

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\
 Data File : VN057807.D
 Acq On : 9 Sep 2019 17:38
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091019

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 5:17:05 AM

Quant Time: Sep 10 07:18:56 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	407033	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	658870	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	637426	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	402211	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	403516	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
35) Dibromofluoromethane	7.57	113	297092	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
50) Toluene-d8	10.09	98	1213601	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	
62) 4-Bromofluorobenzene	12.40	95	439545	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	264985	47.074	ug/l	98
3) Chloromethane	2.04	50	248068	43.238	ug/l	98
4) Vinyl Chloride	2.16	62	274157	45.150	ug/l	98
5) Bromomethane	2.53	94	166361	49.852	ug/l	96
6) Chloroethane	2.67	64	169807	43.886	ug/l	99
7) Trichlorofluoromethane	2.99	101	348750	45.639	ug/l	98
8) Diethyl Ether	3.39	74	147186	46.182	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	226185	46.922	ug/l	99
10) Methyl Iodide	3.93	142	262589	48.952	ug/l	100
11) Tert butyl alcohol	4.77	59	244542	245.080	ug/l	100
12) 1,1-Dichloroethene	3.71	96	194479	44.871	ug/l	96
13) Acrolein	3.58	56	202583	239.310	ug/l	99
14) Allyl chloride	4.30	41	387521	45.687	ug/l	100
15) Acrylonitrile	4.96	53	650733	237.272	ug/l	99
16) Acetone	3.80	43	592963	219.406	ug/l	97
17) Carbon Disulfide	4.03	76	318254	47.188	ug/l	99
18) Methyl Acetate	4.30	43	350715	48.671	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	879223	48.745	ug/l	99
20) Methylene Chloride	4.53	84	254037	49.360	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	211057	45.047	ug/l	99
22) Diisopropyl ether	5.93	45	963937	48.461	ug/l	98
23) Vinyl Acetate	5.87	43	3598660	255.281	ug/l	100
24) 1,1-Dichloroethane	5.82	63	511295	47.033	ug/l	100
25) 2-Butanone	6.82	43	921523	235.588	ug/l	100
26) 2,2-Dichloropropane	6.81	77	413330	48.044	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	292067	46.516	ug/l	100
28) Bromochloromethane	7.18	49	265832	48.947	ug/l	97
29) Tetrahydrofuran	7.19	42	582127	241.513	ug/l	99
30) Chloroform	7.36	83	528237	46.473	ug/l	97
31) Cyclohexane	7.64	56	370366	49.994	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	434228	48.168	ug/l	99
36) 1,1-Dichloropropene	7.78	75	346449	45.340	ug/l	99
37) Ethyl Acetate	6.91	43	366000	46.360	ug/l	99
38) Carbon Tetrachloride	7.76	117	339771	48.703	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\
 Data File : VN057807.D
 Acq On : 9 Sep 2019 17:38
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091019

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 5:17:05 AM

Quant Time: Sep 10 07:18:56 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	369819	46.040	ug/l	97
40) Benzene	8.03	78	1080501	46.968	ug/l	98
41) Methacrylonitrile	7.16	41	174231m	48.618	ug/l	
42) 1,2-Dichloroethane	8.11	62	429120	46.641	ug/l	100
43) Isopropyl Acetate	8.15	43	652289	49.132	ug/l #	91
44) Trichloroethene	8.82	130	259129	45.925	ug/l	99
45) 1,2-Dichloropropane	9.11	63	316724	47.314	ug/l	98
46) Dibromomethane	9.20	93	194511	48.086	ug/l	99
47) Bromodichloromethane	9.40	83	406122	50.277	ug/l	100
48) Methyl methacrylate	9.19	41	318486	47.291	ug/l	99
49) 1,4-Dioxane	9.19	88	107730	945.924	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	2008682	255.670	ug/l	99
52) Toluene	10.15	92	690907	47.684	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	441277	51.877	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	482069	51.331	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	298135	48.576	ug/l	99
56) Ethyl methacrylate	10.43	69	465945	50.414	ug/l	100
57) 1,3-Dichloropropane	10.71	76	512584	48.461	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1102396	253.243	ug/l	100
59) 2-Hexanone	10.75	43	1486899	252.497	ug/l	100
60) Dibromochloromethane	10.90	129	302323	53.046	ug/l	99
61) 1,2-Dibromoethane	11.00	107	283828	48.915	ug/l	99
64) Tetrachloroethene	10.63	164	215561	45.801	ug/l	97
65) Chlorobenzene	11.43	112	782051	46.880	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	285155	49.262	ug/l	99
67) Ethyl Benzene	11.51	91	1431361	48.959	ug/l	99
68) m/p-Xylenes	11.62	106	1040060	97.120	ug/l	99
69) o-Xylene	11.95	106	519757	48.820	ug/l	99
70) Styrene	11.97	104	918409	50.125	ug/l	99
71) Bromoform	12.13	173	191748	53.132	ug/l #	98
73) Isopropylbenzene	12.25	105	1451144	46.496	ug/l	99
74) N-amyl acetate	12.07	43	637386	46.926	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	461375	43.905	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	373013m	40.996	ug/l	
77) Bromobenzene	12.53	156	335853	43.161	ug/l	100
78) n-propylbenzene	12.59	91	1698727	47.399	ug/l	100
79) 2-Chlorotoluene	12.68	91	1007806	44.492	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1252580	47.499	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	124463	48.137	ug/l	99
82) 4-Chlorotoluene	12.78	91	1065674	45.813	ug/l	100
83) tert-Butylbenzene	13.00	119	1099677	46.912	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1270154	47.390	ug/l	100
85) sec-Butylbenzene	13.17	105	1503113	48.379	ug/l	99
86) p-Isopropyltoluene	13.29	119	1345868	49.163	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	650325	45.532	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	656789	45.303	ug/l	99
89) n-Butylbenzene	13.62	91	1261468	48.795	ug/l	99
90) Hexachloroethane	13.88	117	205066	50.369	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	652727	45.744	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	85277	49.139	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\
Data File : VN057807.D
Acq On : 9 Sep 2019 17:38
Operator : JC/SP
Sample : VSTDICV050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091019

Manual Integrations
APPROVED

MMDadoda
9/13/2019 5:17:05 AM

Quant Time: Sep 10 07:18:56 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	405344	43.461	ug/l	99
94) Hexachlorobutadiene	15.01	225	176379	44.613	ug/l	98
95) Naphthalene	15.13	128	1162705	49.361	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	378133	46.513	ug/l	99

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

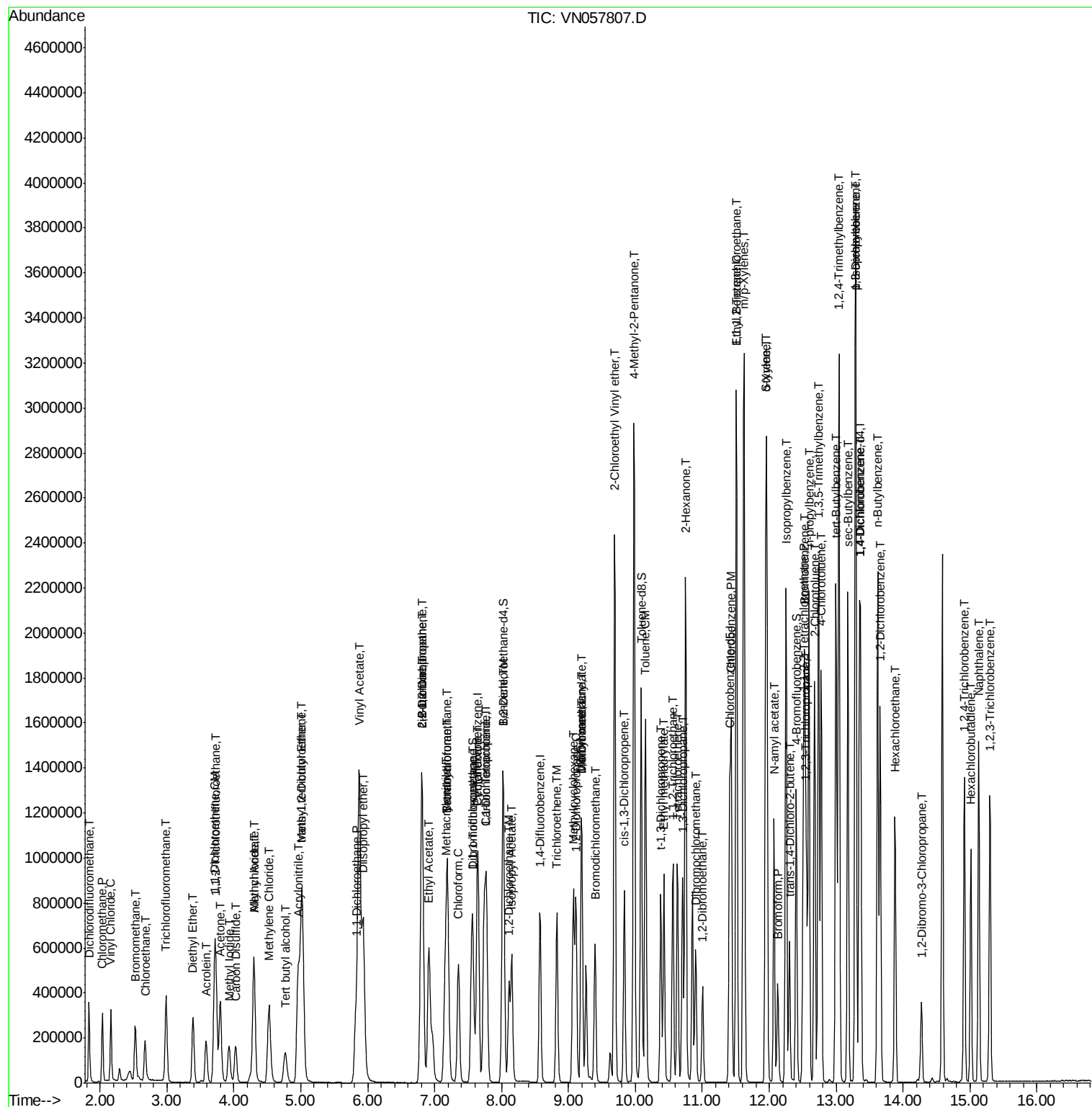
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091019\
Data File : VN057807.D
Acq On : 9 Sep 2019 17:38
Operator : JC/SP
Sample : VSTDICV050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

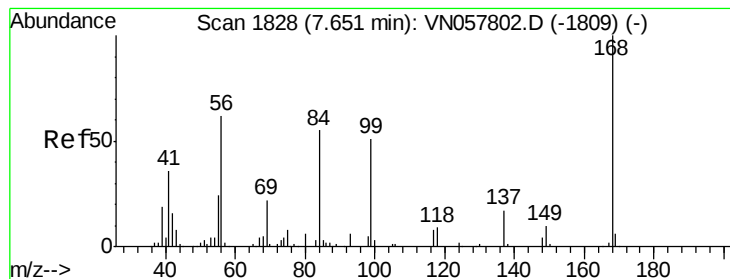
Instrument :
MSVOA_N
Client Sample Id :
ICVVN091019

Manual Integrations
APPROVED

MMDadoda
9/13/2019 5:17:05 AM

Quant Time: Sep 10 07:18:56 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057807.D

Acq: 9 Sep 2019 17:38

Instrument :

MSVOA_N

ClientSampleId :

ICVVN091019

Tot Ion:168 Resp: 407033

Ion Ratio Lower Upper

168 100

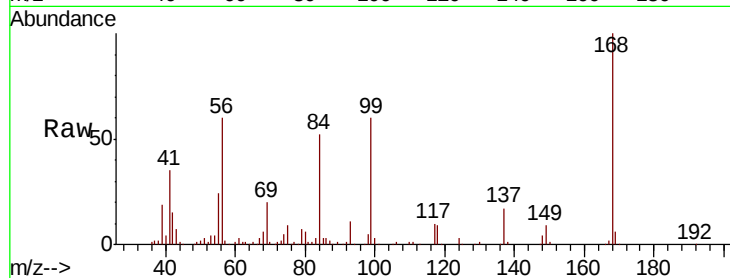
99 59.8 48.0 72.0

Manual Integrations

APPROVED

MMDadoda

9/13/2019 5:17:05 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

200000

150000

100000

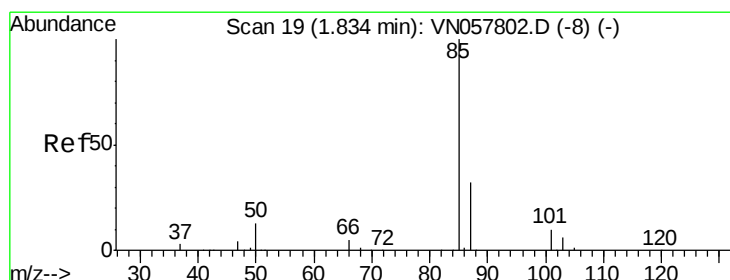
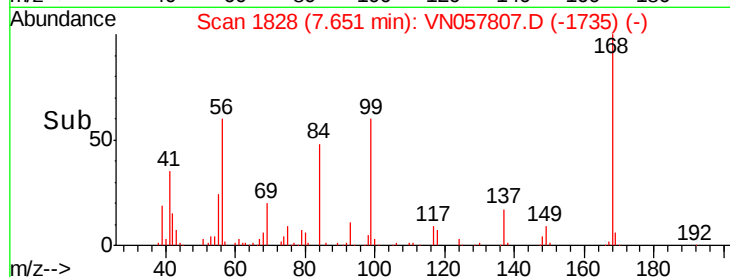
50000

0

7.65

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 47.074 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057807.D

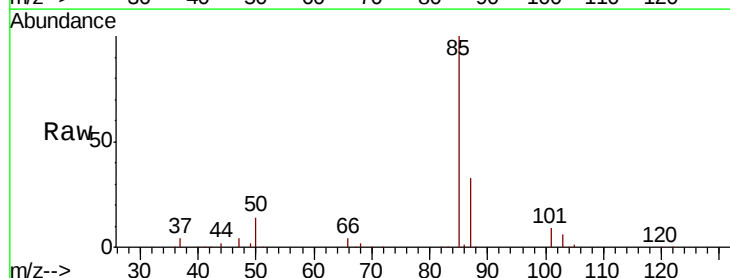
Acq: 9 Sep 2019 17:38

Tgt Ion: 85 Resp: 264985

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

200000

150000

100000

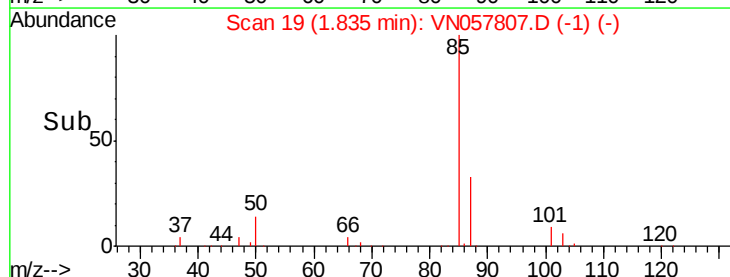
50000

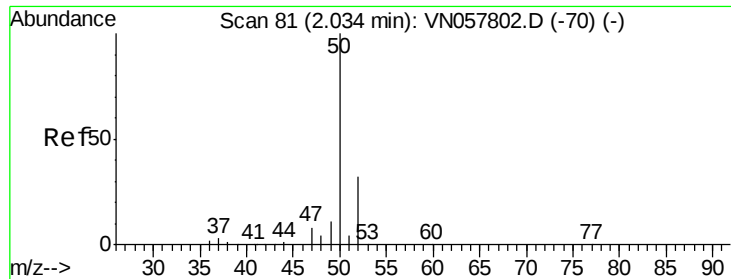
0

1.83

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 43.238 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN057807.D

Acq: 9 Sep 2019 17:38

Instrument :

MSVOA_N

ClientSampleId :

ICVVN091019

Tot Ion: 50 Resp: 248068

Ion Ratio Lower Upper

50 100

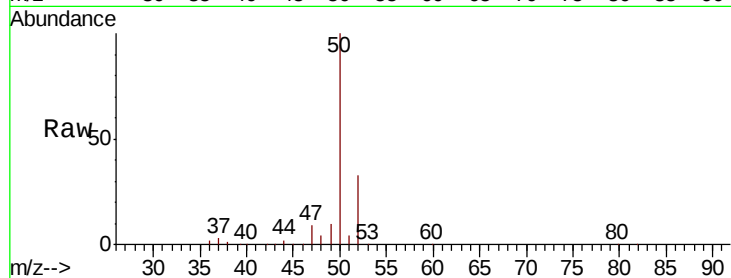
52 33.2 25.5 38.3

Manual Integrations

APPROVED

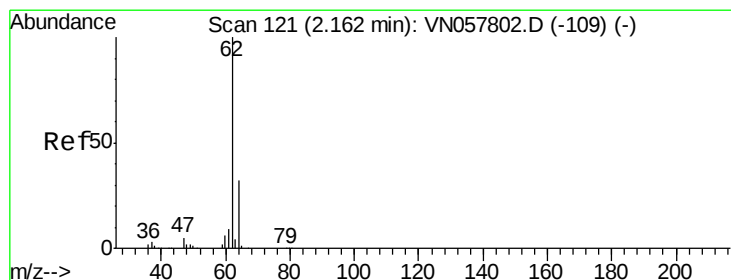
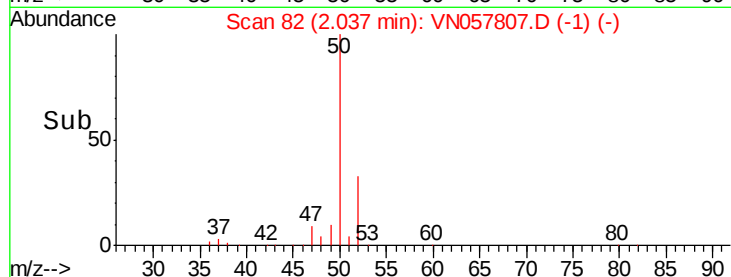
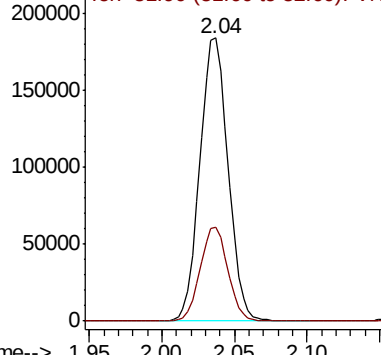
MMDadoda

9/13/2019 5:17:05 AM



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 45.150 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN057807.D

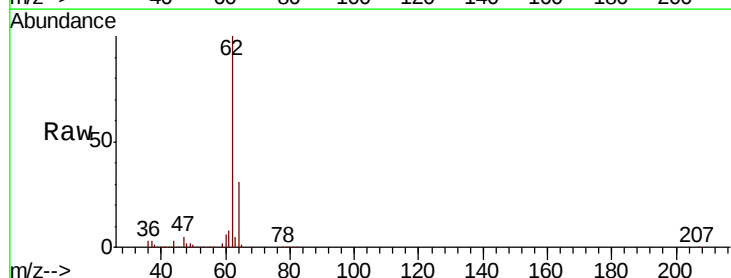
Acq: 9 Sep 2019 17:38

Tgt Ion: 62 Resp: 274157

Ion Ratio Lower Upper

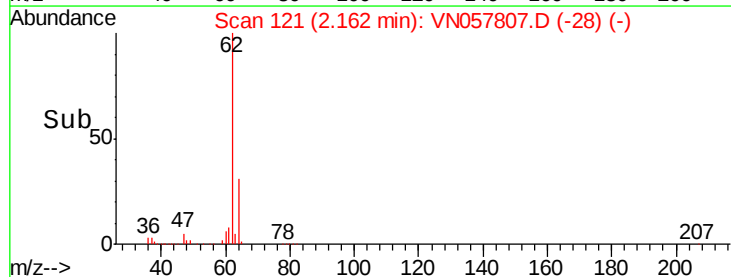
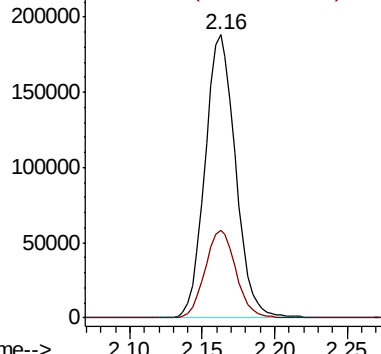
62 100

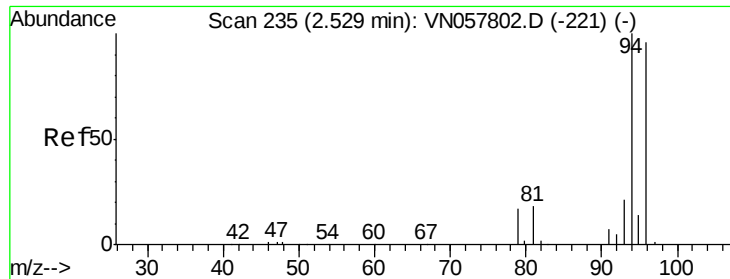
64 31.1 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





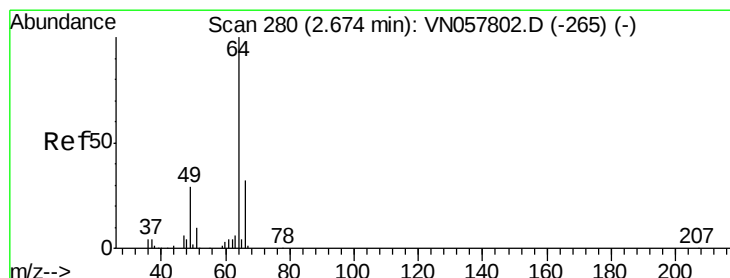
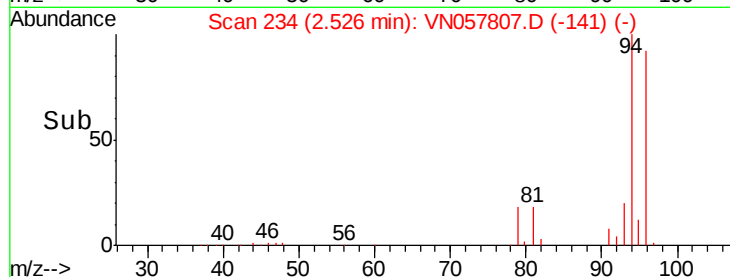
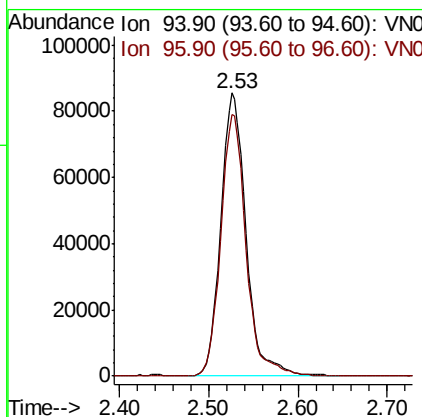
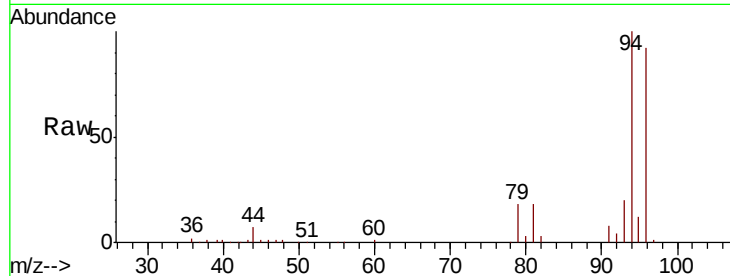
#5
Bromomethane
Concen: 49.852 ug/l
RT: 2.53 min Scan# 234
Delta R.T. -0.00 min
Lab File: VN057807.D
Acq: 9 Sep 2019 17:38

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091019

Tot Ion: 94 Resp: 166361
Ion Ratio Lower Upper
94 100
96 92.5 77.0 115.4

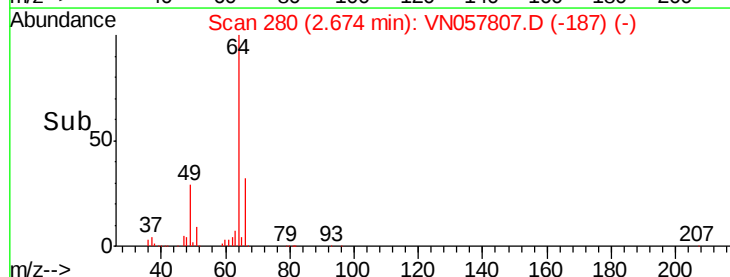
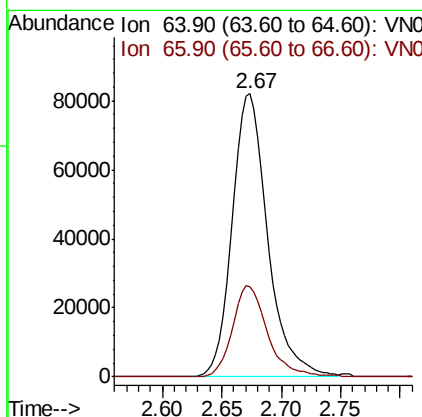
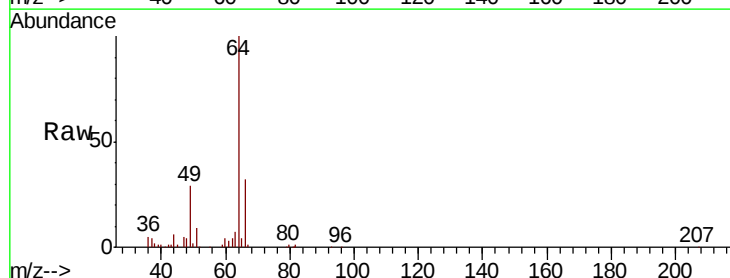
Manual Integrations
APPROVED

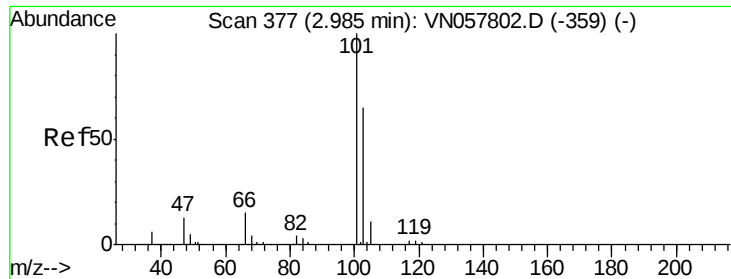
MMDadoda
9/13/2019 5:17:05 AM



#6
Chloroethane
Concen: 43.886 ug/l
RT: 2.67 min Scan# 280
Delta R.T. 0.00 min
Lab File: VN057807.D
Acq: 9 Sep 2019 17:38

Tgt Ion: 64 Resp: 169807
Ion Ratio Lower Upper
64 100
66 31.6 25.5 38.3





#7

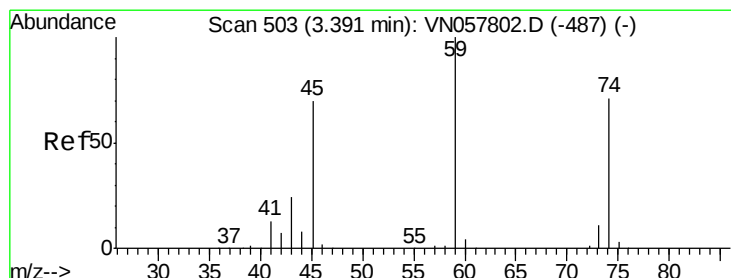
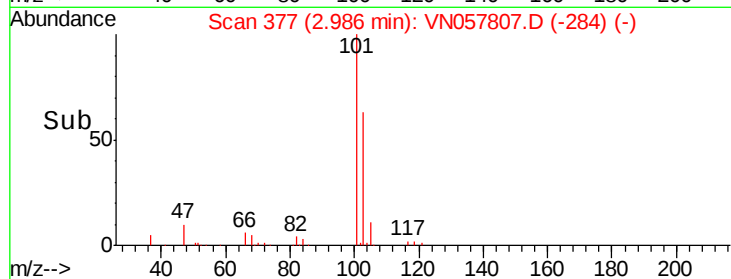
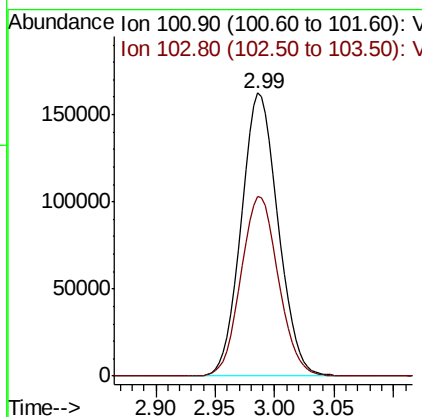
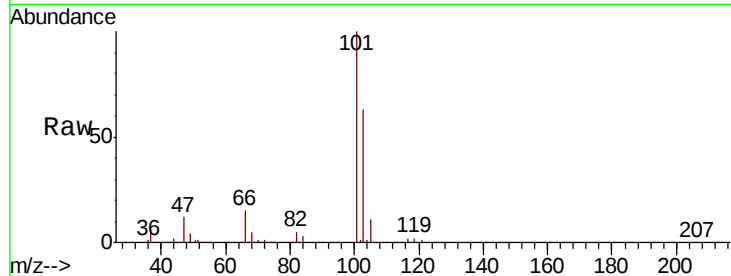
Trichlorofluoromethane
 Concen: 45.639 ug/l
 RT: 2.99 min Scan# 377
 Delta R.T. 0.00 min
 Lab File: VN057807.D
 Acq: 9 Sep 2019 17:38

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091019

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	51.9	77.9

Manual Integrations
 APPROVED

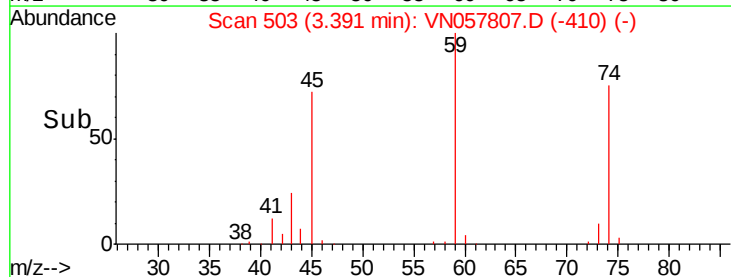
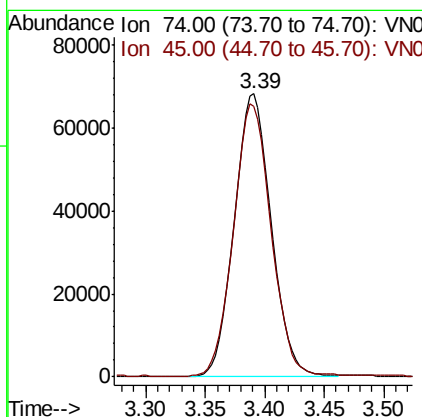
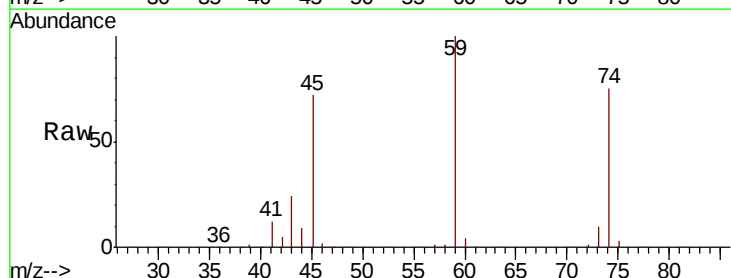
MMDadoda
 9/13/2019 5:17:05 AM

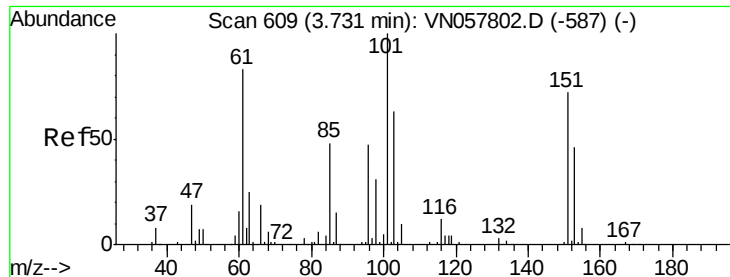


#8

Diethyl Ether
 Concen: 46.182 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN057807.D
 Acq: 9 Sep 2019 17:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.3	50.3	151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.922 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN057807.D

Acq: 9 Sep 2019 17:38

Instrument :

MSVOA_N

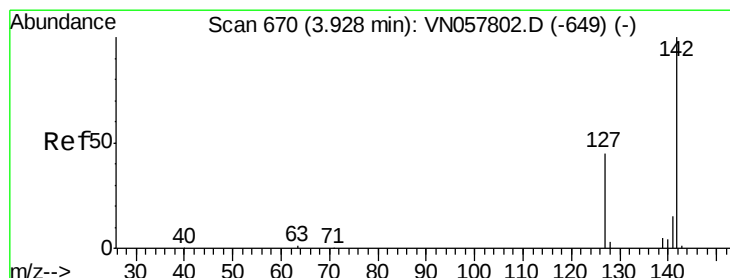
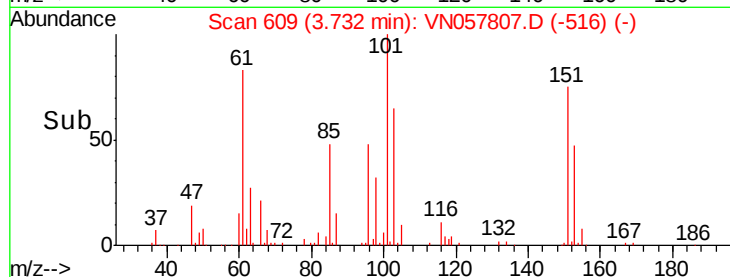
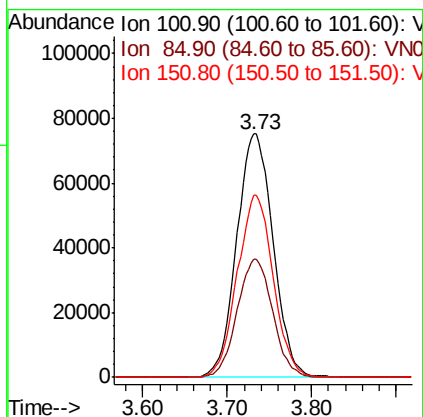
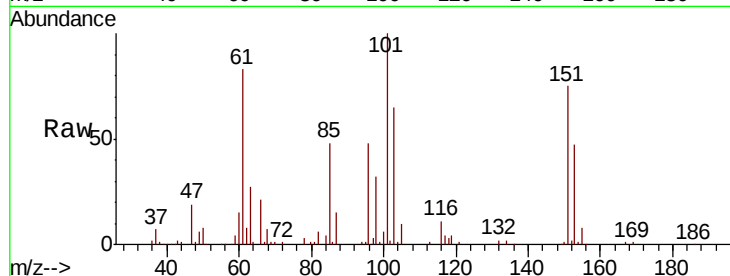
ClientSampleId :

ICVVN091019

Tot Ion:	101	Resp:	226185
Ion Ratio	Lower	Upper	
101	100		
85	47.2	38.1	57.1
151	73.8	58.4	87.6

Manual Integrations
APPROVED

MMDadoda
9/13/2019 5:17:05 AM



#10

Methyl Iodide

Concen: 48.952 ug/l

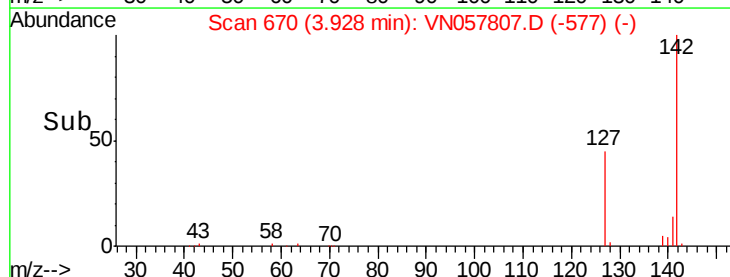
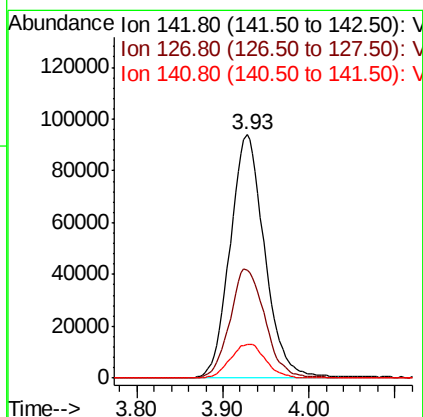
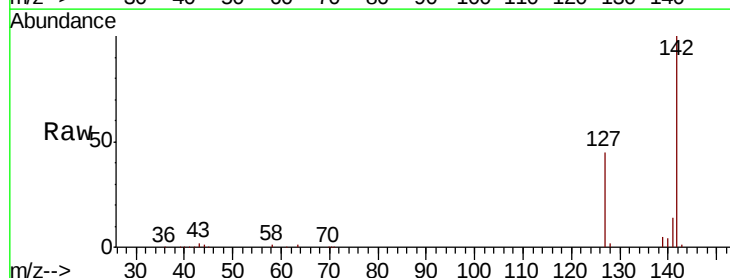
RT: 3.93 min Scan# 670

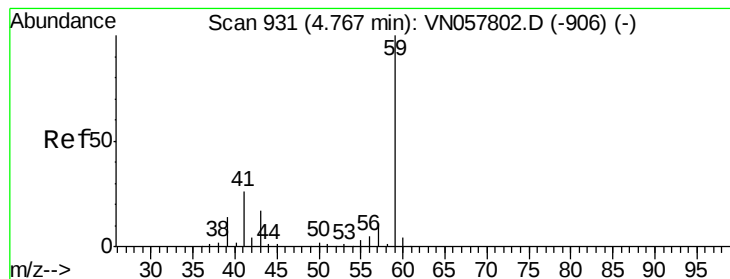
Delta R.T. 0.00 min

Lab File: VN057807.D

Acq: 9 Sep 2019 17:38

Tgt Ion:	142	Resp:	262589
Ion Ratio	Lower	Upper	
142	100		
127	45.6	36.7	55.1
141	14.2	11.4	17.0





#11

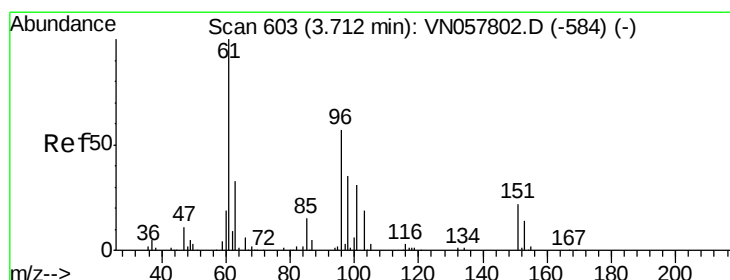
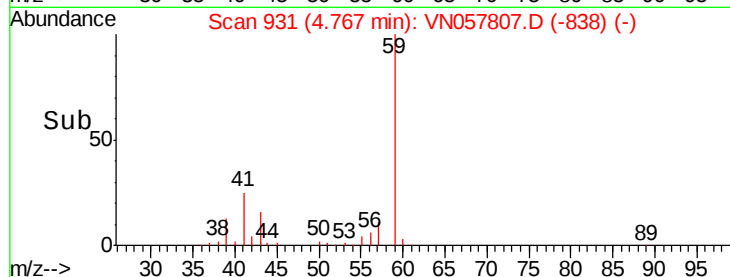
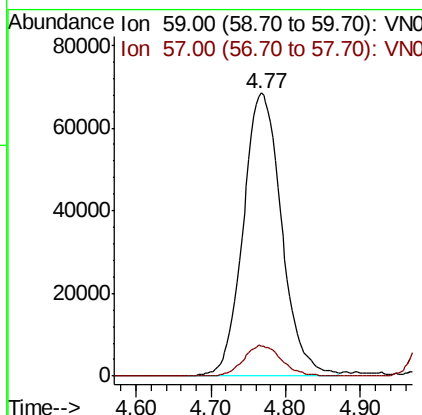
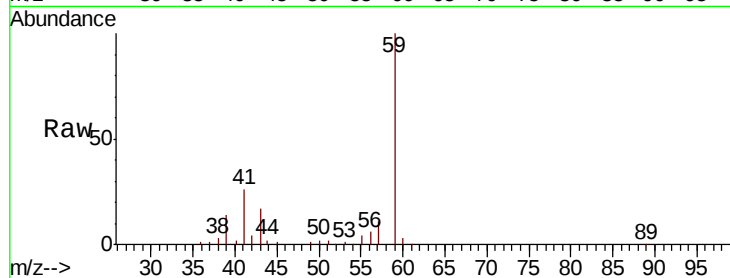
Tert butyl alcohol
Concen: 245.080 ug/l
RT: 4.77 min Scan# 931
Delta R.T. 0.00 min
Lab File: VN057807.D
Acq: 9 Sep 2019 17:38

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091019

Tot Ion	Ratio	Resp	Lower	Upper
59	100	244542		
57	10.7		8.4	12.6

Manual Integrations
APPROVED

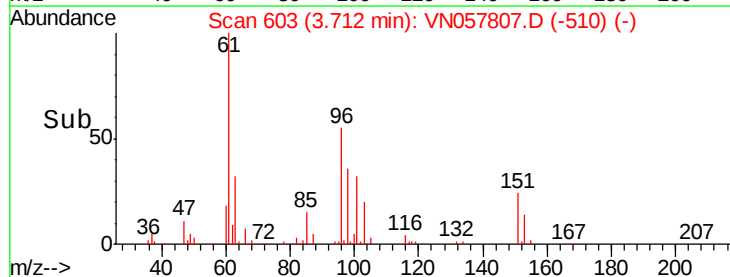
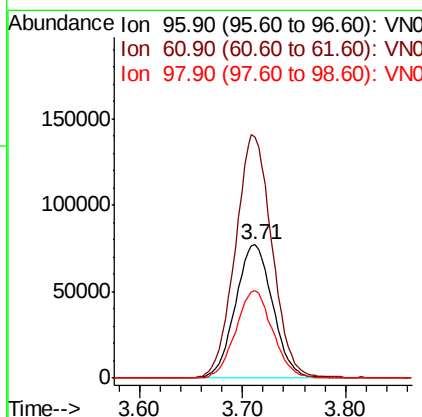
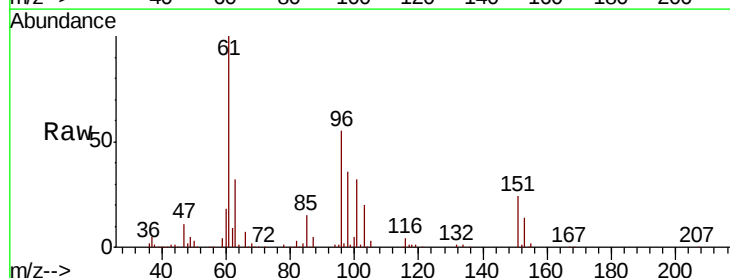
MMDadoda
9/13/2019 5:17:05 AM

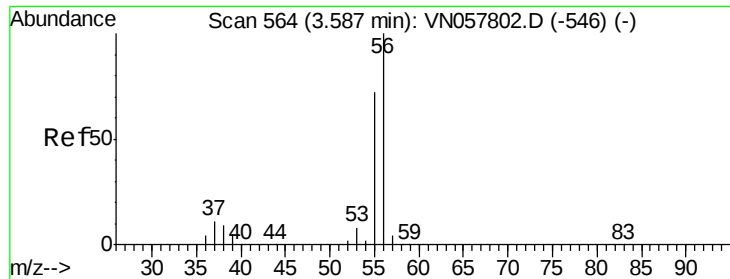


#12

1,1-Dichloroethene
Concen: 44.871 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN057807.D
Acq: 9 Sep 2019 17:38

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	194479		
61	181.4		141.2	211.8
98	65.6		49.9	74.9





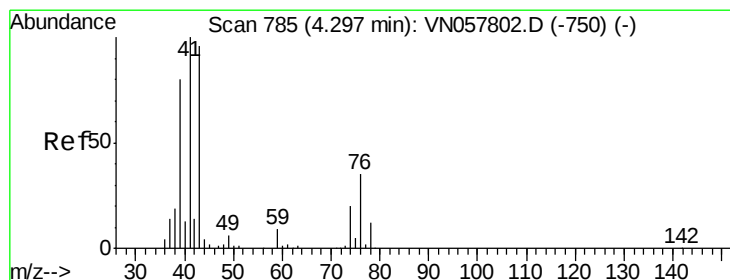
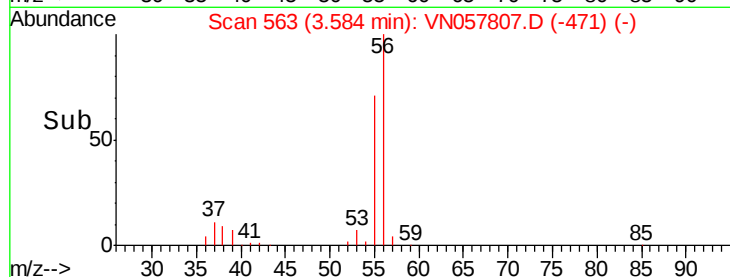
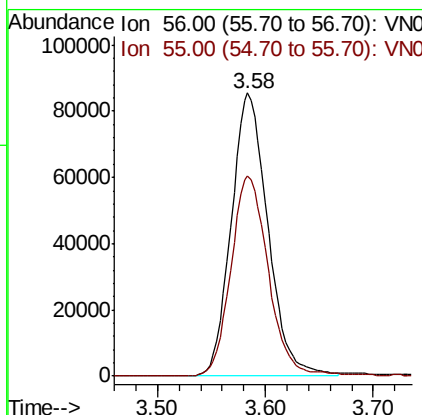
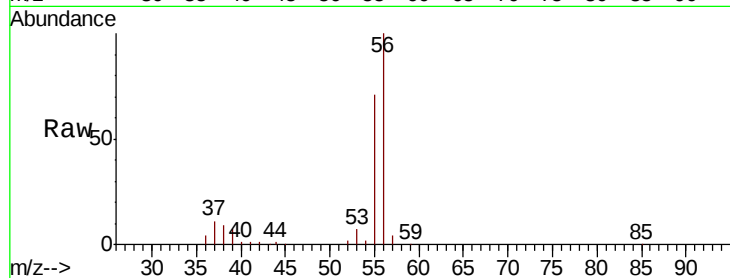
#13
Acrolein
Concen: 239.310 ug/l
RT: 3.58 min Scan# 563
Delta R.T. -0.00 min
Lab File: VN057807.D
Acq: 9 Sep 2019 17:38

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091019

Tot Ion	56	55	Ratio	Lower	Upper
202583	100	71.0		57.3	85.9

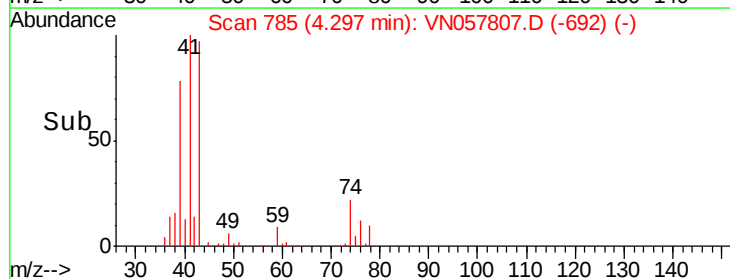
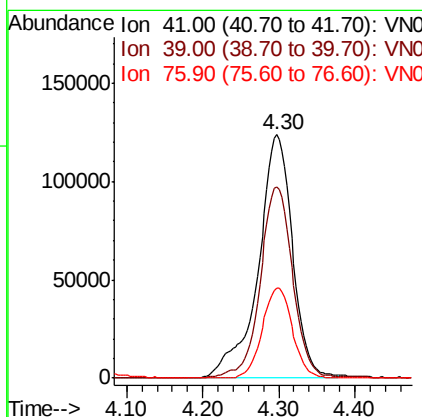
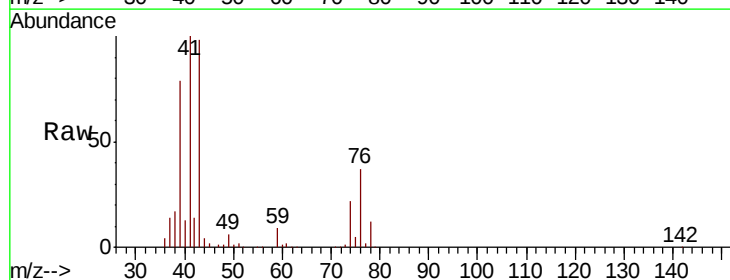
Manual Integrations
APPROVED

MMDadoda
9/13/2019 5:17:05 AM



#14
Allyl chloride
Concen: 45.687 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN057807.D
Acq: 9 Sep 2019 17:38

Tgt Ion	41	39	76	Ratio	Lower	Upper
387521	100	73.9	32.6		59.4	89.2





#15

Acrylonitrile

Concen: 237.272 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN057807.D

Acq: 9 Sep 2019 17:38

Instrument :

MSVOA_N

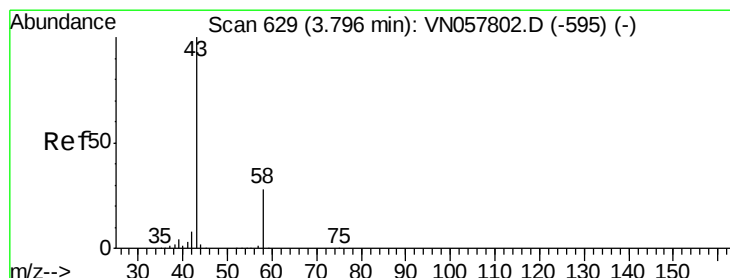
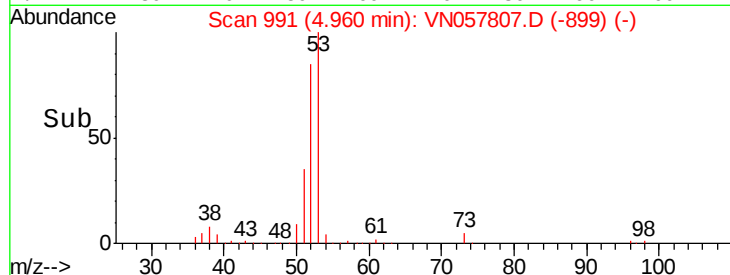
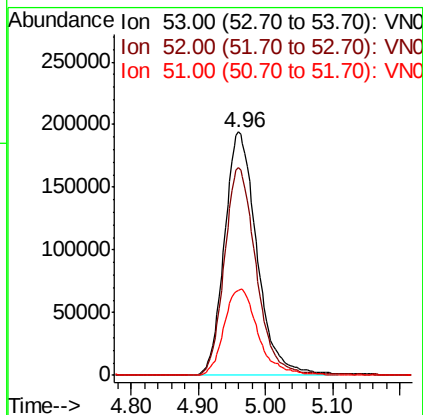
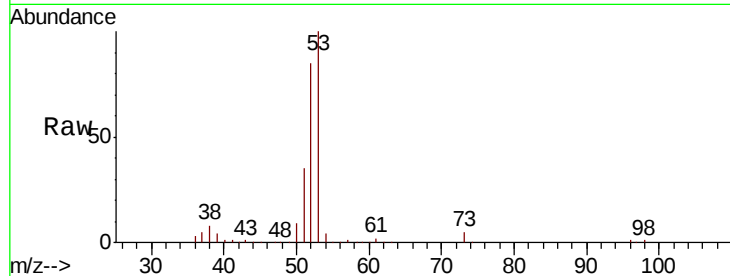
ClientSampleId :

ICVVN091019

Tot Ion:	53	Resp:	650733
Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.6	100.0
51	37.2	29.8	44.8

Manual Integrations
APPROVED

MMDadoda
9/13/2019 5:17:05 AM



#16

Acetone

Concen: 219.406 ug/l

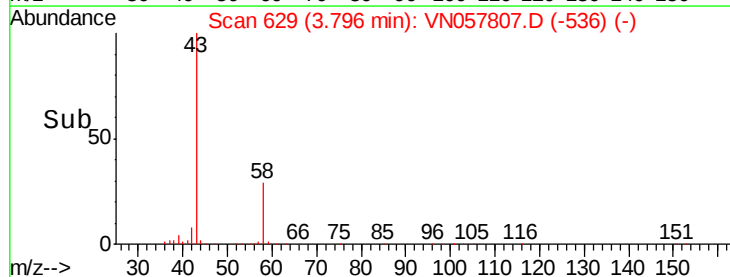
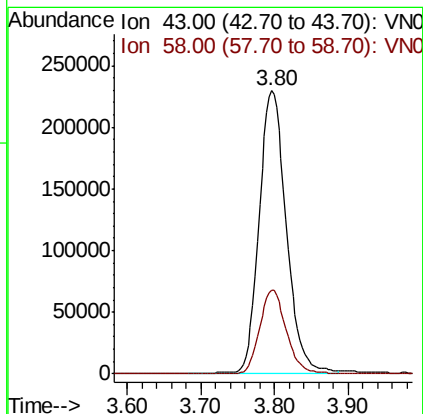
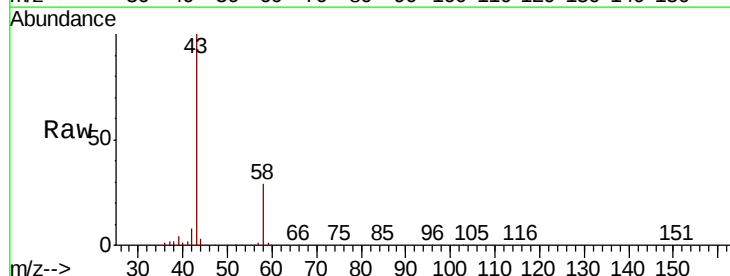
RT: 3.80 min Scan# 629

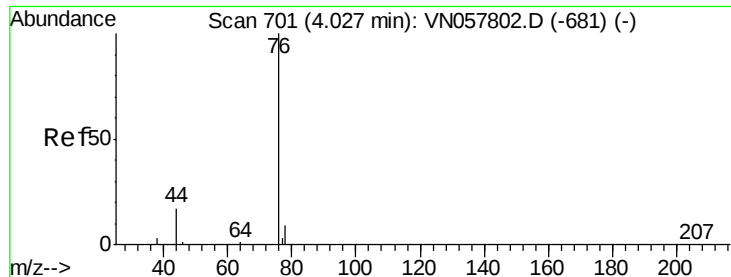
Delta R.T. 0.00 min

Lab File: VN057807.D

Acq: 9 Sep 2019 17:38

Tgt Ion:	43	Resp:	592963
Ion	Ratio	Lower	Upper
43	100		
58	29.3	22.2	33.2





#17

Carbon Disulfide

Concen: 47.188 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN057807.D

Acq: 9 Sep 2019 17:38

Tot Ion: 76 Resp: 318254

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7

Instrument :

MSVOA_N

ClientSampleId :

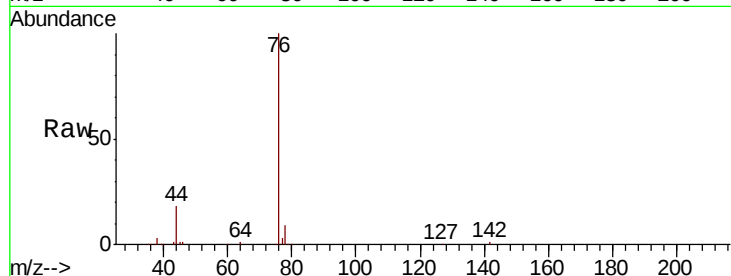
ICVVN091019

Manual Integrations

APPROVED

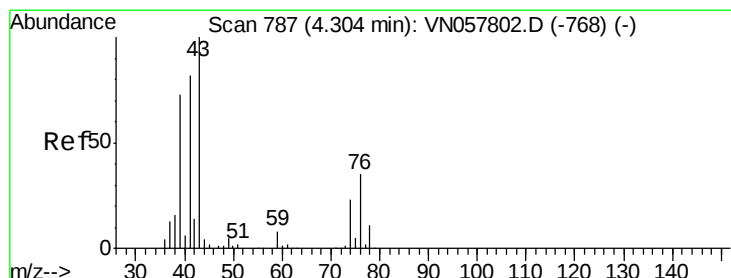
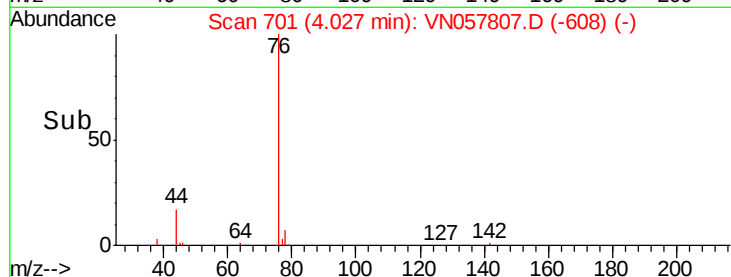
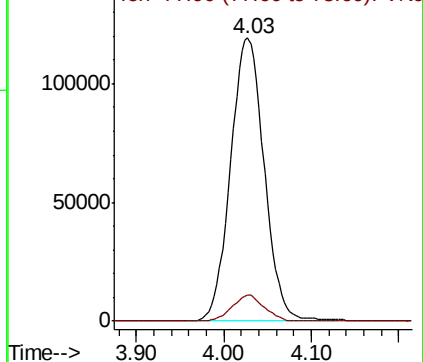
MMDadoda

9/13/2019 5:17:05 AM



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 48.671 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN057807.D

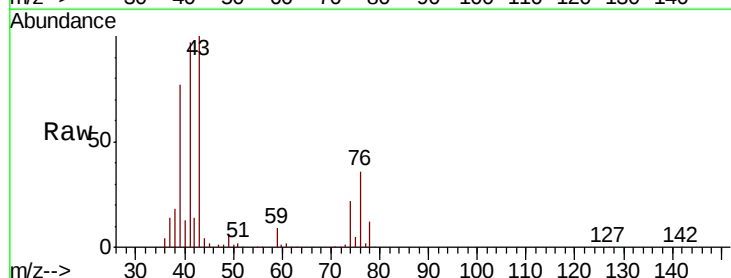
Acq: 9 Sep 2019 17:38

Tgt Ion: 43 Resp: 350715

Ion Ratio Lower Upper

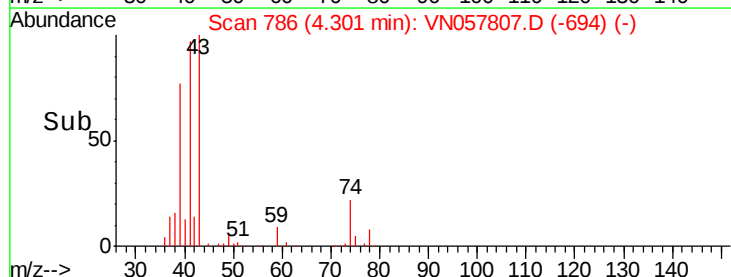
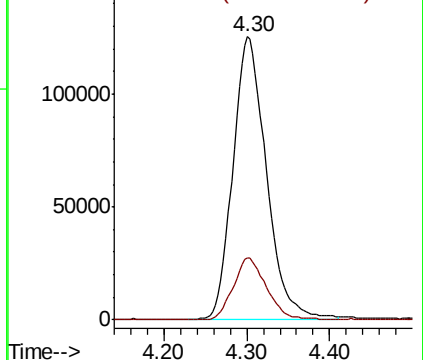
43 100

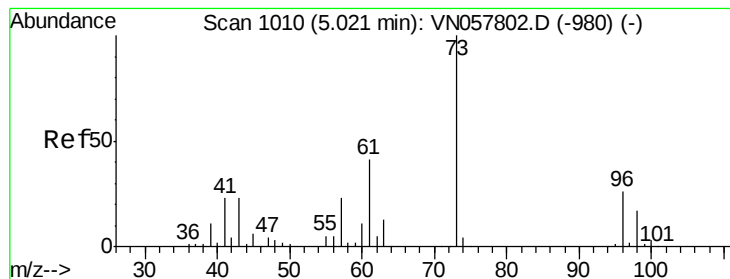
74 21.7 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC





#19

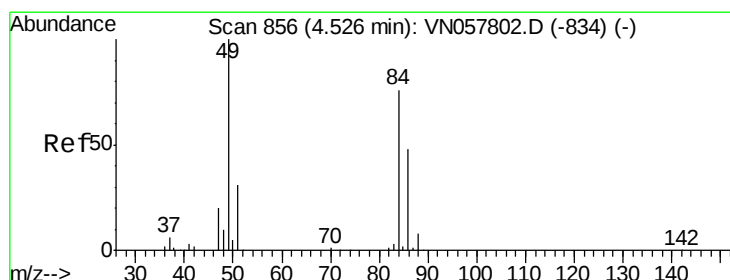
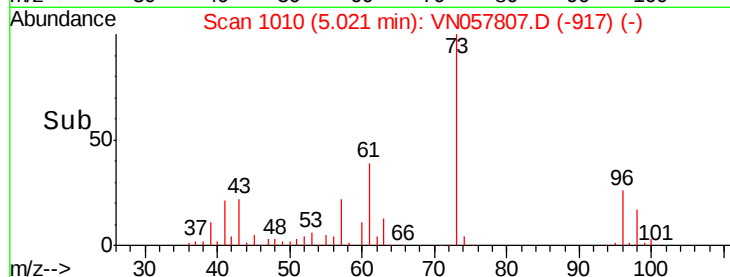
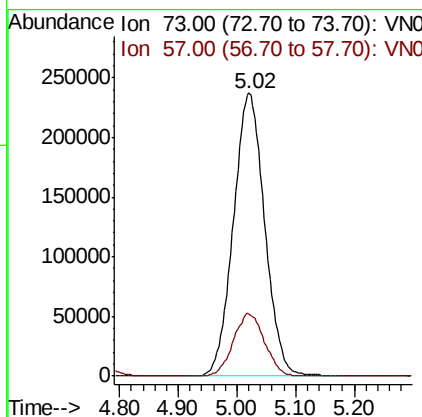
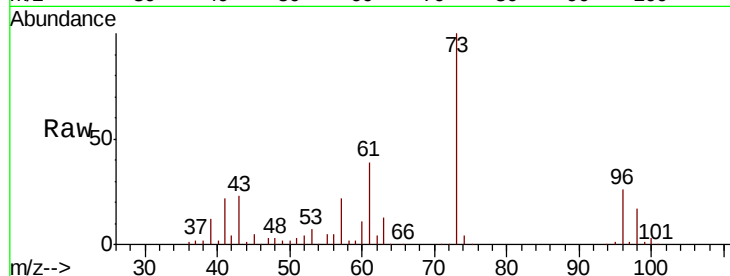
Methvl tert-butvl Ether
 Concen: 48.745 ug/l
 RT: 5.02 min Scan# 1010
 Delta R.T. 0.00 min
 Lab File: VN057807.D
 Acq: 9 Sep 2019 17:38

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN091019

Tot Ion	73	Resp	879223
Ion Ratio	100	Lower	Upper
57	22.0	18.2	27.2

Manual Integrations
 APPROVED

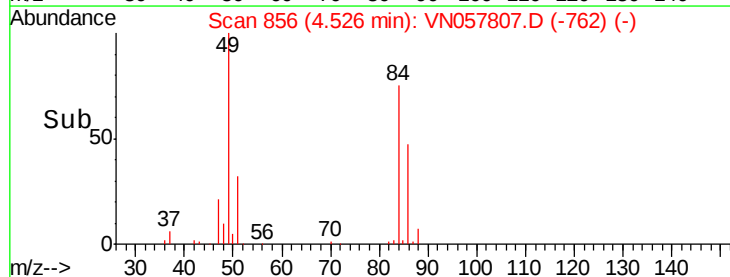
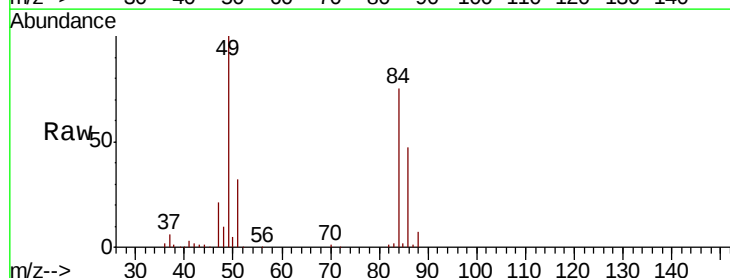
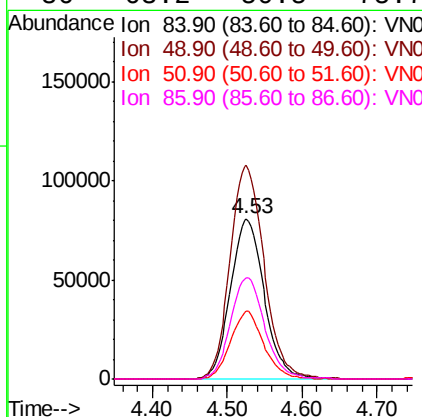
MMDadoda
 9/13/2019 5:17:05 AM

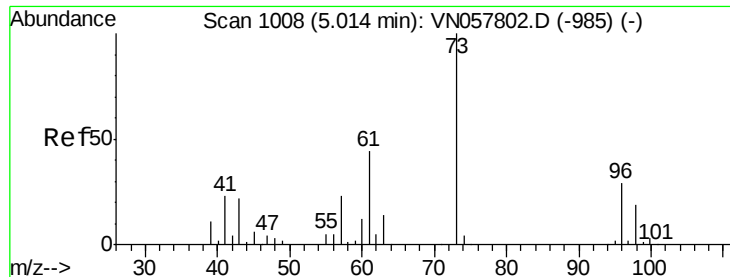


#20

Methylene Chloride
 Concen: 49.360 ug/l
 RT: 4.53 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VN057807.D
 Acq: 9 Sep 2019 17:38

Tgt Ion	84	Resp	254037
Ion Ratio	100	Lower	Upper
49	133.2	104.8	157.2
51	42.5	33.0	49.4
86	63.2	50.5	75.7





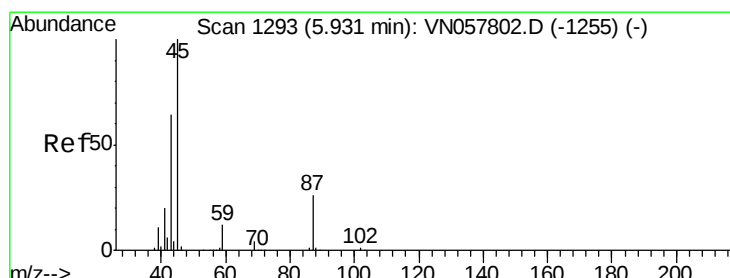
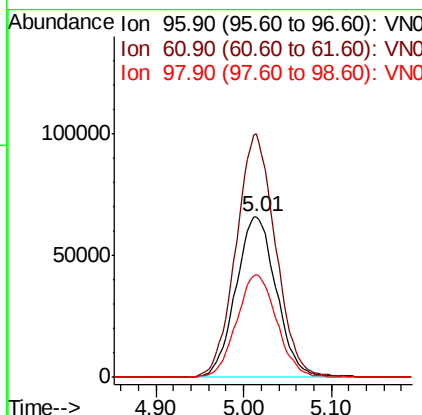
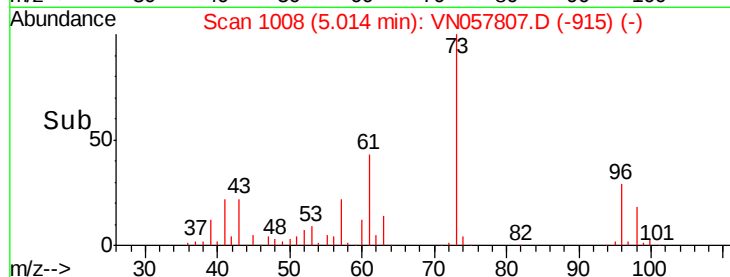
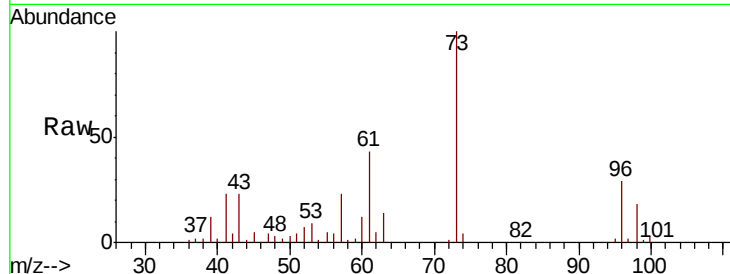
#21
trans-1,2-Dichloroethene
Concen: 45.047 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN057807.D
Acq: 9 Sep 2019 17:38

Instrument :
MSVOA_N
ClientSampled :
ICVVN091019

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.3	121.9	182.9
98	64.3	52.2	78.4

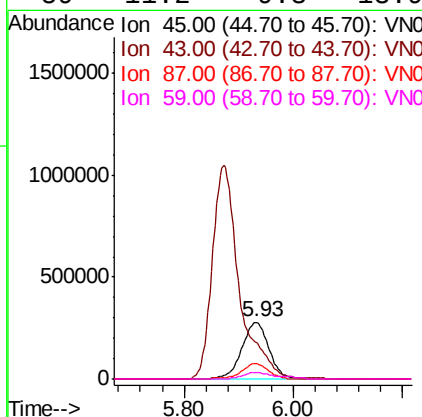
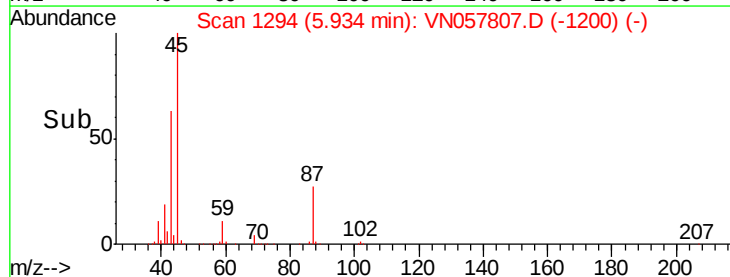
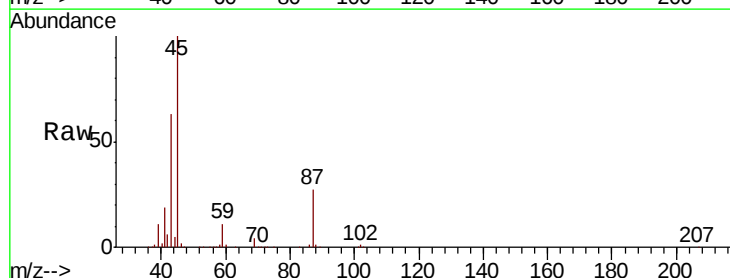
Manual Integrations
APPROVED

MMDadoda
9/13/2019 5:17:05 AM



#22
Diisopropyl ether
Concen: 48.461 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VN057807.D
Acq: 9 Sep 2019 17:38

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.0	51.4	77.2
87	26.7	21.3	31.9
59	11.2	9.3	13.9





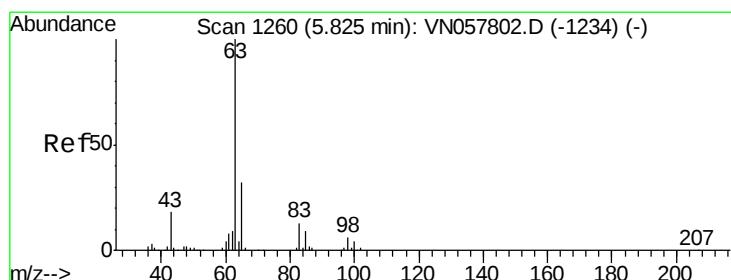
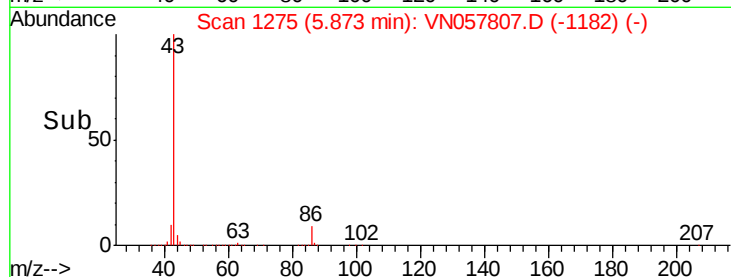
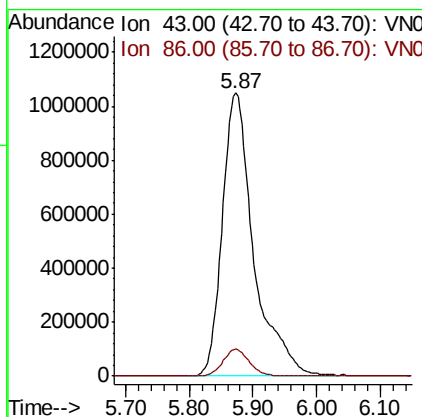
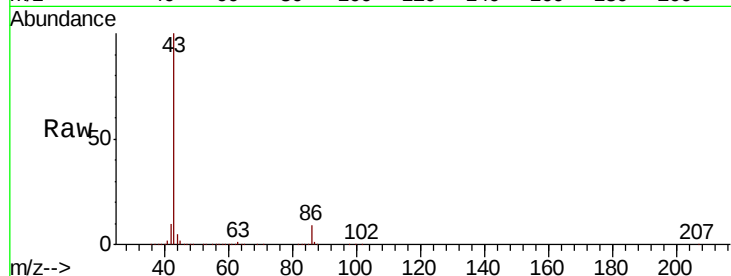
#23
 Vinyl Acetate
 Concen: 255.281 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN057807.D
 Acq: 9 Sep 2019 17:38

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091019

Tot Ion: 43 Resp: 3598660
 Ion Ratio Lower Upper
 43 100
 86 9.5 7.7 11.5

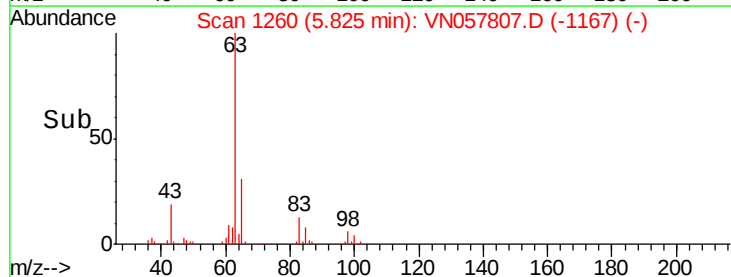
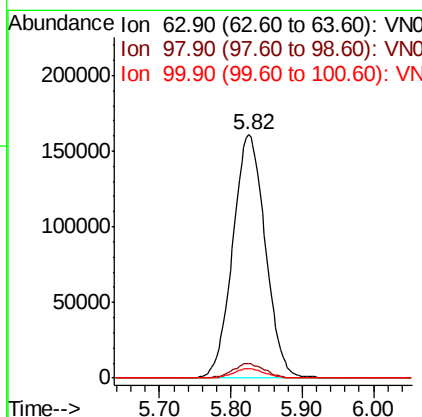
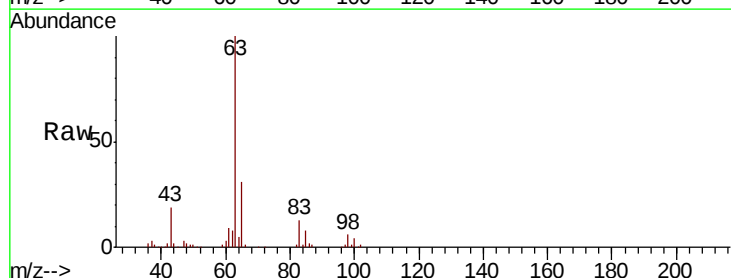
Manual Integrations
 APPROVED

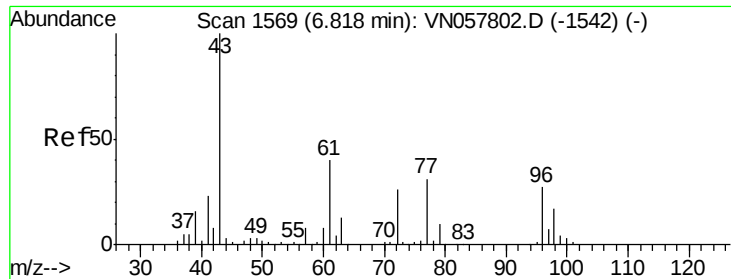
MMDadoda
 9/13/2019 5:17:05 AM



#24
 1,1-Dichloroethane
 Concen: 47.033 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VN057807.D
 Acq: 9 Sep 2019 17:38

Tgt Ion: 63 Resp: 511295
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.0 9.2
 100 3.9 2.0 5.8





#25

2-Butanone

Concen: 235.588 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057807.D

Acq: 9 Sep 2019 17:38

Tot Ion: 43 Resp: 921523

Ion Ratio Lower Upper

43 100

72 25.5 20.6 30.8

Instrument :

MSVOA_N

ClientSampleId :

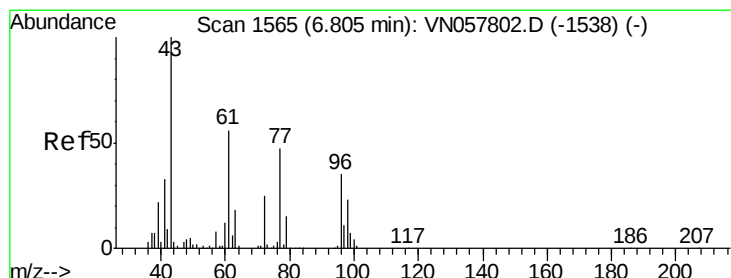
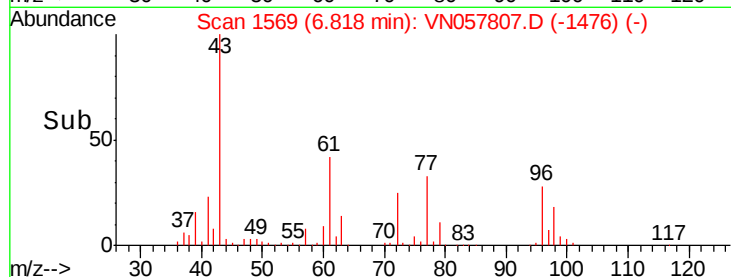
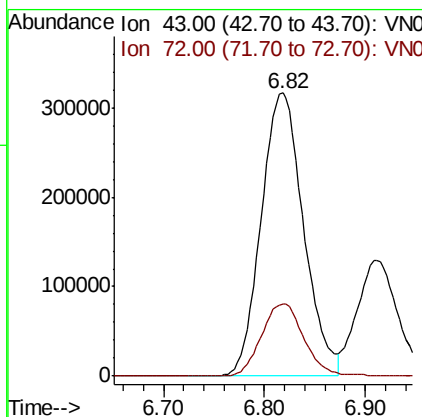
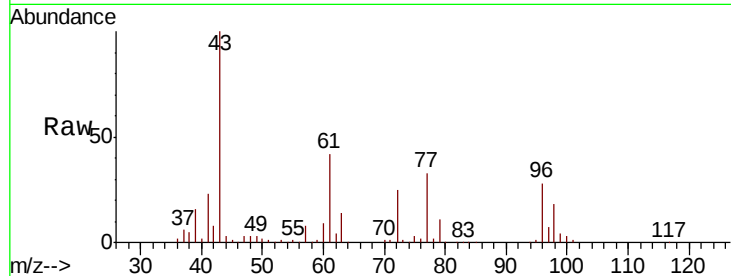
ICVVN091019

Manual Integrations

APPROVED

MMDadoda

9/13/2019 5:17:05 AM



#26

2,2-Dichloropropane

Concen: 48.044 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN057807.D

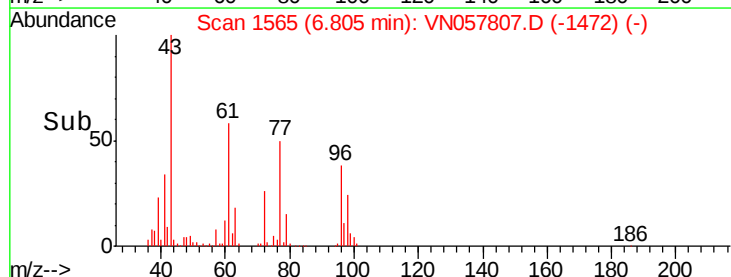
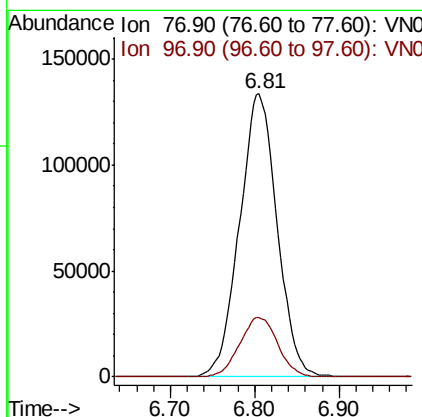
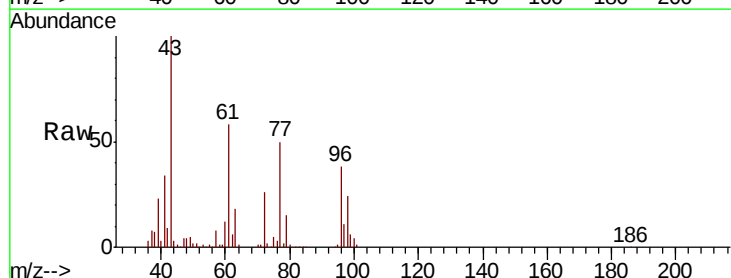
Acq: 9 Sep 2019 17:38

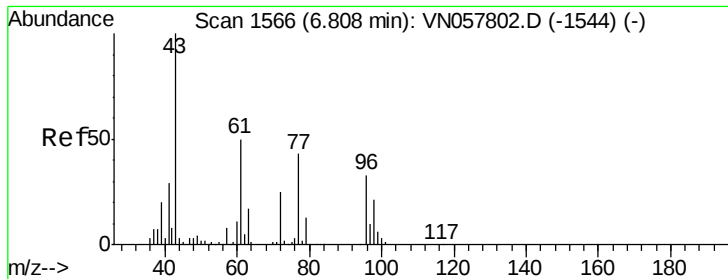
Tgt Ion: 77 Resp: 413330

Ion Ratio Lower Upper

77 100

97 21.4 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 46.516 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057807.D

Acq: 9 Sep 2019 17:38

Instrument :

MSVOA_N

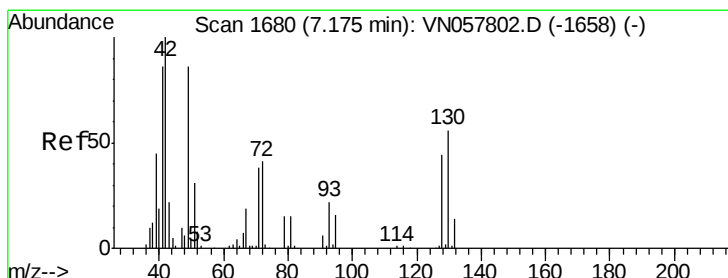
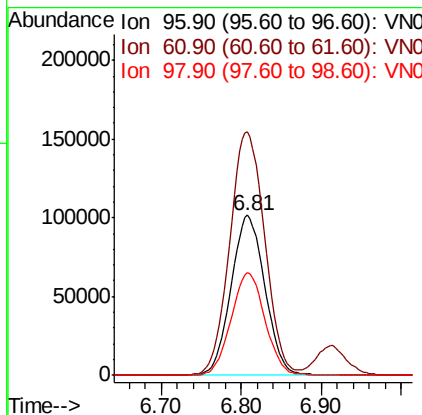
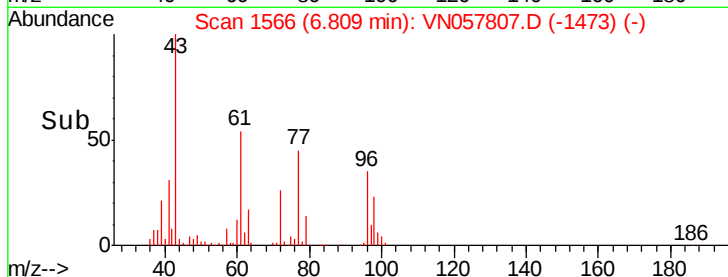
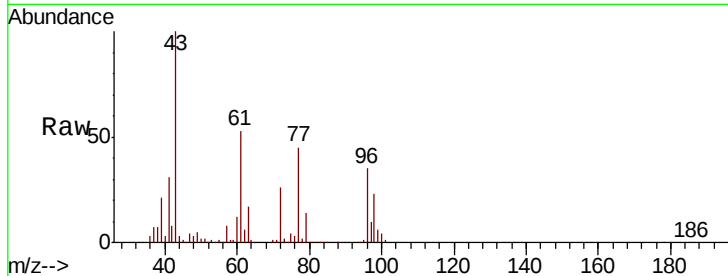
ClientSampleId :

ICVVN091019

Tot Ion:	96	Resp:	292067
Ion	Ratio	Lower	Upper
96	100		
61	157.1	0.0	314.0
98	63.8	0.0	128.6

Manual Integrations
APPROVED

MMDadoda
9/13/2019 5:17:05 AM



#28

Bromochloromethane

Concen: 48.947 ug/l

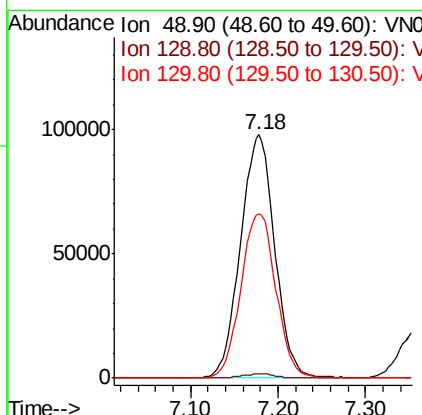
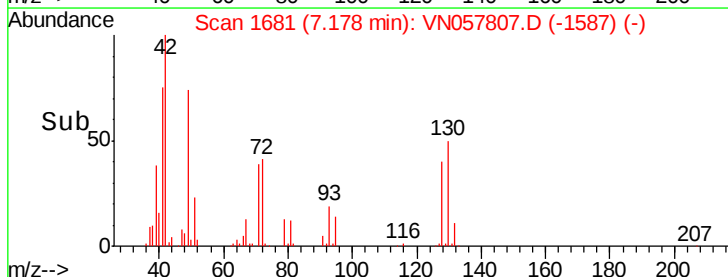
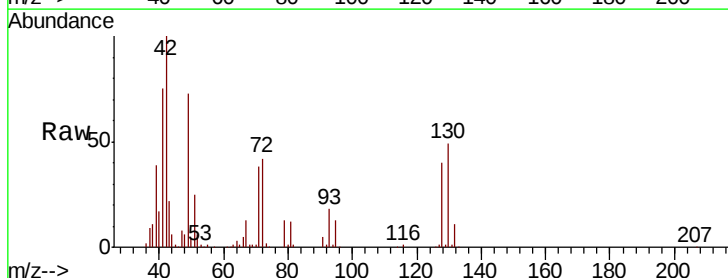
RT: 7.18 min Scan# 1681

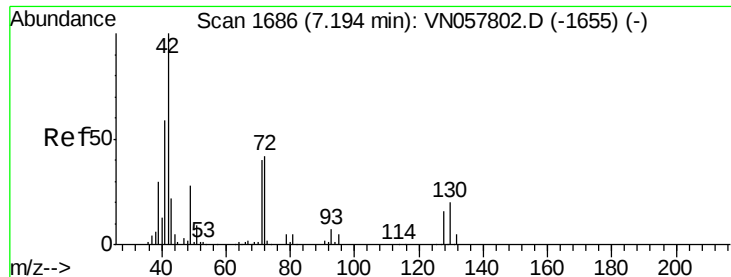
Delta R.T. 0.00 min

Lab File: VN057807.D

Acq: 9 Sep 2019 17:38

Tgt Ion:	49	Resp:	265832
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.8
130	68.9	53.0	79.6





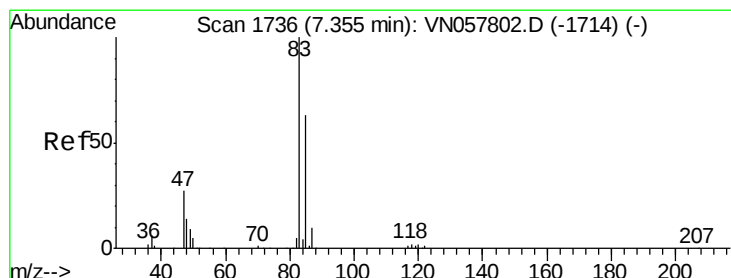
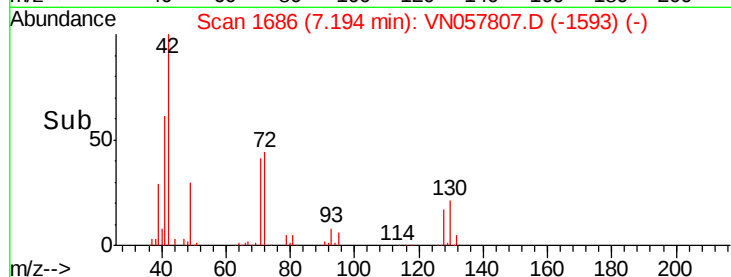
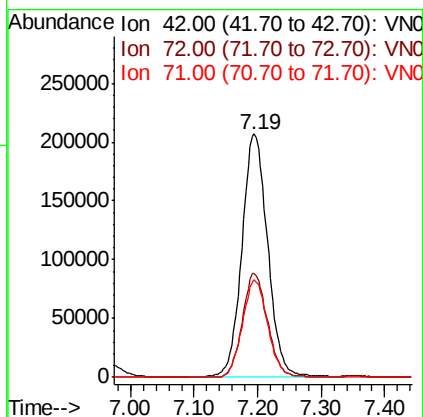
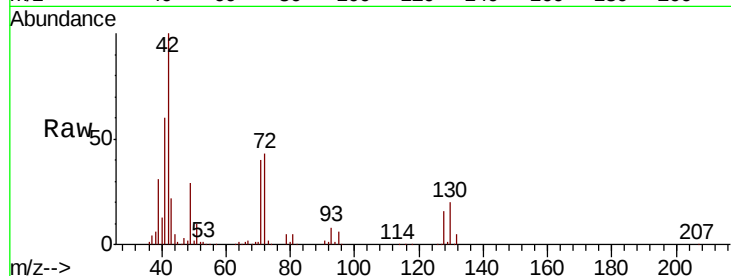
#29
Tetrahydrofuran
Concen: 241.513 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN057807.D
Acq: 9 Sep 2019 17:38

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091019

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	33.7	50.5
71	39.5	31.9	47.9

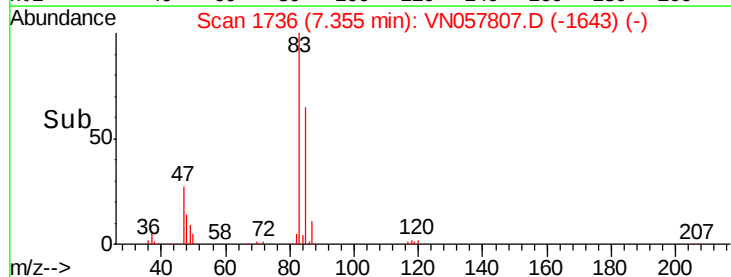
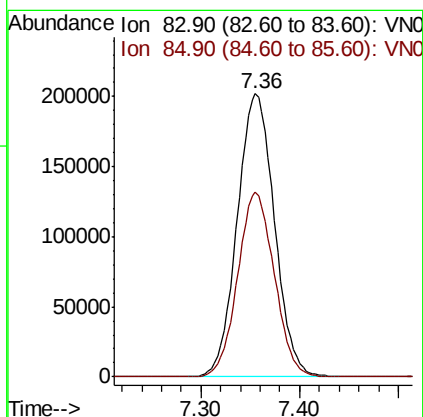
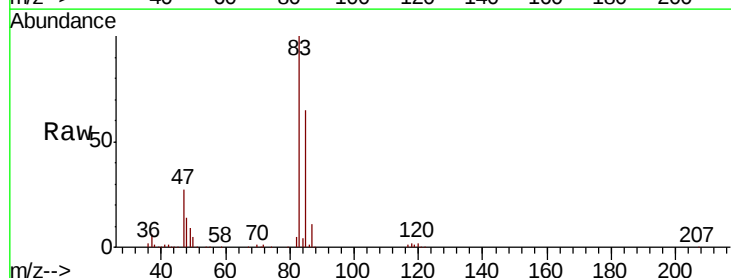
Manual Integrations
APPROVED

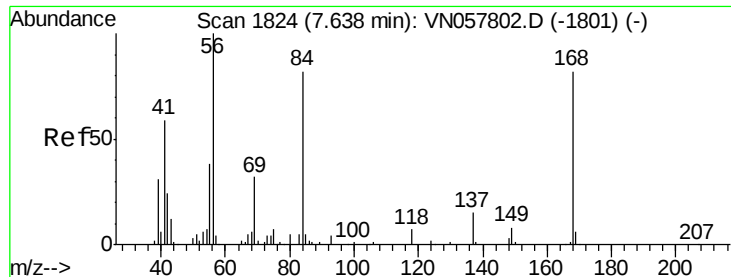
MMDadoda
9/13/2019 5:17:05 AM



#30
Chloroform
Concen: 46.473 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057807.D
Acq: 9 Sep 2019 17:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.6	75.8





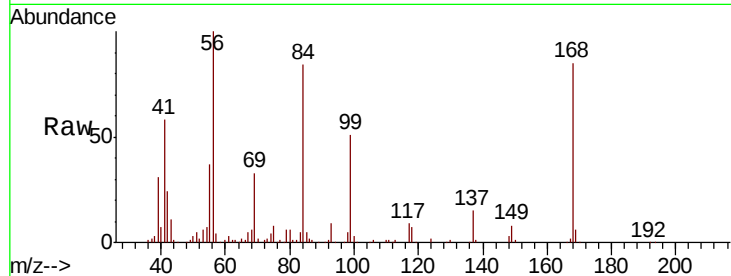
#31
Cyclohexane
Concen: 49.994 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057807.D
Acq: 9 Sep 2019 17:38

Instrument :
MSVOA_N
ClientSampled :
ICVVN091019

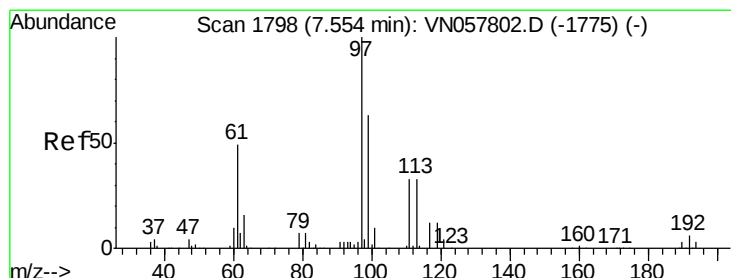
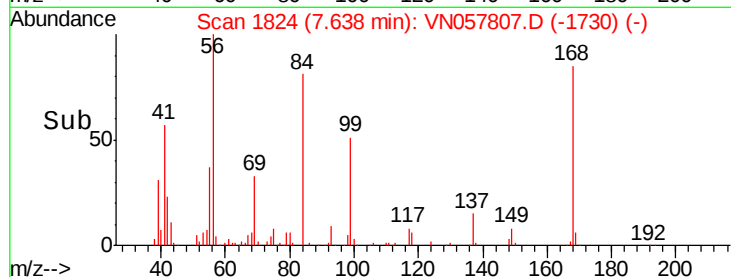
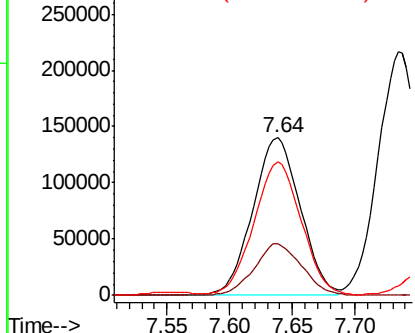
Tot Ion	Ratio	Lower	Upper
56	100		
69	32.6	25.9	38.9
84	82.8	65.6	98.4

Manual Integrations
APPROVED

MMDadoda
9/13/2019 5:17:05 AM

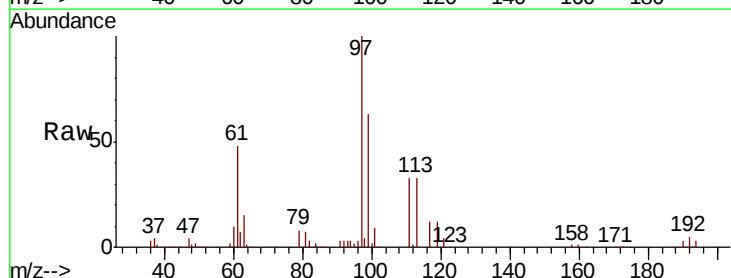


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

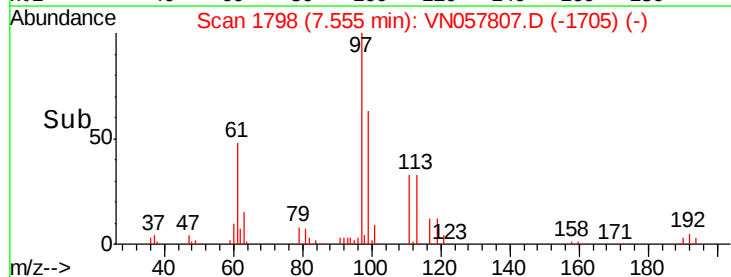
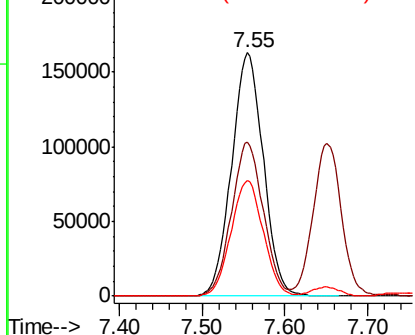


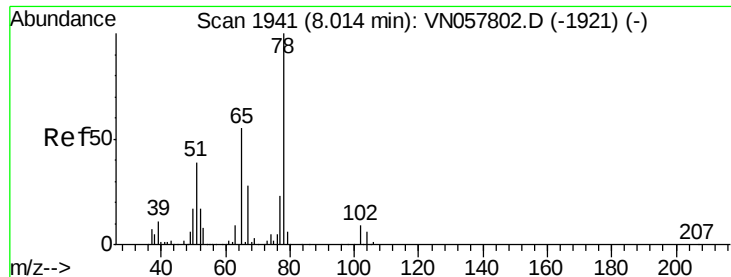
#32
1,1,1-Trichloroethane
Concen: 48.168 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN057807.D
Acq: 9 Sep 2019 17:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.0	76.4
61	48.3	39.0	58.6



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





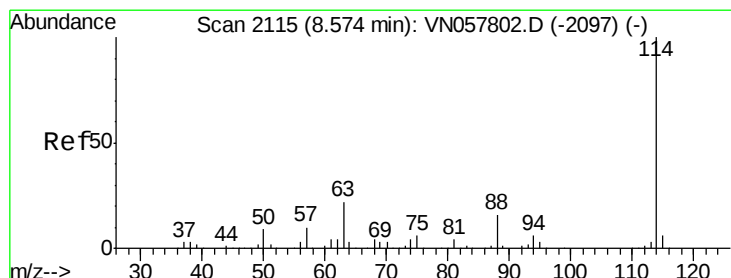
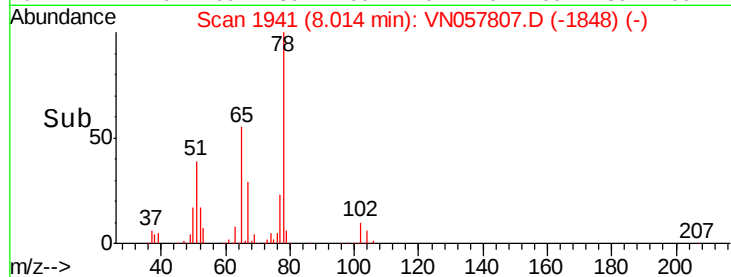
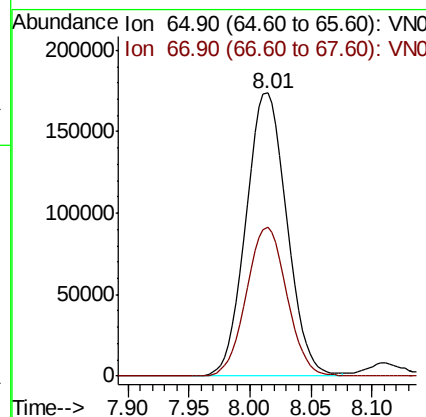
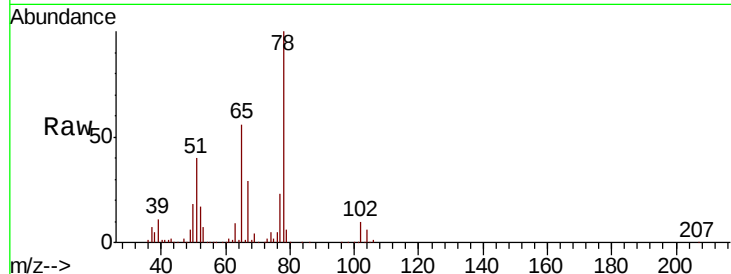
#33
 1,2-Dichloroethane-d4
 Concen: 48.946 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057807.D
 Acq: 9 Sep 2019 17:38

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091019

Tot Ion	Ratio	Resp	Lower	Upper
65	100	403516		
67	52.2	0.0	104.0	

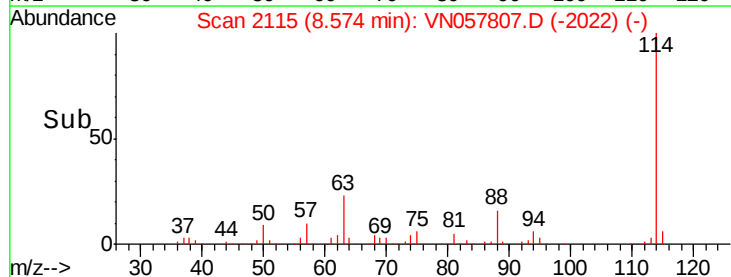
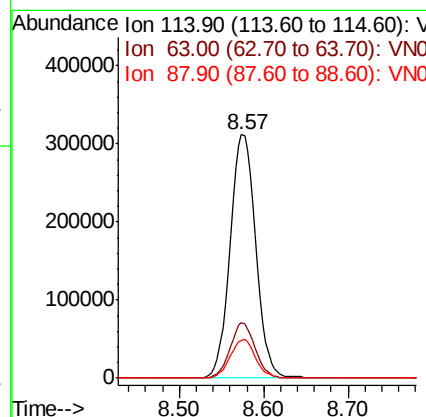
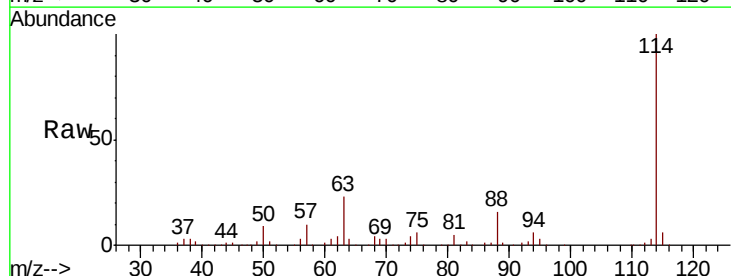
Manual Integrations
 APPROVED

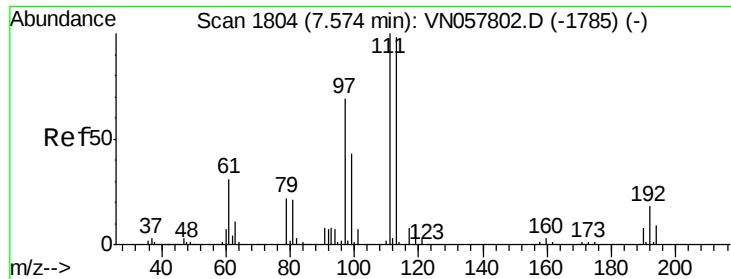
MMDadoda
 9/13/2019 5:17:05 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057807.D
 Acq: 9 Sep 2019 17:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	658870		
63	22.7	0.0	44.0	
88	15.7	0.0	31.4	





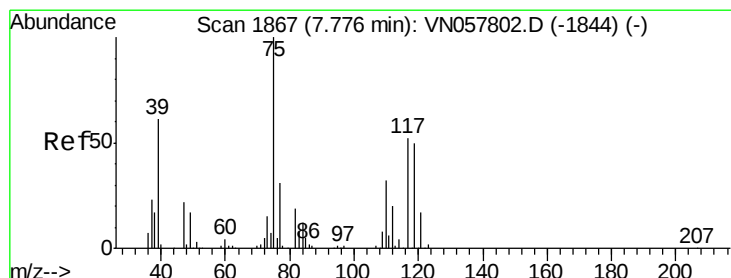
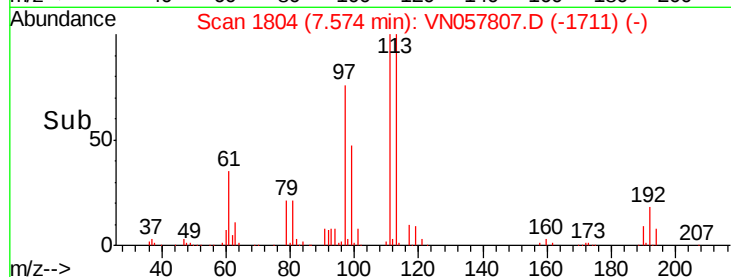
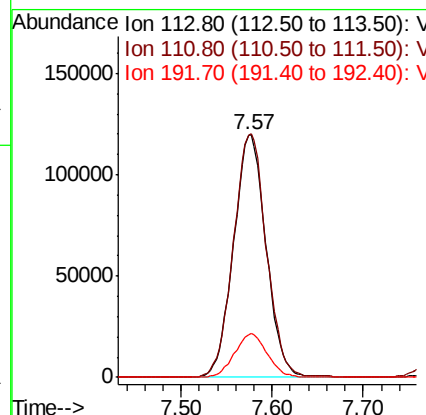
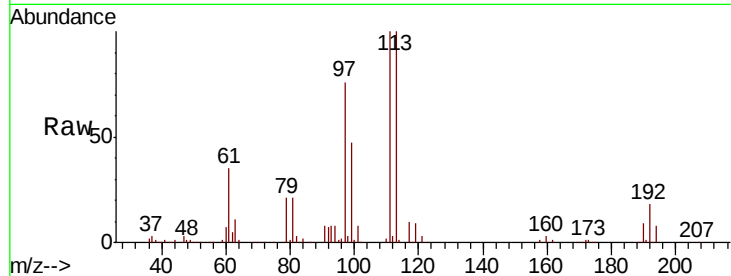
#35
 Dibromofluoromethane
 Concen: 48.855 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN057807.D
 Acq: 9 Sep 2019 17:38

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091019

Tot Ion	Ratio	Resp	Lower	Upper
113	100	297092		
111	101.8	81.3	121.9	
192	18.0	14.6	22.0	

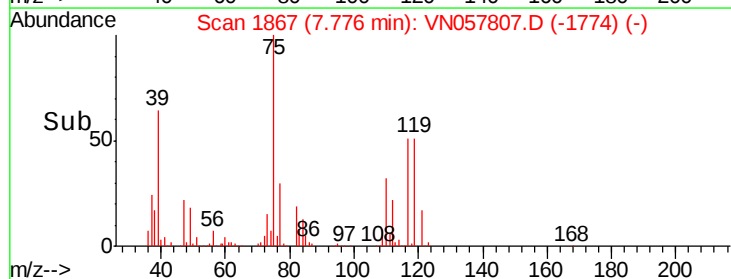
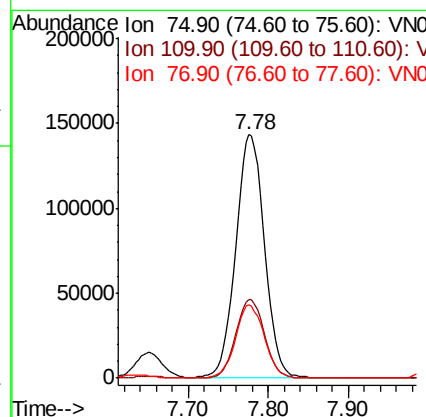
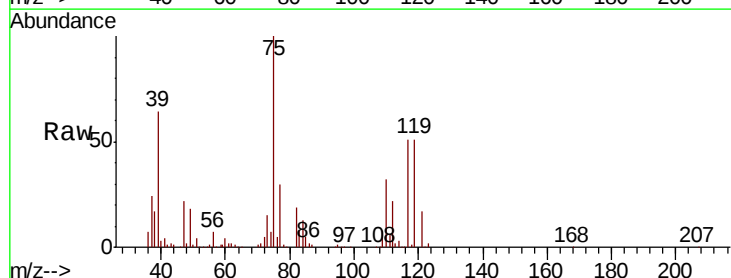
Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 5:17:05 AM



#36
 1,1-Dichloropropene
 Concen: 45.340 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN057807.D
 Acq: 9 Sep 2019 17:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	346449		
110	32.3	16.3	48.9	
77	30.6	25.0	37.4	





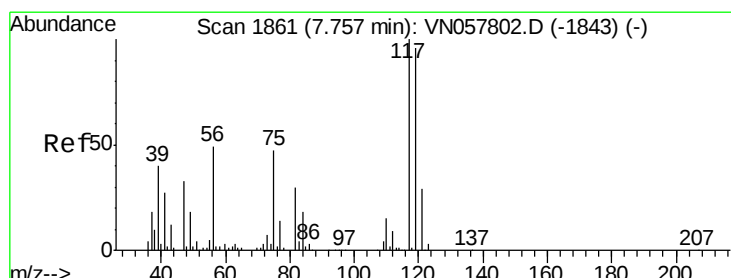
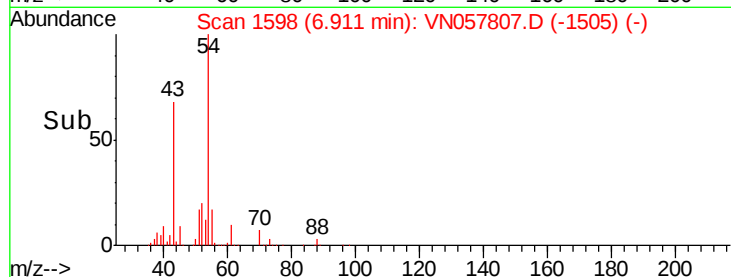
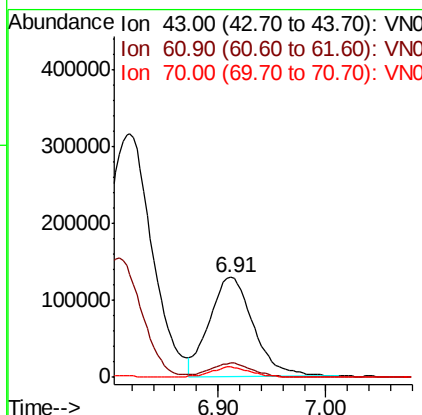
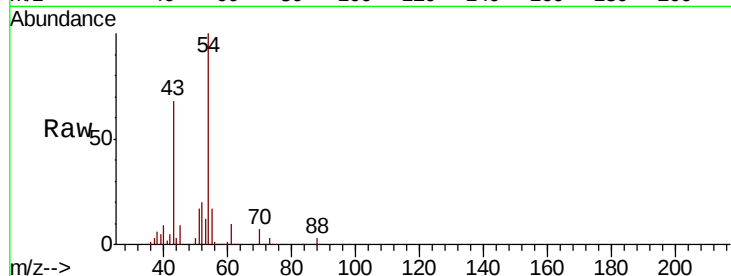
#37
Ethyl Acetate
Concen: 46.360 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN057807.D
Acq: 9 Sep 2019 17:38

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091019

Tot Ion	43	Resp	366000
Ion Ratio	100	Lower	Upper
43	100		
61	13.3	10.5	15.7
70	9.5	7.4	11.0

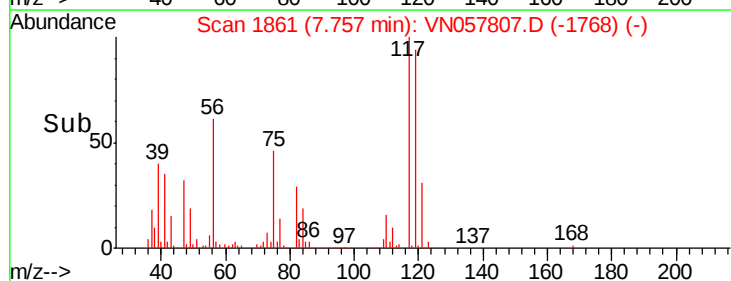
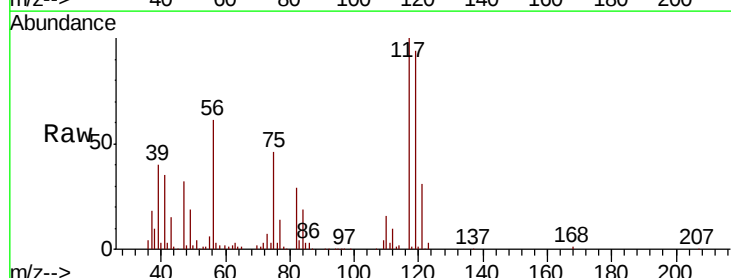
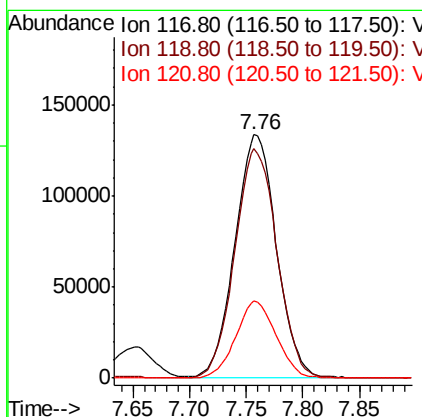
Manual Integrations
APPROVED

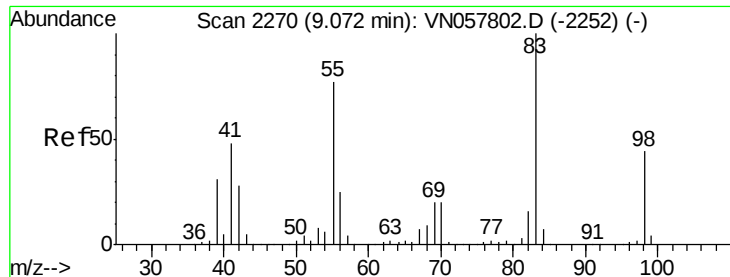
MMDadoda
9/13/2019 5:17:05 AM



#38
Carbon Tetrachloride
Concen: 48.703 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057807.D
Acq: 9 Sep 2019 17:38

Tgt Ion	117	Resp	339771
Ion Ratio	100	Lower	Upper
117	100		
119	94.1	76.9	115.3
121	31.6	23.4	35.2





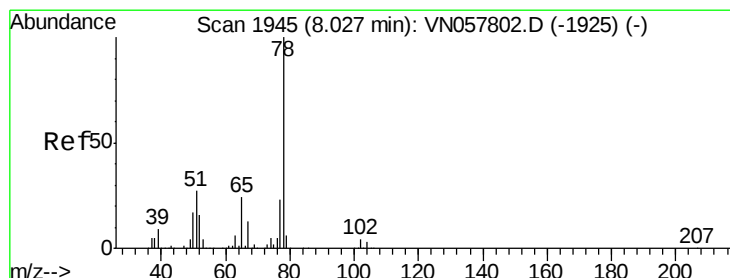
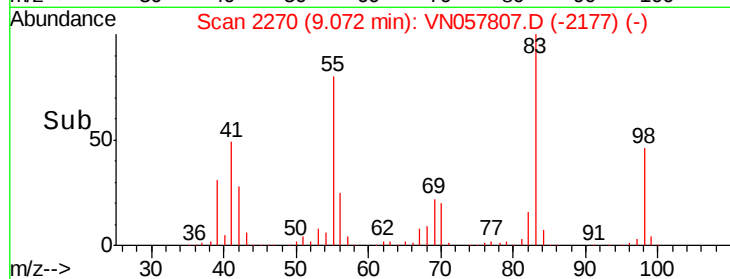
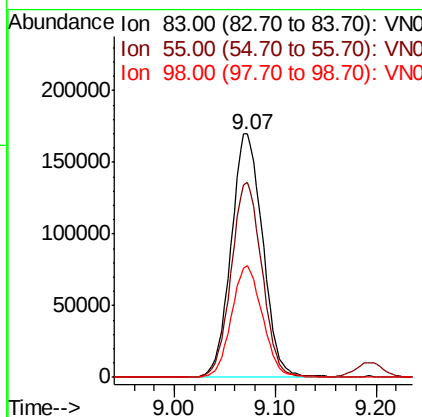
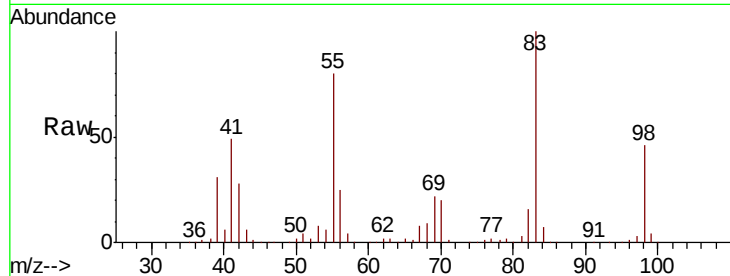
#39
Methvlcvclohexane
Concen: 46.040 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057807.D
Acq: 9 Sep 2019 17:38

Instrument :
MSVOA_N
ClientSampled :
ICVVN091019

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.1	61.6	92.4
98	45.7	34.9	52.3

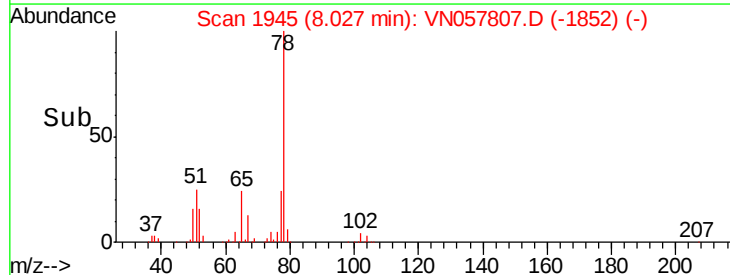
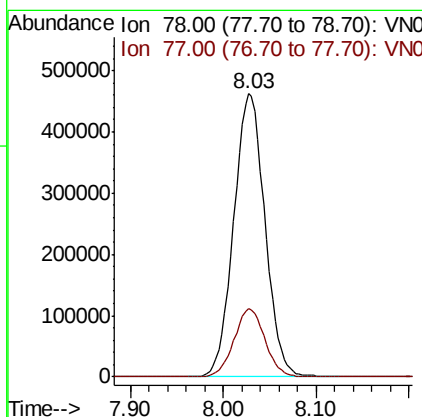
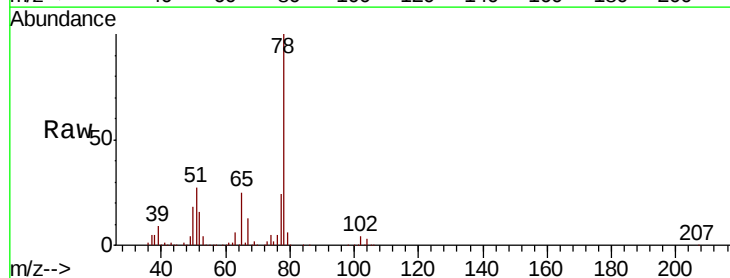
Manual Integrations
APPROVED

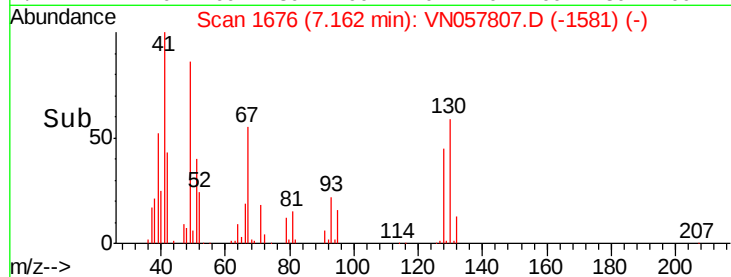
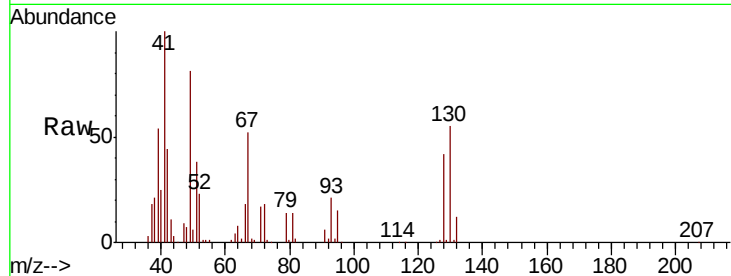
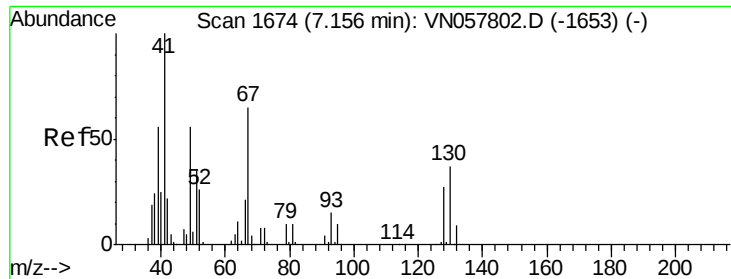
MMDadoda
9/13/2019 5:17:05 AM



#40
Benzene
Concen: 46.968 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057807.D
Acq: 9 Sep 2019 17:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.3	27.5





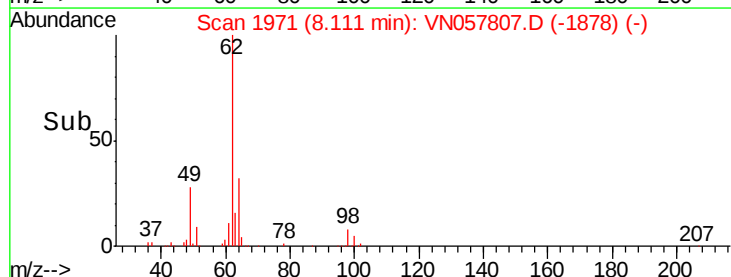
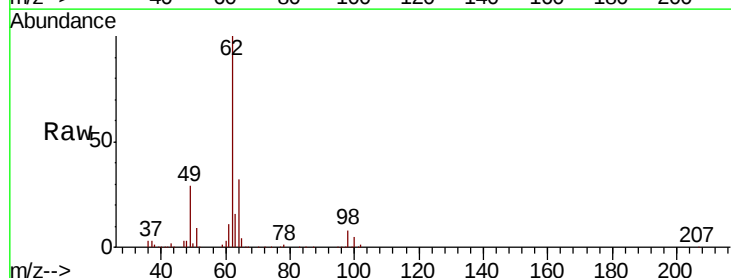
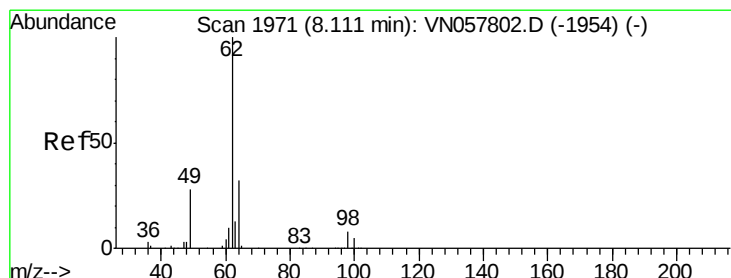
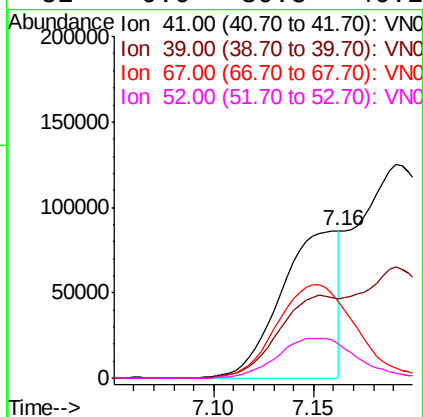
#41
Methacrylonitrile
Concen: 48.618 ug/l m
RT: 7.16 min Scan# 1676
Delta R.T. 0.01 min
Lab File: VN057807.D
Acq: 9 Sep 2019 17:38

Tot Ion	Ratio	Resp	Lower	Upper
41	100	174231		
39	0.0	51.0	76.6#	
67	0.0	70.7	106.1#	
52	0.0	30.8	46.2#	

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091019

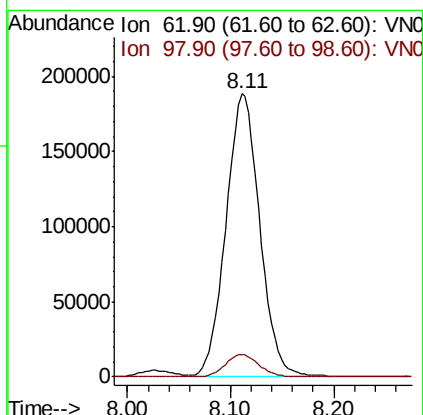
Manual Integrations
APPROVED

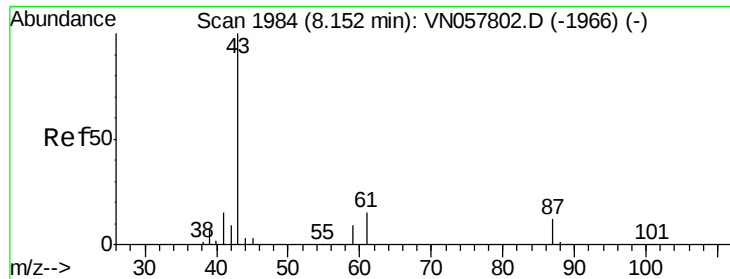
MMDadoda
9/13/2019 5:17:05 AM



#42
1,2-Dichloroethane
Concen: 46.641 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057807.D
Acq: 9 Sep 2019 17:38

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	429120		
98	7.9	0.0	15.8	





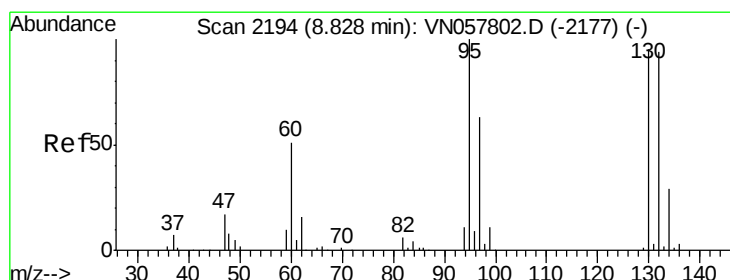
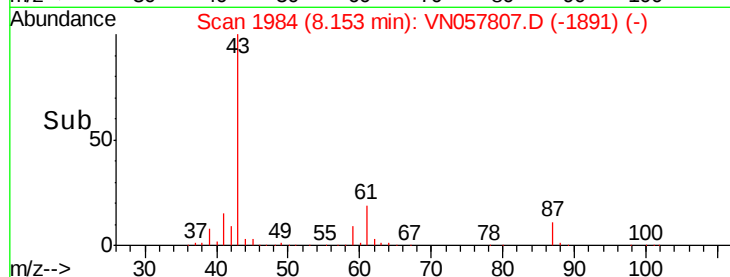
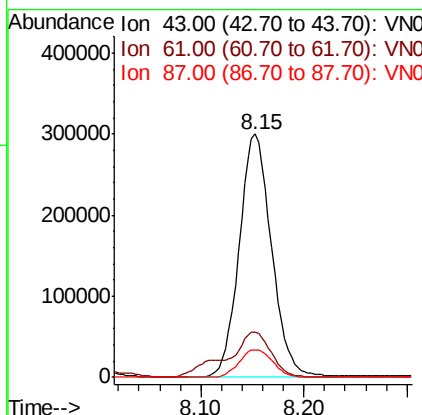
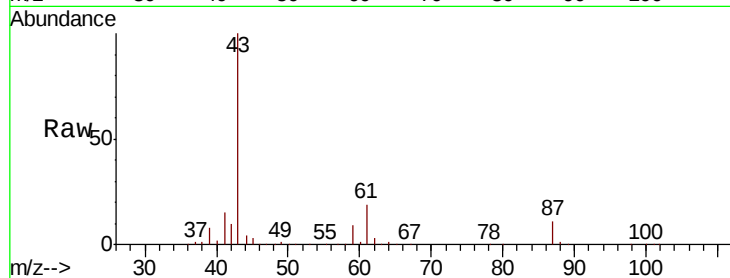
#43
Isopropyl Acetate
Concen: 49.132 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN057807.D
Acq: 9 Sep 2019 17:38

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091019

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.4	20.1	30.1#
87	11.9	9.5	14.3

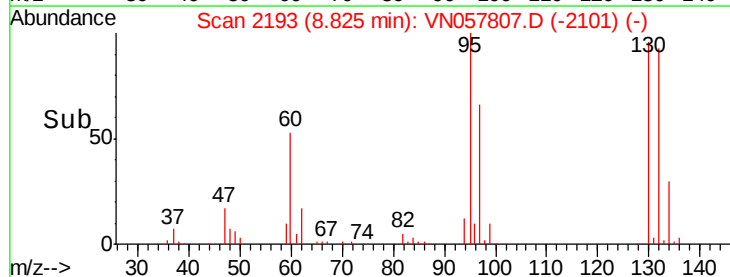
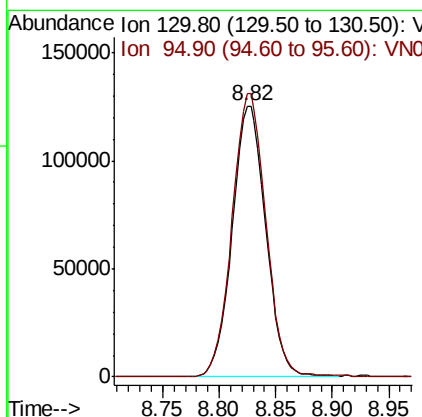
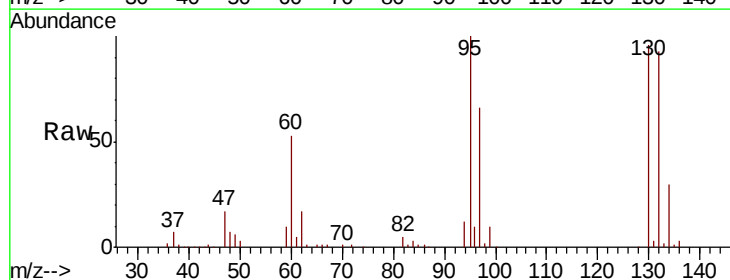
Manual Integrations
APPROVED

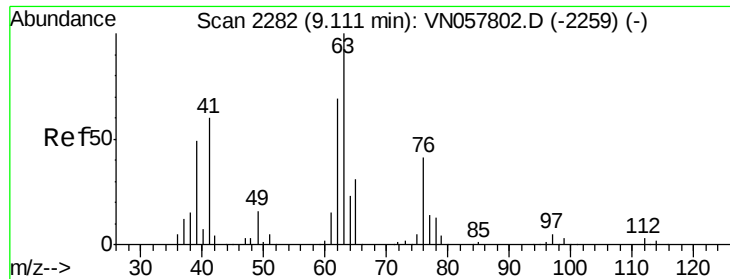
MMDadoda
9/13/2019 5:17:05 AM



#44
Trichloroethene
Concen: 45.925 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VN057807.D
Acq: 9 Sep 2019 17:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.5	0.0	211.4





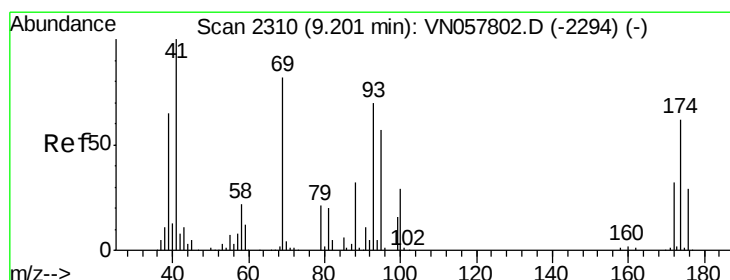
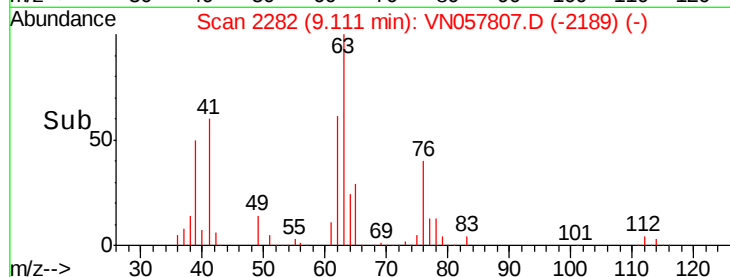
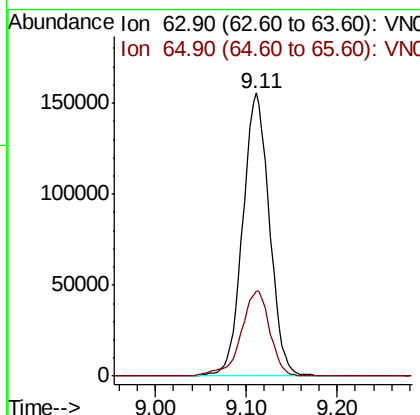
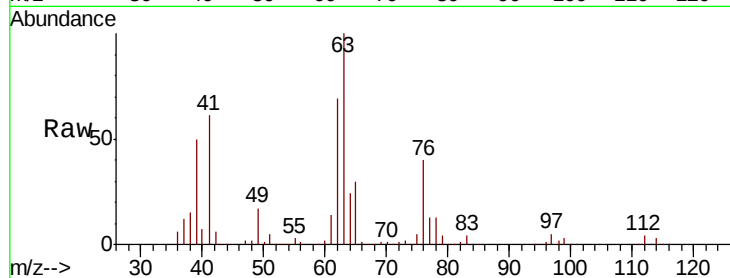
#45
 1,2-Dichloropropane
 Concen: 47.314 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057807.D
 Acq: 9 Sep 2019 17:38

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091019

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.8	37.2

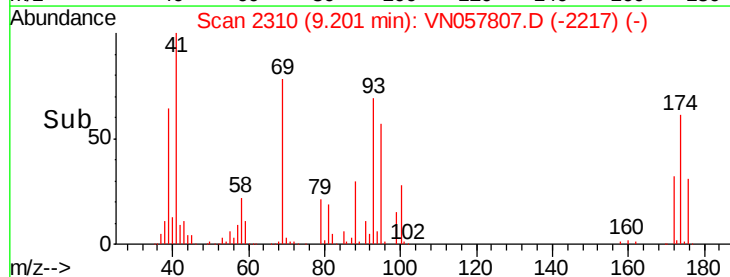
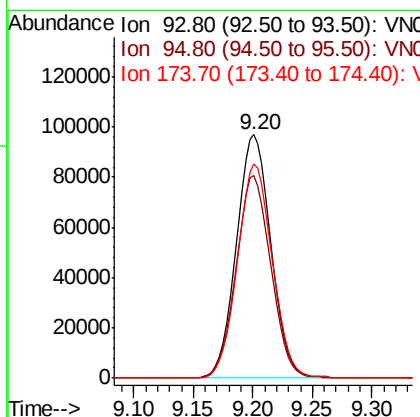
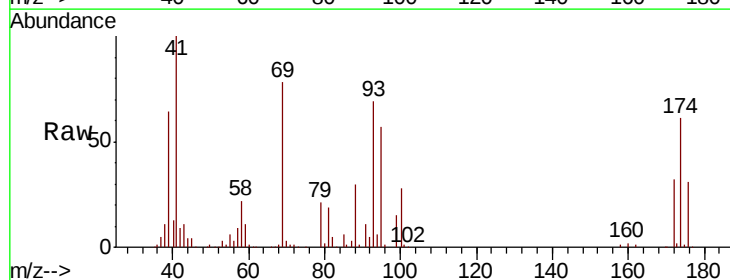
Manual Integrations
 APPROVED

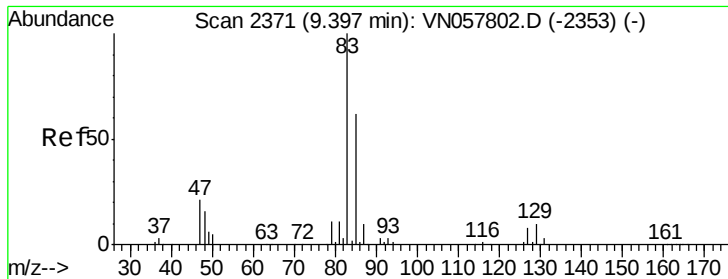
MMDadoda
 9/13/2019 5:17:05 AM



#46
 Dibromomethane
 Concen: 48.086 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057807.D
 Acq: 9 Sep 2019 17:38

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	65.9	98.9
174	89.1	71.8	107.6





#47

Bromodichloromethane

Concen: 50.277 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057807.D

Acq: 9 Sep 2019 17:38

Instrument :

MSVOA_N

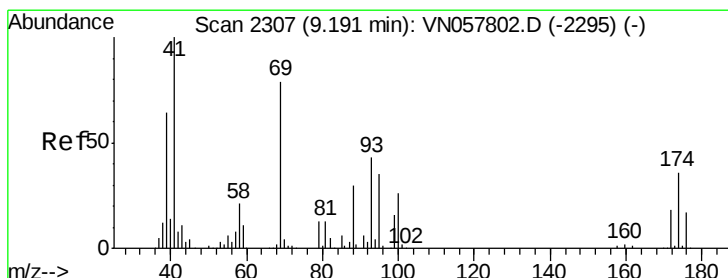
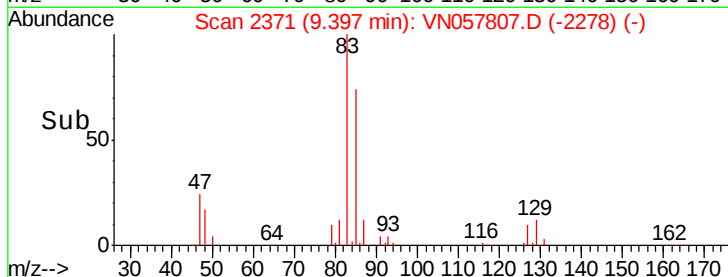
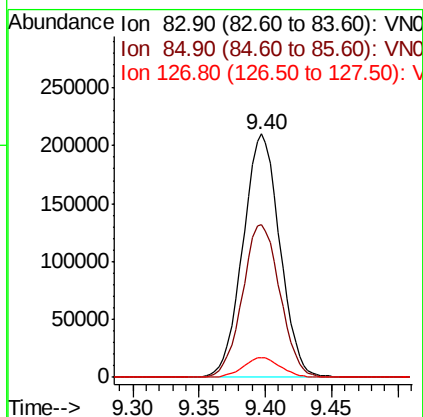
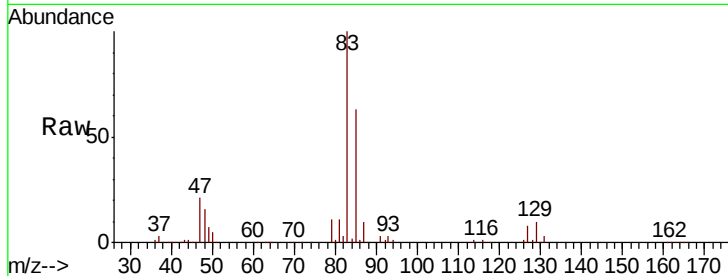
ClientSampleId :

ICVVN091019

Tot Ion:	83	Resp:	406122
Ion Ratio	Lower	Upper	
83	100		
85	62.5	49.9	74.9
127	8.2	6.5	9.7

Manual Integrations
APPROVED

MMDadoda
9/13/2019 5:17:05 AM



#48

Methyl methacrylate

Concen: 47.291 ug/l

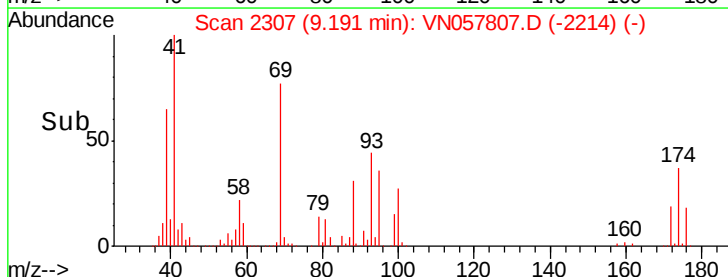
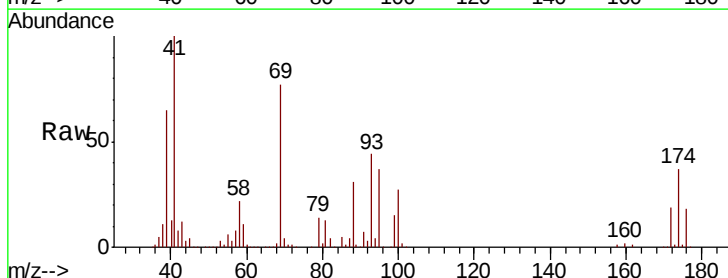
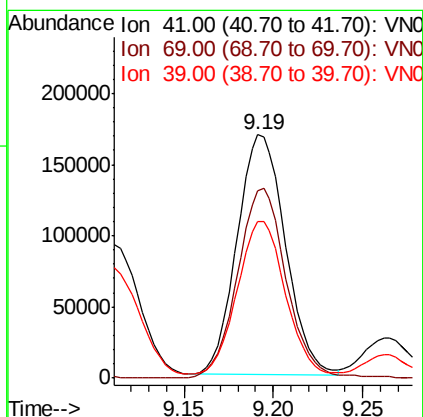
RT: 9.19 min Scan# 2307

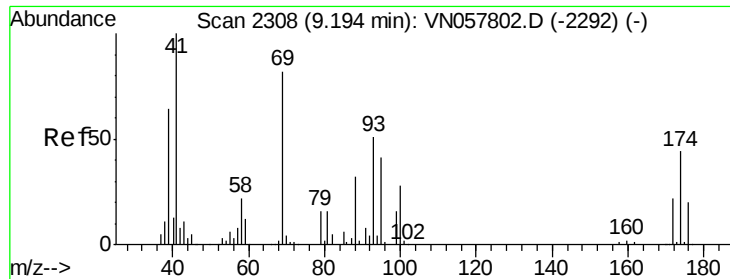
Delta R.T. 0.00 min

Lab File: VN057807.D

Acq: 9 Sep 2019 17:38

Tgt Ion:	41	Resp:	318486
Ion Ratio	Lower	Upper	
41	100		
69	80.0	62.7	94.1
39	66.1	52.7	79.1





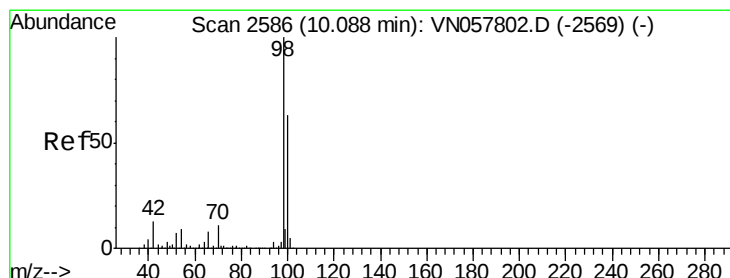
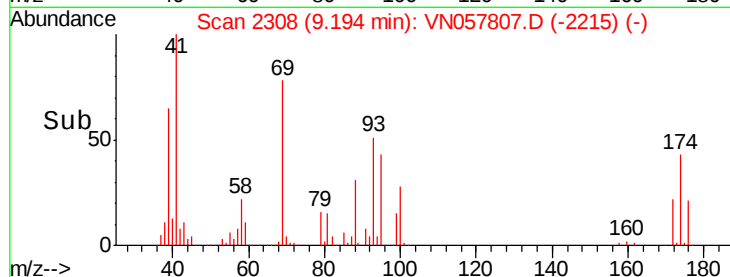
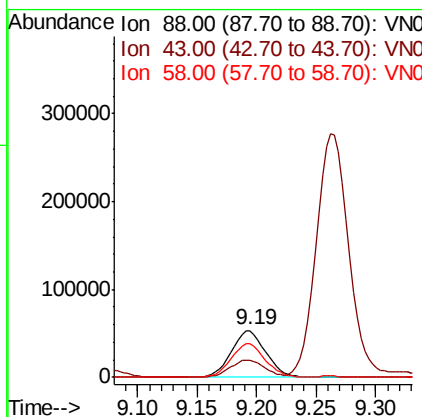
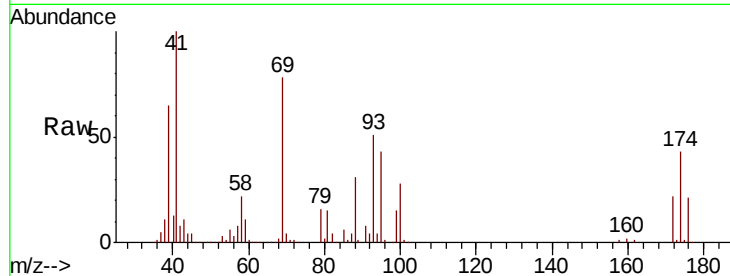
#49
 1,4-Dioxane
 Concen: 945.924 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN057807.D
 Acq: 9 Sep 2019 17:38

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN091019

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.0	28.5	42.7
58	70.7	55.8	83.6

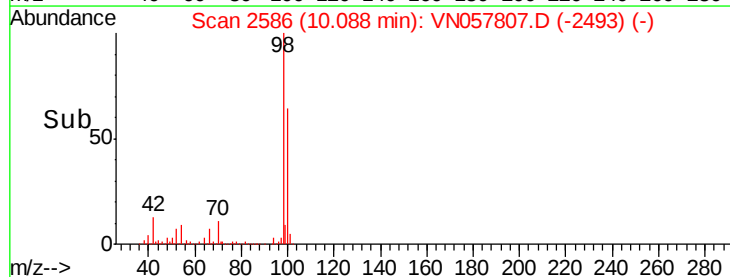
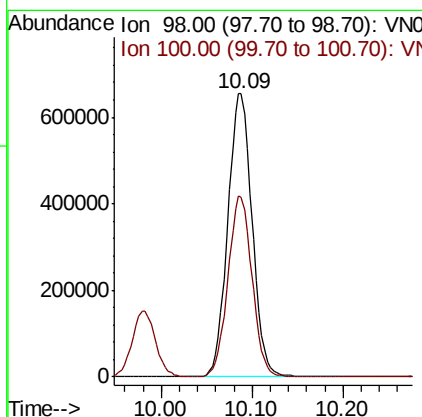
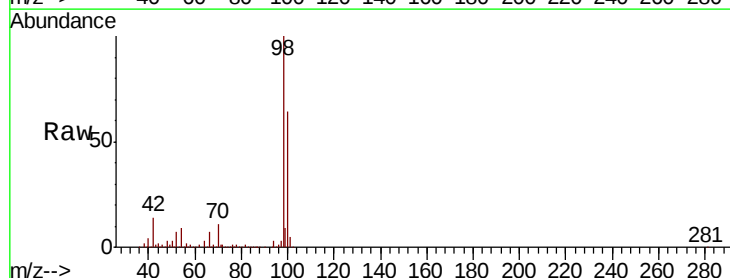
Manual Integrations
 APPROVED

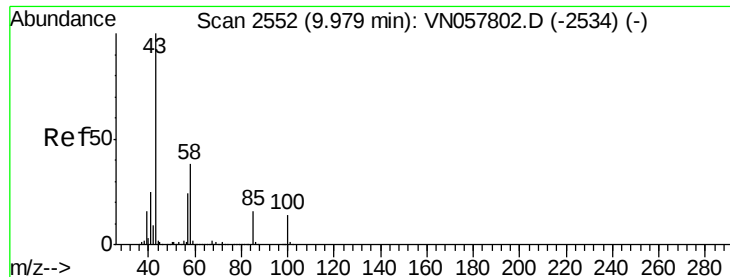
MMDadoda
 9/13/2019 5:17:05 AM



#50
 Toluene-d8
 Concen: 51.402 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN057807.D
 Acq: 9 Sep 2019 17:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 255.670 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057807.D

Acq: 9 Sep 2019 17:38

Instrument :

MSVOA_N

ClientSampleId :

ICVVN091019

Tot Ion: 43 Resp: 2008682

Ion Ratio Lower Upper

43 100

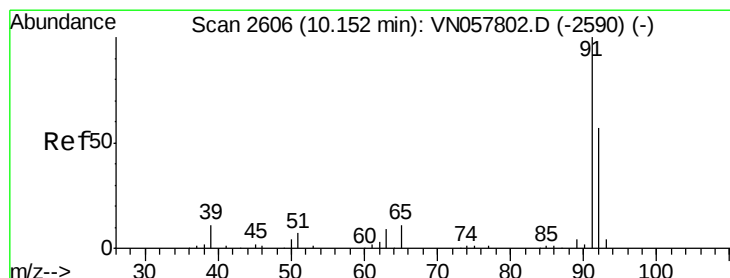
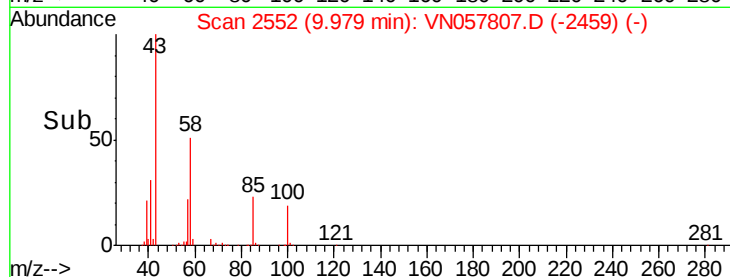
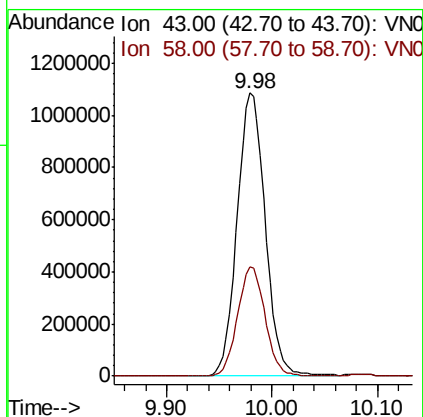
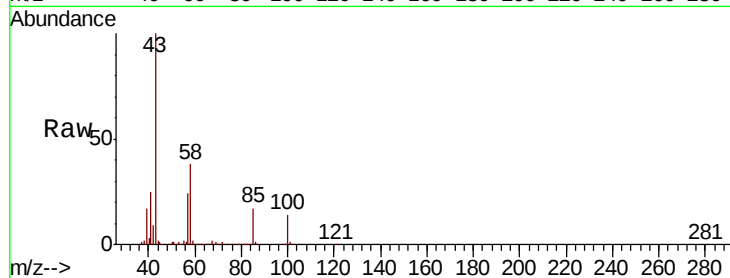
58 37.7 29.8 44.6

Manual Integrations

APPROVED

MMDadoda

9/13/2019 5:17:05 AM



#52

Toluene

Concen: 47.684 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057807.D

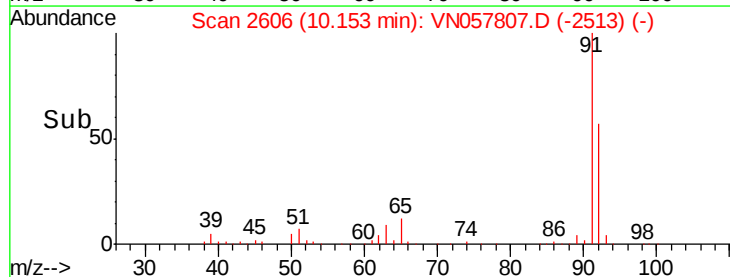
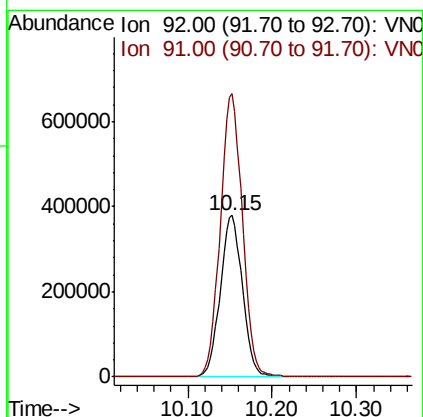
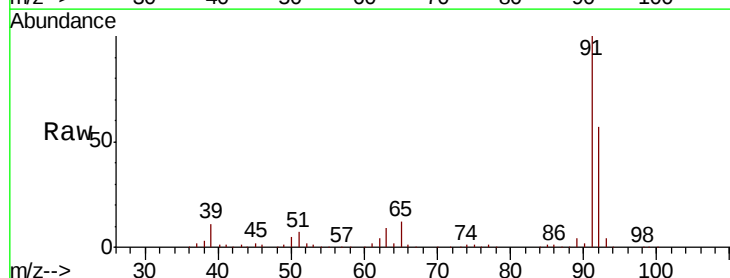
Acq: 9 Sep 2019 17:38

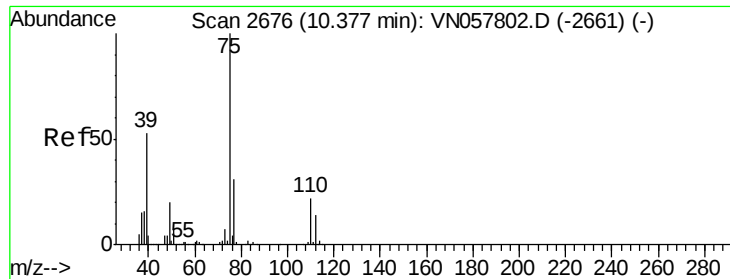
Tgt Ion: 92 Resp: 690907

Ion Ratio Lower Upper

92 100

91 175.5 141.0 211.6





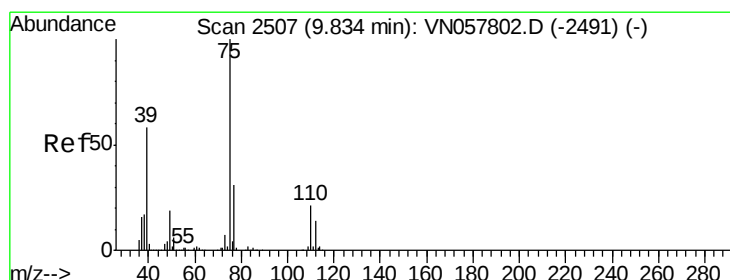
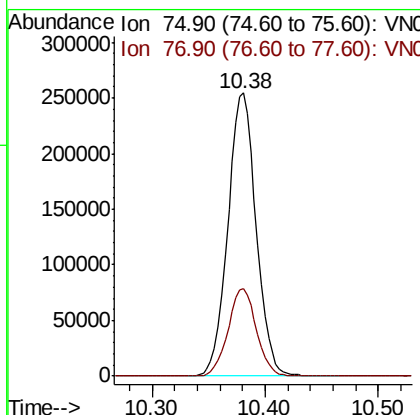
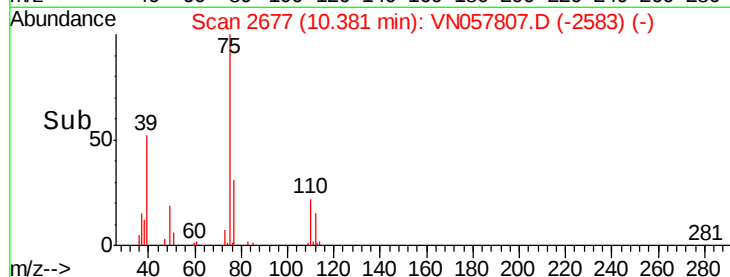
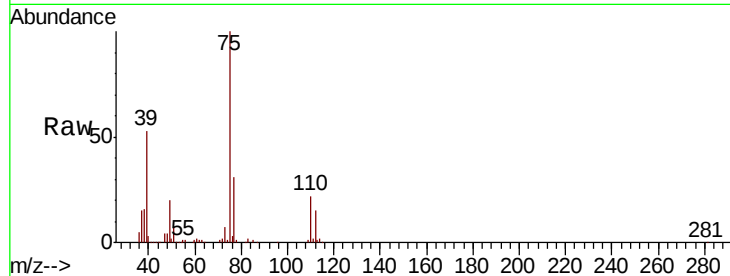
#53
 t-1,3-Dichloropropene
 Concen: 51.877 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN057807.D
 Acq: 9 Sep 2019 17:38

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091019

Tot Ion: 75 Resp: 441277
 Ion Ratio Lower Upper
 75 100
 77 30.7 24.5 36.7

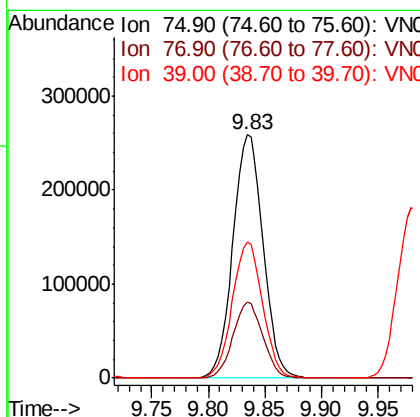
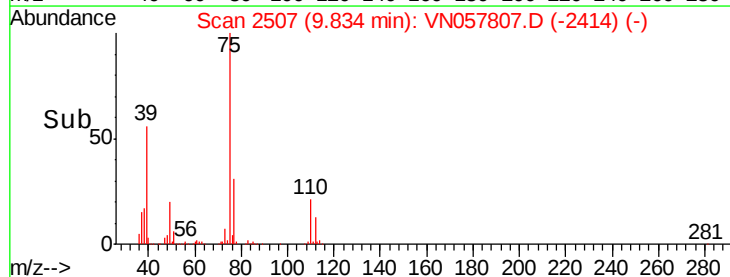
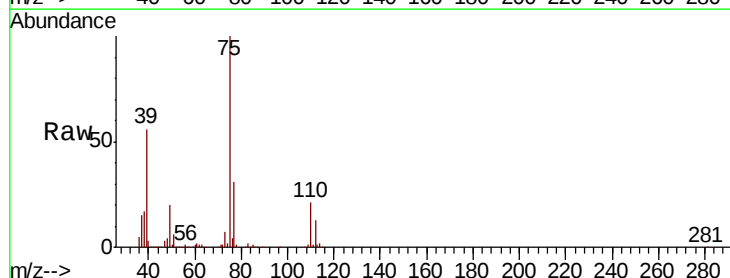
Manual Integrations
 APPROVED

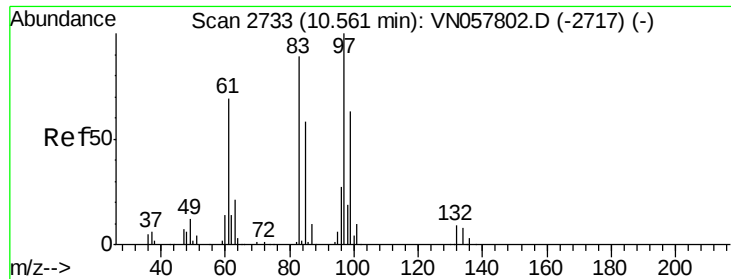
MMDadoda
 9/13/2019 5:17:05 AM



#54
 cis-1,3-Dichloropropene
 Concen: 51.331 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN057807.D
 Acq: 9 Sep 2019 17:38

Tgt Ion: 75 Resp: 482069
 Ion Ratio Lower Upper
 75 100
 77 31.4 24.8 37.2
 39 55.9 46.2 69.4





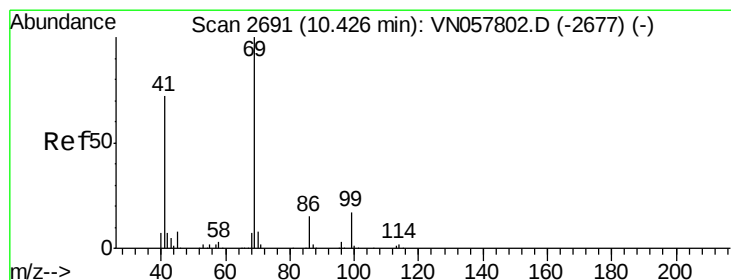
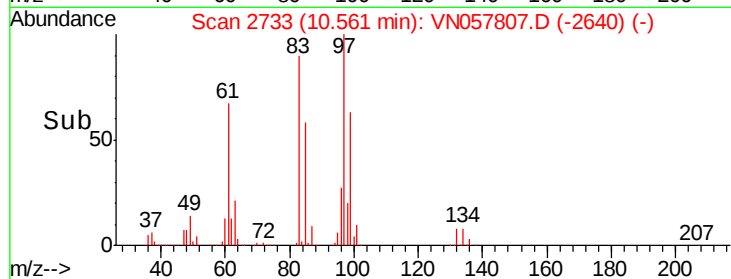
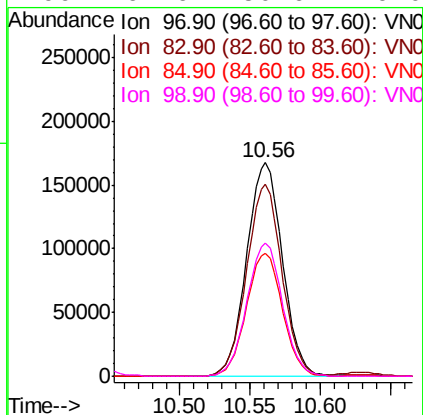
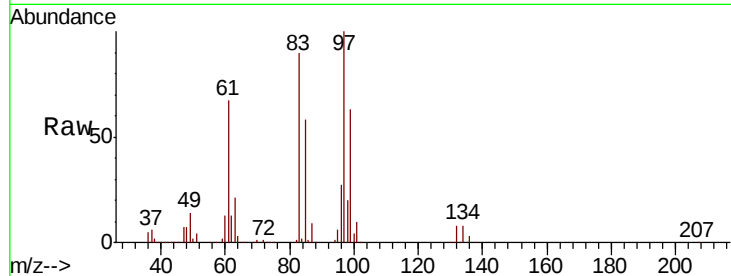
#55
 1,1,2-Trichloroethane
 Concen: 48.576 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057807.D
 Acq: 9 Sep 2019 17:38

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN091019

Tot Ion:	97	Resp:	298135
Ion	Ratio	Lower	Upper
97	100		
83	89.8	70.8	106.2
85	57.6	46.0	69.0
99	62.6	50.6	76.0

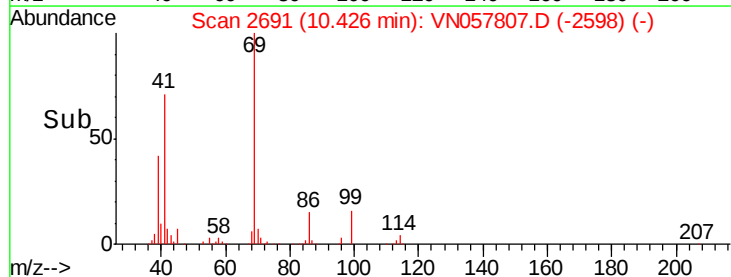
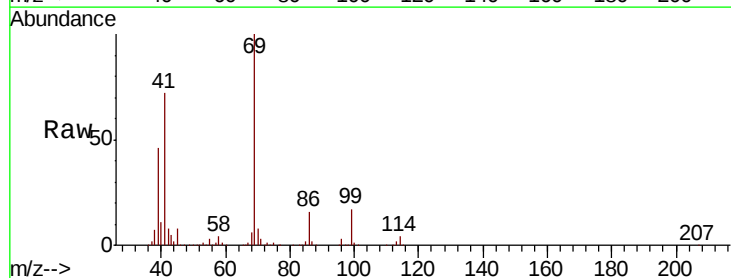
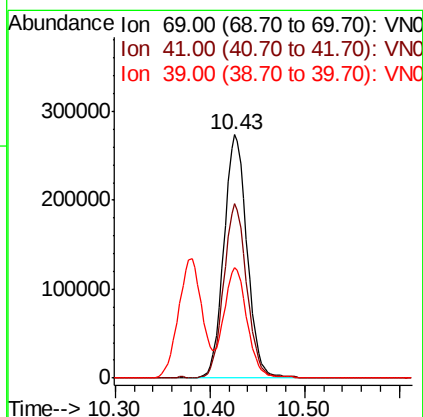
Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 5:17:05 AM



#56
 Ethyl methacrylate
 Concen: 50.414 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057807.D
 Acq: 9 Sep 2019 17:38

Tgt Ion:	69	Resp:	465945
Ion	Ratio	Lower	Upper
69	100		
41	70.7	56.7	85.1
39	45.2	36.3	54.5





#57

1,3-Dichloropropane

Concen: 48.461 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057807.D

Acq: 9 Sep 2019 17:38

Instrument :

MSVOA_N

ClientSampleId :

ICVVN091019

Tot Ion: 76 Resp: 512584

Ion Ratio Lower Upper

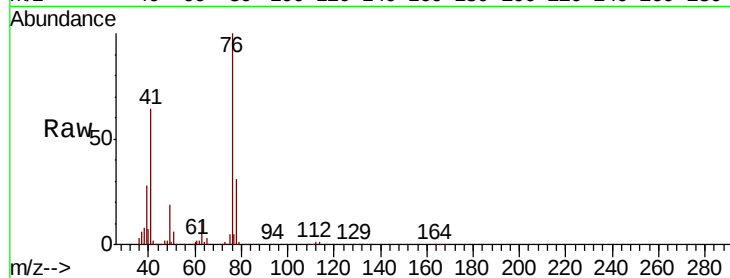
76 100

78 31.4 25.4 38.2

Manual Integrations
APPROVED

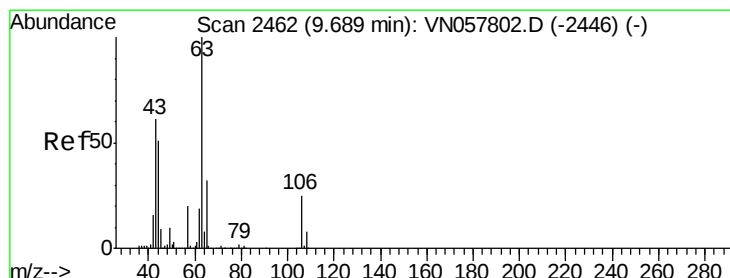
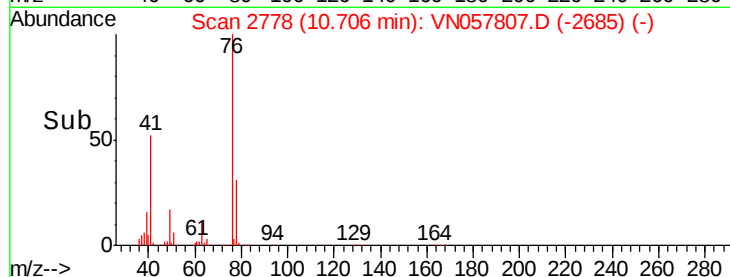
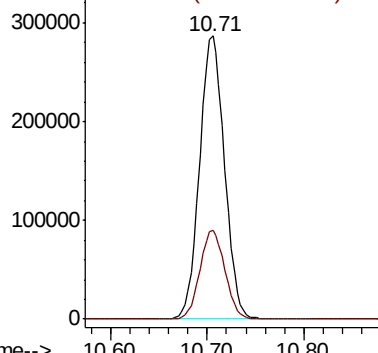
MMDadoda

9/13/2019 5:17:05 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: 253.243 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057807.D

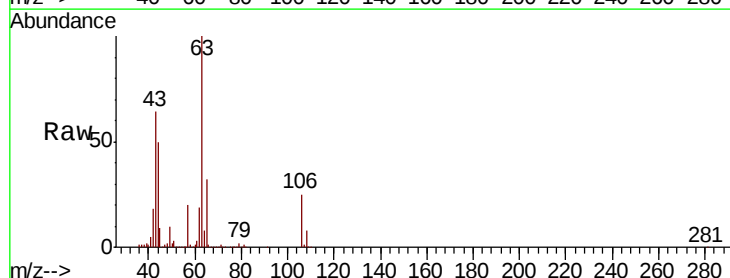
Acq: 9 Sep 2019 17:38

Tgt Ion: 63 Resp: 1102396

Ion Ratio Lower Upper

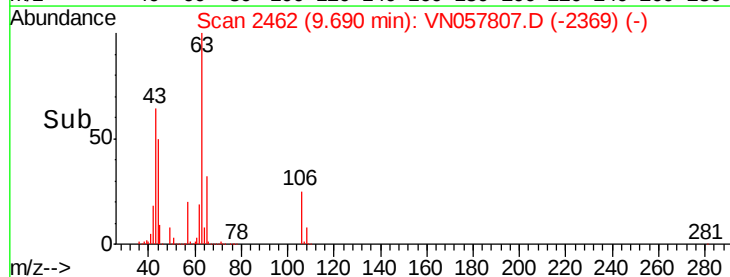
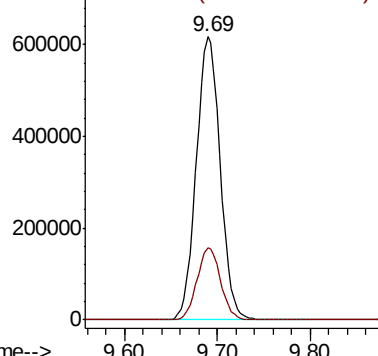
63 100

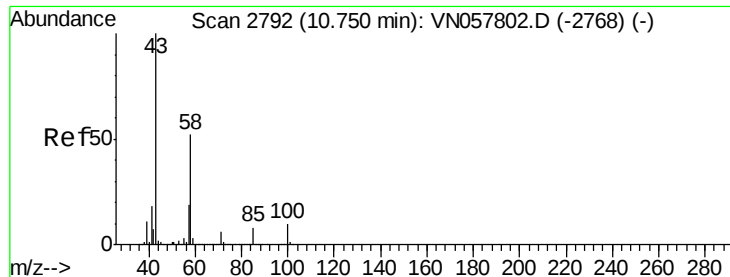
106 25.1 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





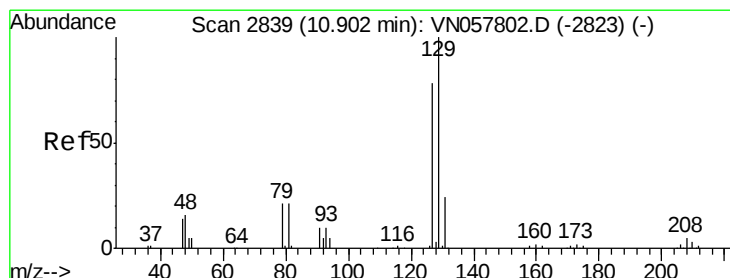
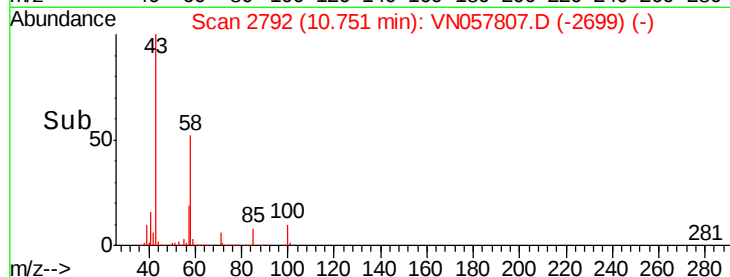
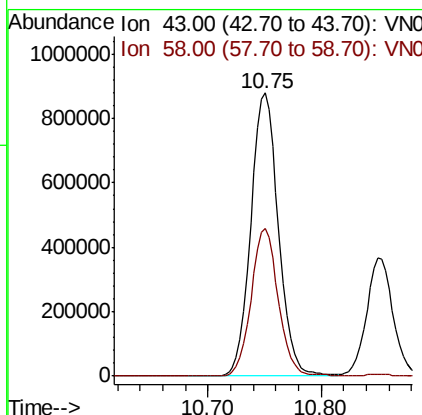
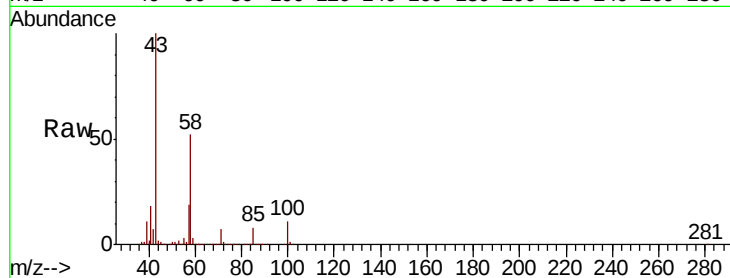
#59
2-Hexanone
Concen: 252.497 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057807.D
Acq: 9 Sep 2019 17:38

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091019

Tot Ion: 43 Resp: 1486899
Ion Ratio Lower Upper
43 100
58 51.4 25.6 76.8

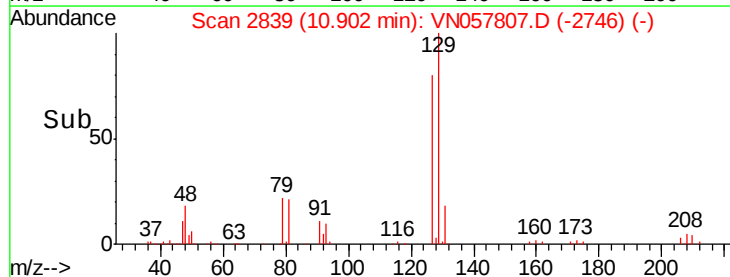
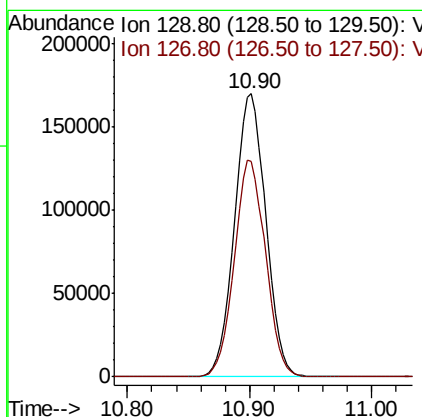
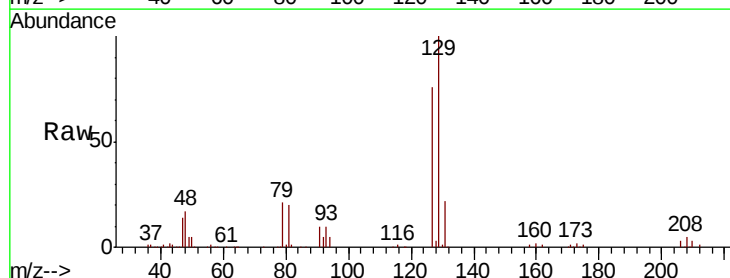
Manual Integrations
APPROVED

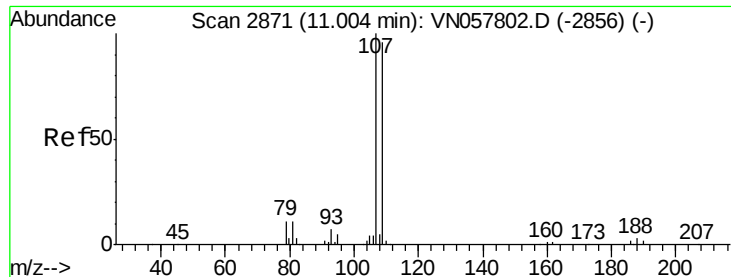
MMDadoda
9/13/2019 5:17:05 AM



#60
Dibromochloromethane
Concen: 53.046 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN057807.D
Acq: 9 Sep 2019 17:38

Tgt Ion: 129 Resp: 302323
Ion Ratio Lower Upper
129 100
127 76.2 38.6 116.0





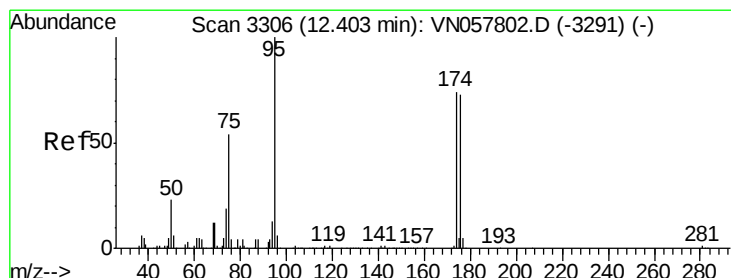
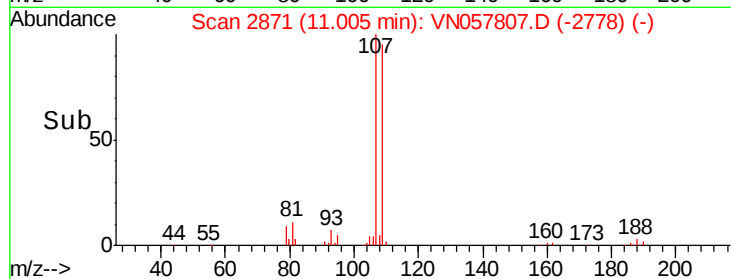
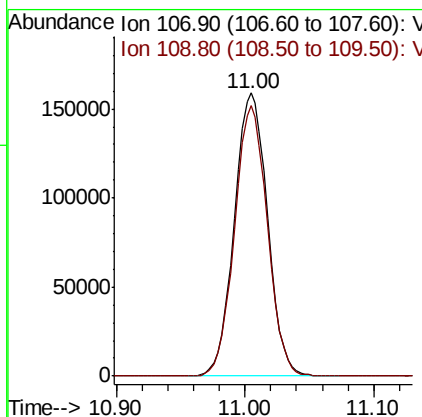
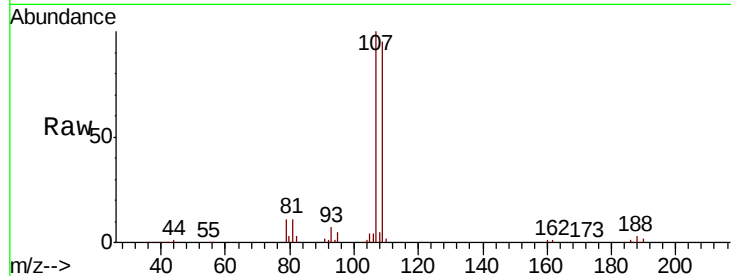
#61
 1,2-Dibromoethane
 Concen: 48.915 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057807.D
 Acq: 9 Sep 2019 17:38

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091019

Tot Ion	Ratio	Resp	Lower	Upper
107	100	283828		
109	94.6	75.3	112.9	

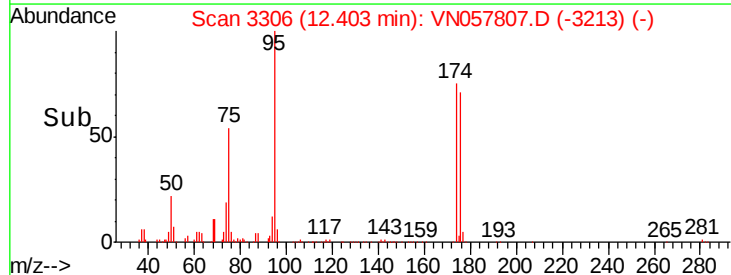
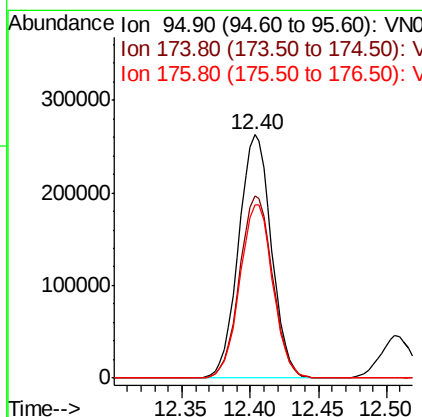
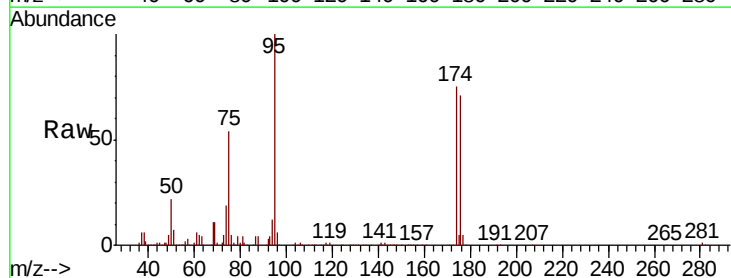
Manual Integrations
 APPROVED

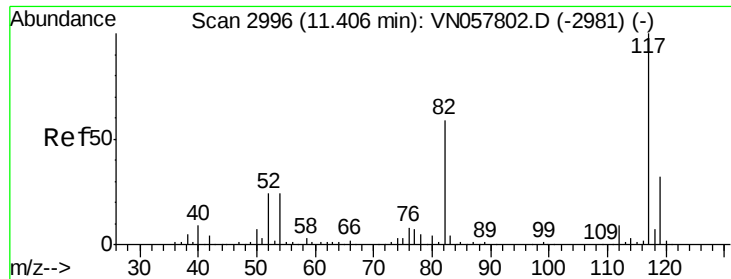
MMDadoda
 9/13/2019 5:17:05 AM



#62
 4-Bromofluorobenzene
 Concen: 48.852 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057807.D
 Acq: 9 Sep 2019 17:38

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	439545		
174	75.3	0.0	150.2	
176	71.8	0.0	146.0	





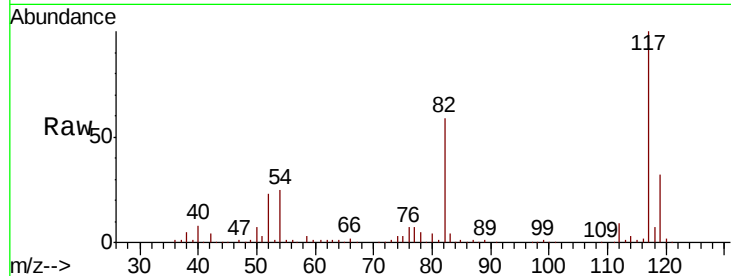
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057807.D
Acq: 9 Sep 2019 17:38

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091019

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.3	47.2	70.8
119	31.7	25.3	37.9

Manual Integrations
APPROVED

MMDadoda
9/13/2019 5:17:05 AM

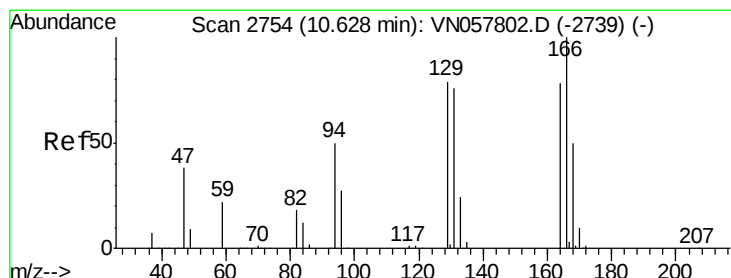
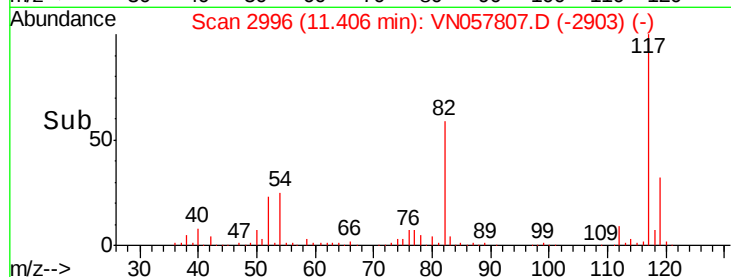
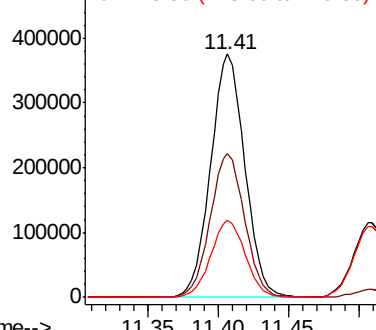


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 45.801 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057807.D
Acq: 9 Sep 2019 17:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	102.2	153.2
129	95.8	80.8	121.2
131	94.1	77.4	116.2

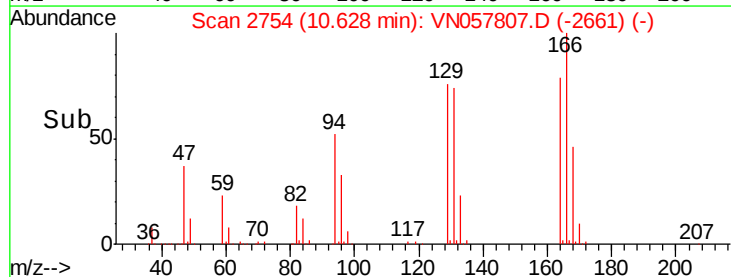
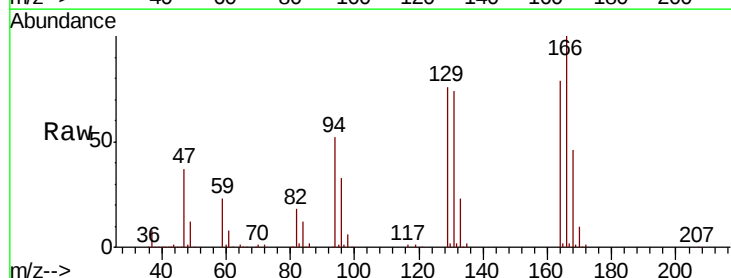
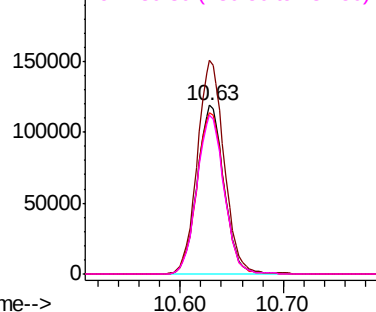
Abundance

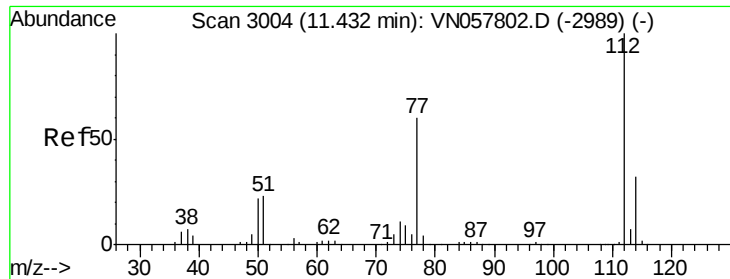
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 46.880 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN057807.D

Acq: 9 Sep 2019 17:38

Instrument :

MSVOA_N

ClientSampleId :

ICVVN091019

Tot Ion:112 Resp: 782051

Ion Ratio Lower Upper

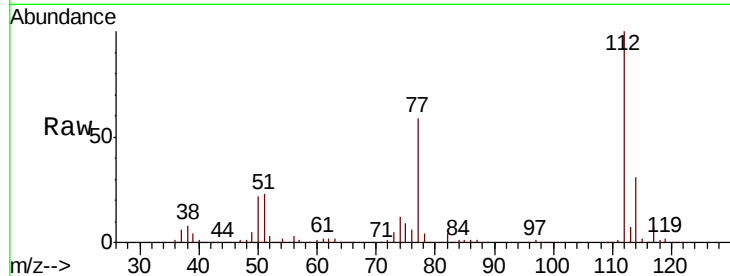
112 100

114 31.4 25.2 37.8

Manual Integrations
APPROVED

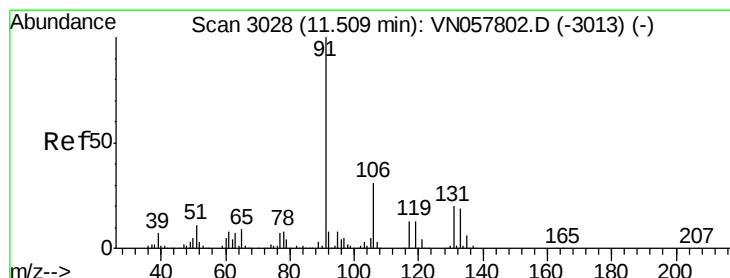
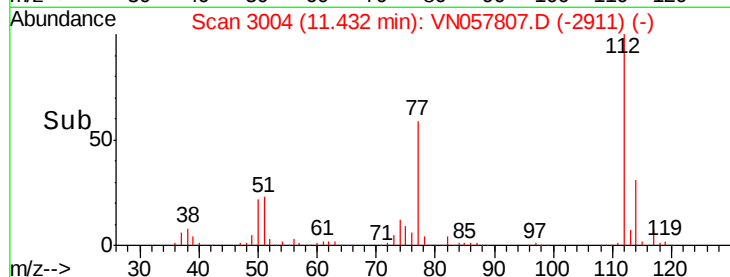
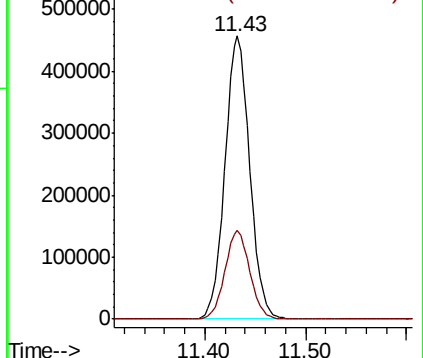
MMDadoda

9/13/2019 5:17:05 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.262 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057807.D

Acq: 9 Sep 2019 17:38

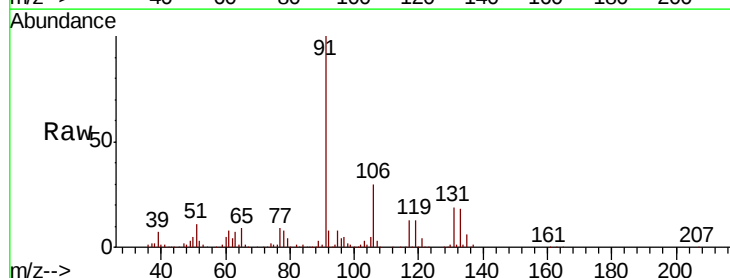
Tgt Ion:131 Resp: 285155

Ion Ratio Lower Upper

131 100

133 96.0 47.1 141.3

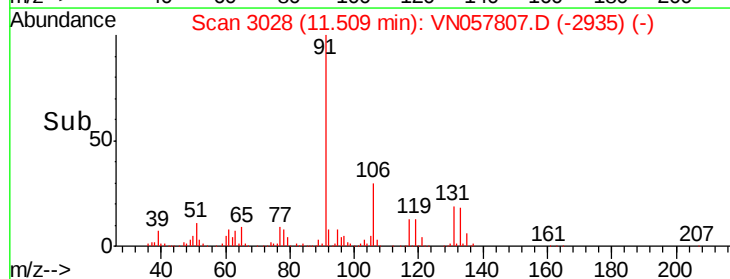
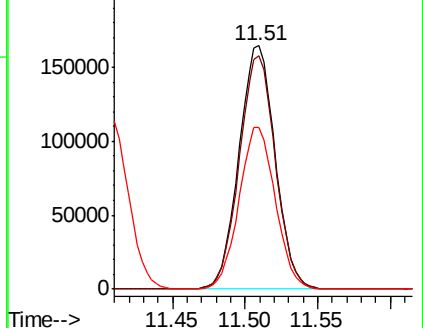
119 66.8 33.3 99.8

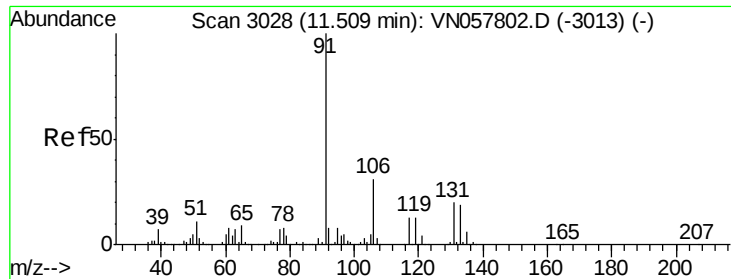


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





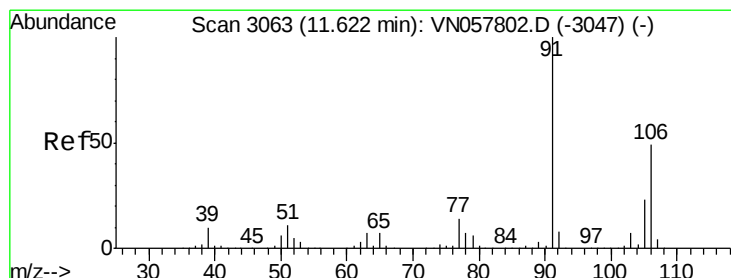
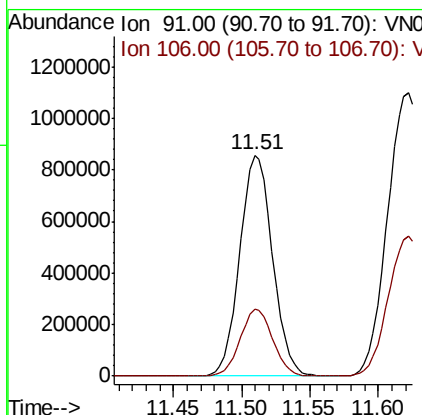
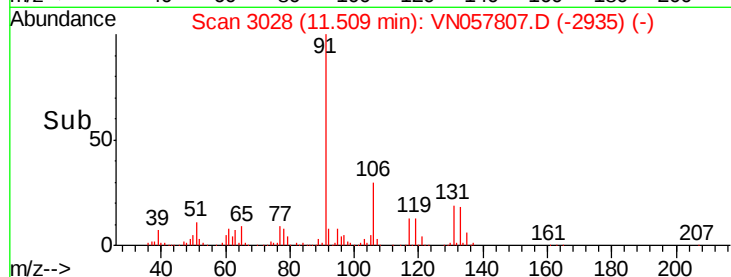
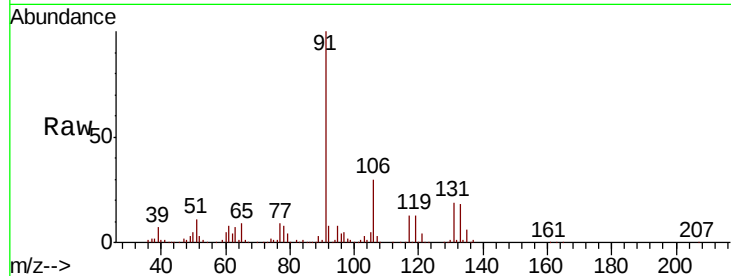
#67
Ethyl Benzene
Concen: 48.959 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057807.D
Acq: 9 Sep 2019 17:38

Instrument :
MSVOA_N
ClientSampled :
ICVVN091019

Tot Ion: 91 Resp: 1431361
Ion Ratio Lower Upper
91 100
106 30.1 24.4 36.6

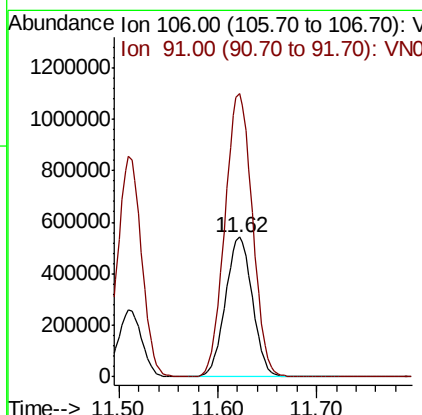
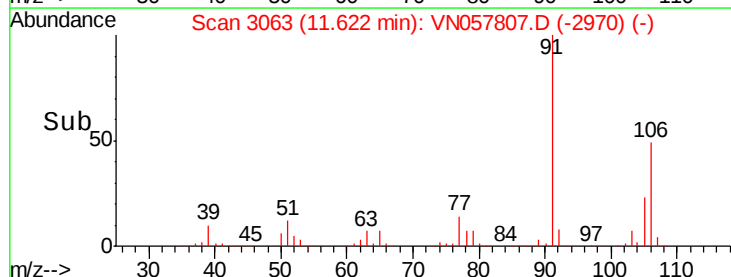
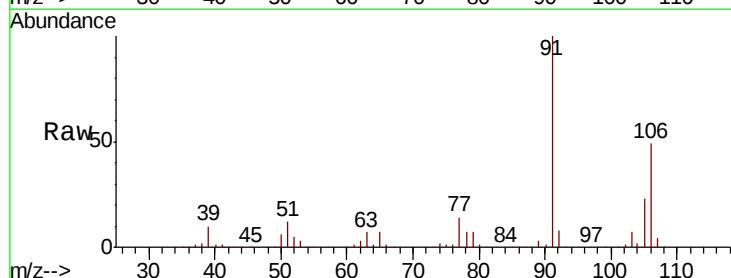
Manual Integrations
APPROVED

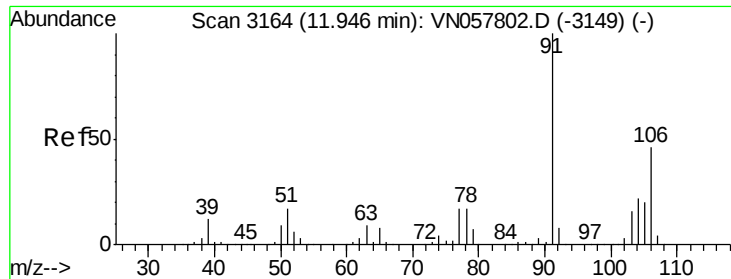
MMDadoda
9/13/2019 5:17:05 AM



#68
m/p-Xylenes
Concen: 97.120 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057807.D
Acq: 9 Sep 2019 17:38

Tgt Ion: 106 Resp: 1040060
Ion Ratio Lower Upper
106 100
91 206.4 165.8 248.6





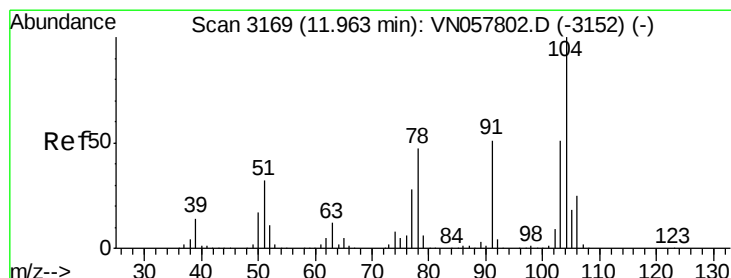
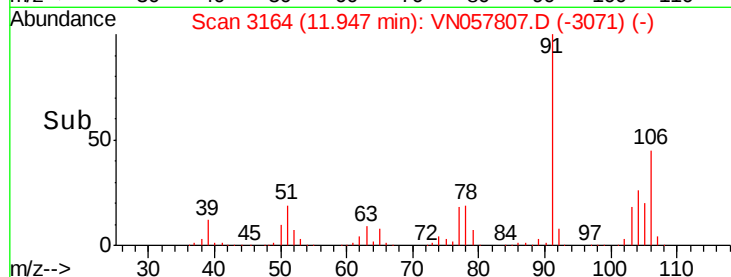
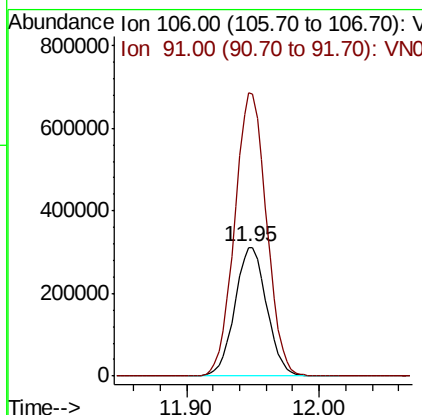
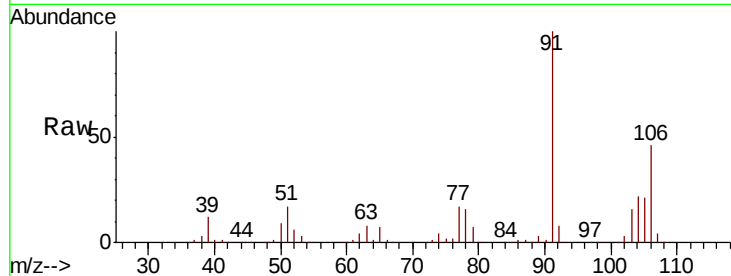
#69
o-Xylene
Concen: 48.820 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057807.D
Acq: 9 Sep 2019 17:38

Instrument :
MSVOA_N
ClientSampled :
ICVVN091019

Tot Ion:106 Resp: 519757
Ion Ratio Lower Upper
106 100
91 219.8 108.7 326.1

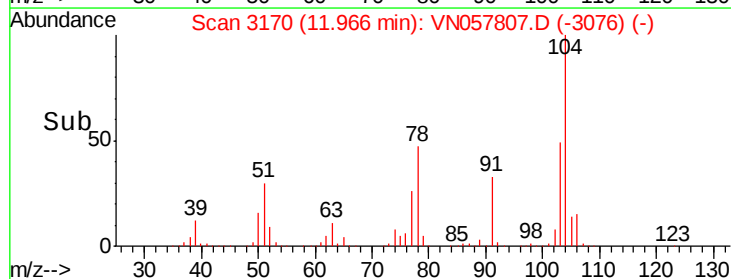
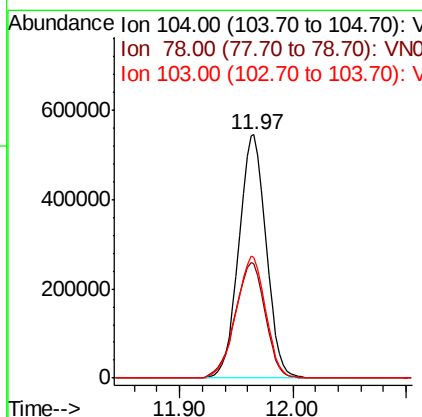
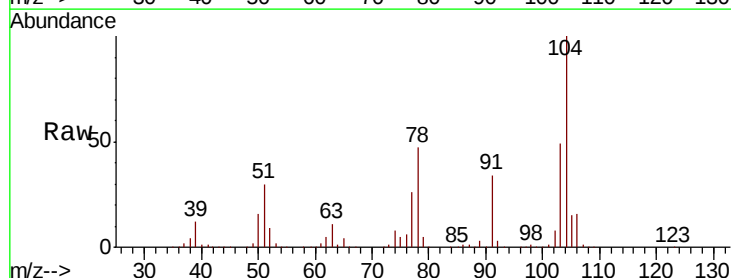
Manual Integrations
APPROVED

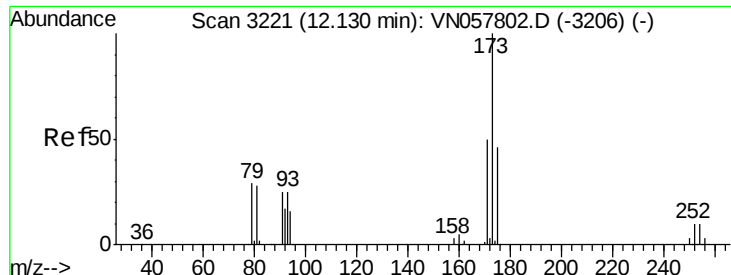
MMDadoda
9/13/2019 5:17:05 AM



#70
Styrene
Concen: 50.125 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057807.D
Acq: 9 Sep 2019 17:38

Tgt Ion:104 Resp: 918409
Ion Ratio Lower Upper
104 100
78 52.4 41.3 61.9
103 54.2 43.7 65.5





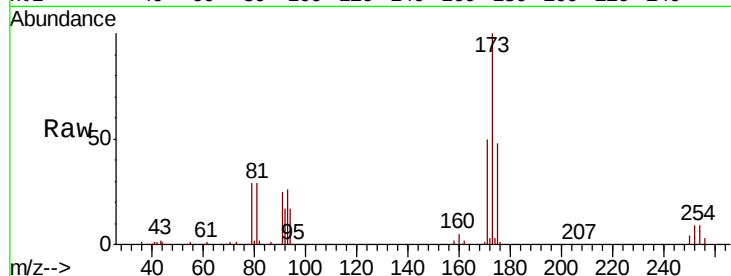
#71
Bromoform
Concen: 53.132 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN057807.D
Acq: 9 Sep 2019 17:38

Instrument :
MSVOA_N
ClientSampled :
ICVVN091019

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	23.5	70.6
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
9/13/2019 5:17:05 AM

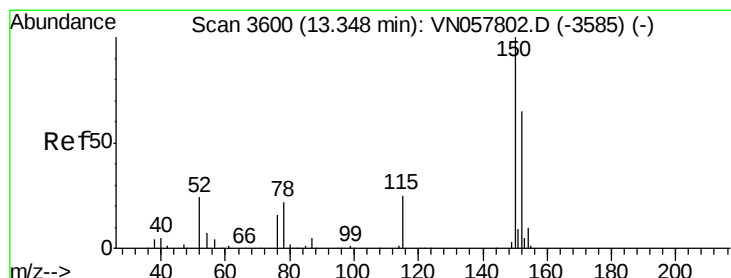
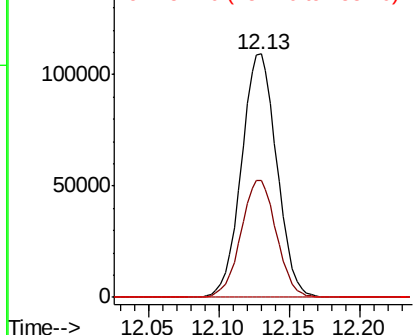
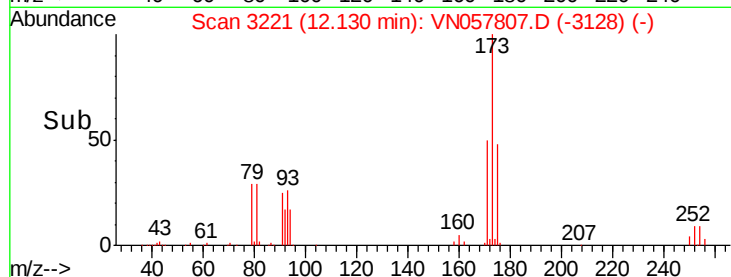


Abundance

Ion 172.70 (172.40 to 173.40): V

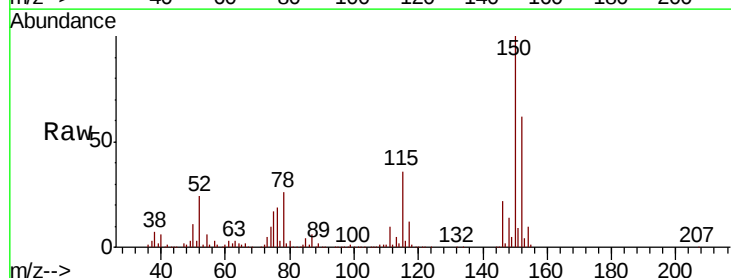
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057807.D
Acq: 9 Sep 2019 17:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.2	30.3	91.0
150	173.2	0.0	352.4

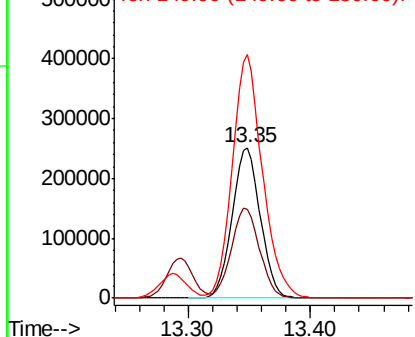
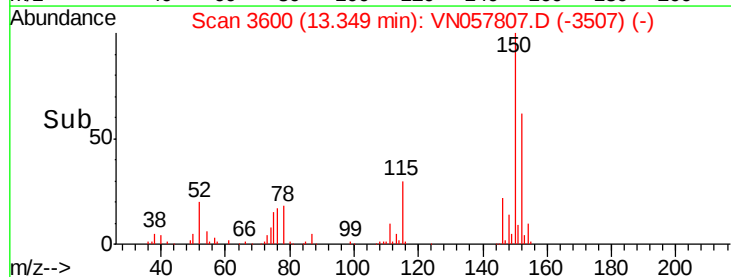


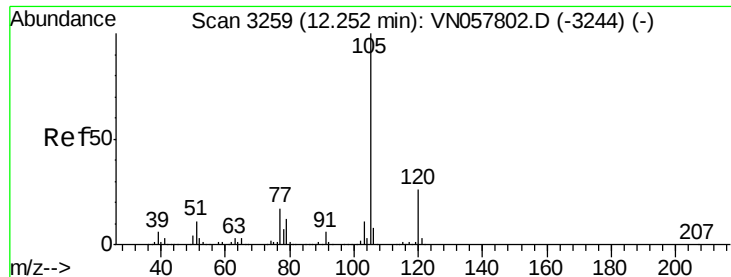
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.496 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057807.D

Acq: 9 Sep 2019 17:38

Instrument :

MSVOA_N

ClientSampleId :

ICVVN091019

Tot Ion:105 Resp: 1451144

Ion Ratio Lower Upper

105 100

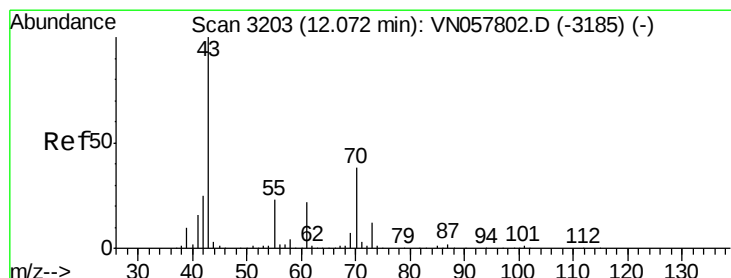
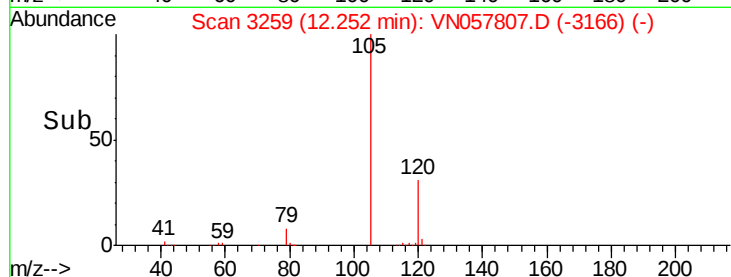
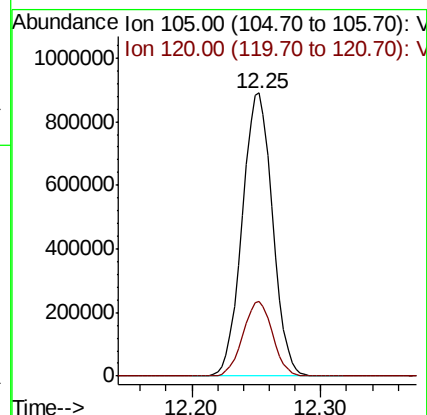
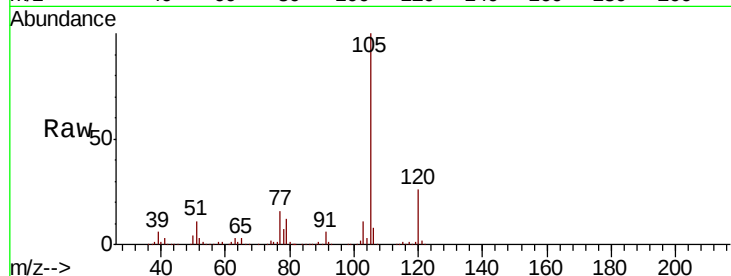
120 25.9 12.8 38.4

Manual Integrations

APPROVED

MMDadoda

9/13/2019 5:17:05 AM



#74

N-ethyl acetate

Concen: 46.926 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057807.D

Acq: 9 Sep 2019 17:38

Tgt Ion: 43 Resp: 637386

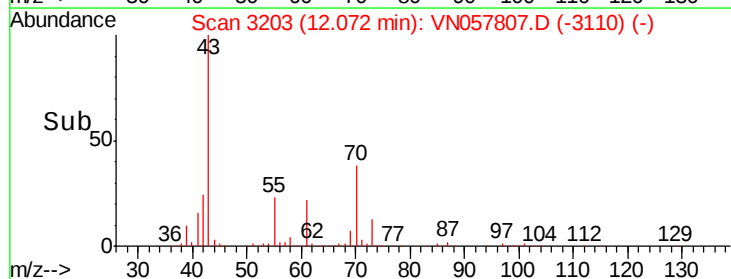
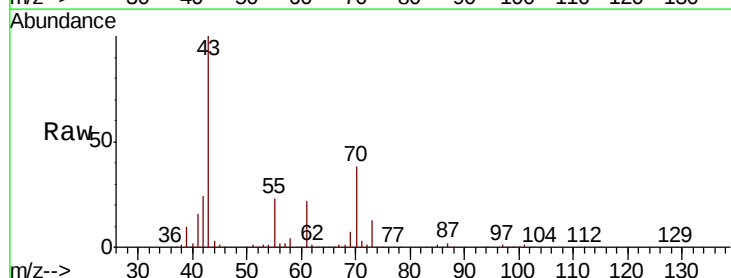
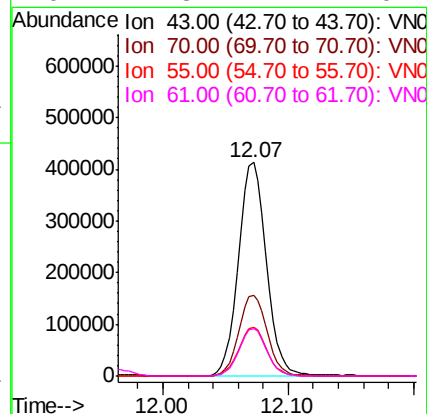
Ion Ratio Lower Upper

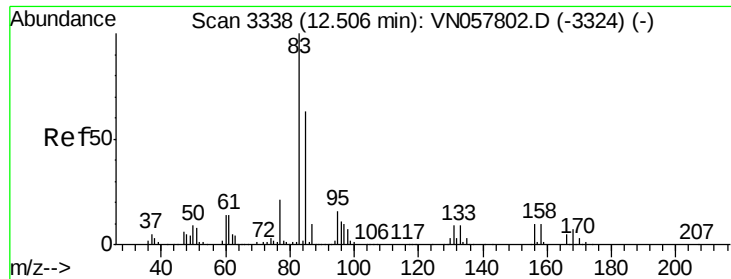
43 100

70 38.7 30.6 45.8

55 23.3 18.6 27.8

61 22.3 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 43.905 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057807.D

Acq: 9 Sep 2019 17:38

Instrument :

MSVOA_N

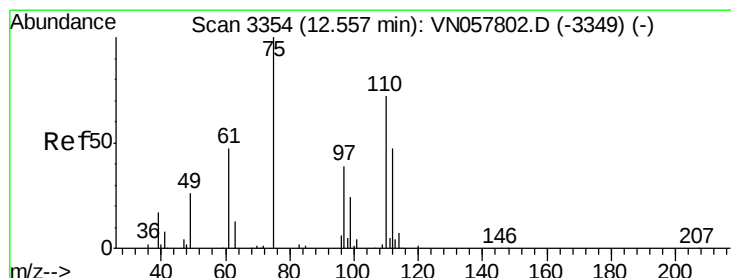
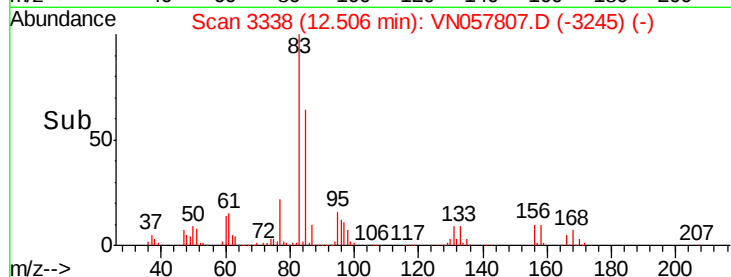
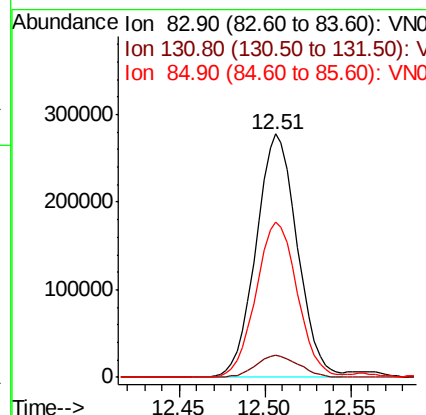
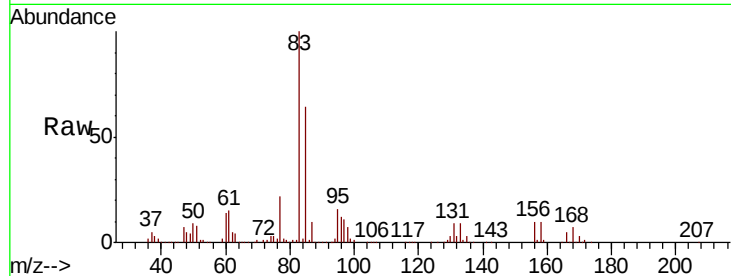
ClientSampleId :

ICVVN091019

Tot Ion:	83	Resp:	461375
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.8	14.3
85	64.0	31.6	94.7

Manual Integrations
APPROVED

MMDadoda
9/13/2019 5:17:05 AM



#76

1,2,3-Trichloropropane

Concen: 40.996 ug/l m

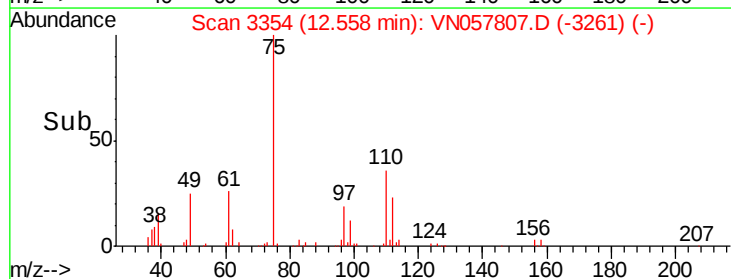
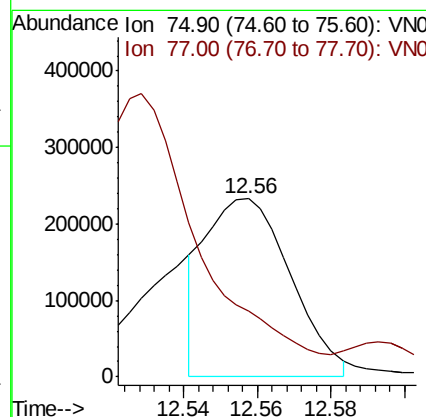
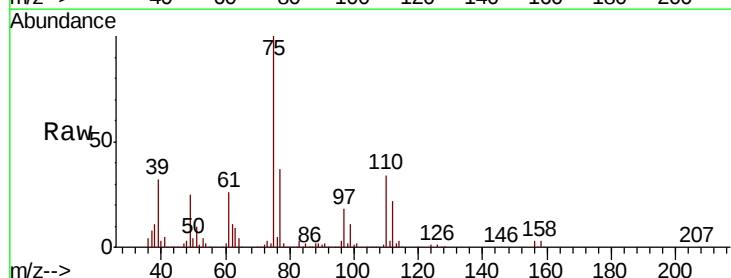
RT: 12.56 min Scan# 3354

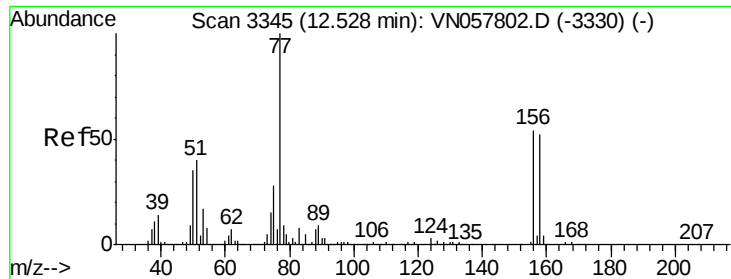
Delta R.T. 0.00 min

Lab File: VN057807.D

Acq: 9 Sep 2019 17:38

Tgt Ion:	75	Resp:	373013
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 43.161 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057807.D

Acq: 9 Sep 2019 17:38

Instrument :

MSVOA_N

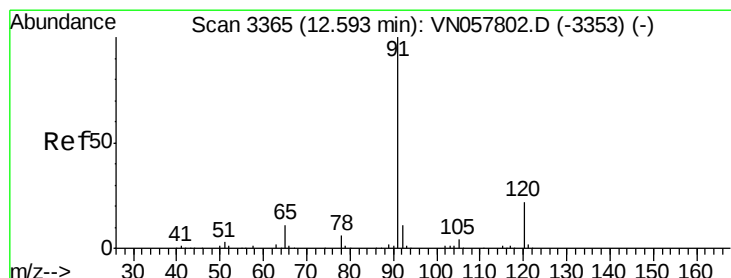
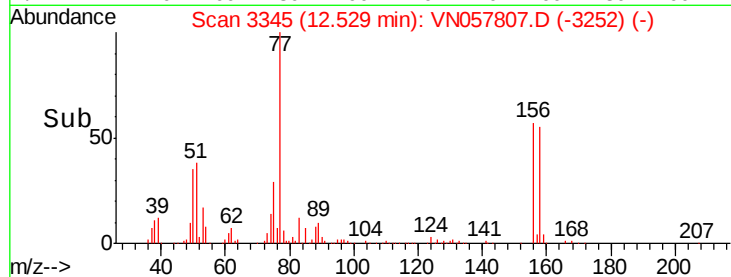
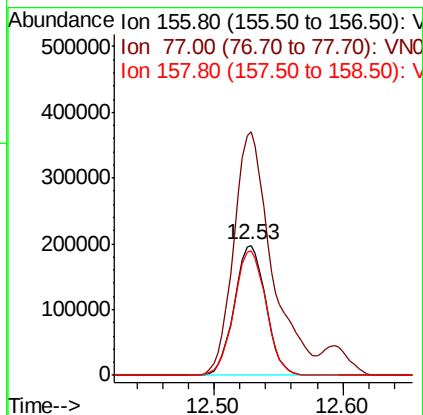
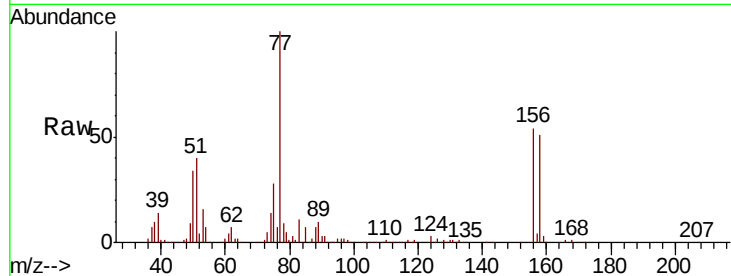
ClientSampled :

ICVVN091019

Tot Ion	Ratio	Lower	Upper
156	100		
77	227.1	113.7	341.1
158	97.3	48.5	145.6

Manual Integrations
APPROVED

MMDadoda
9/13/2019 5:17:05 AM



#78

n-propylbenzene

Concen: 47.399 ug/l

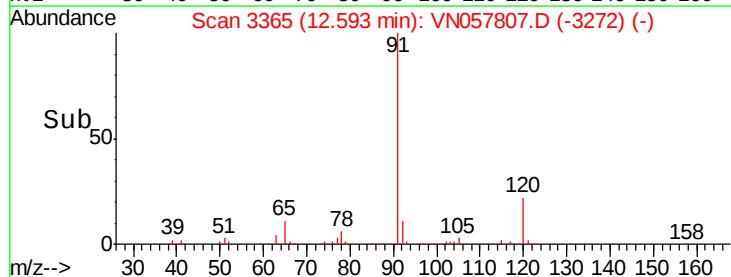
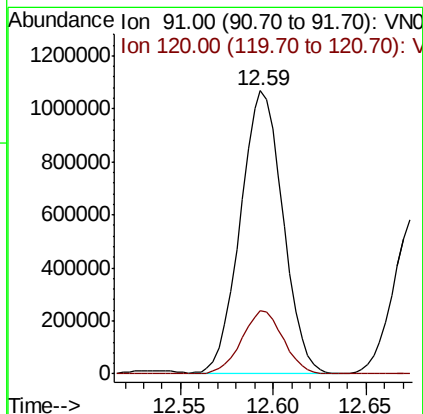
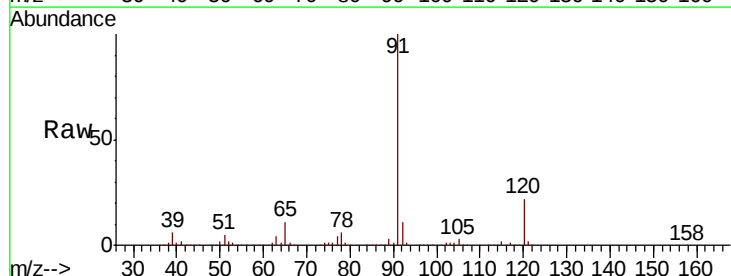
RT: 12.59 min Scan# 3365

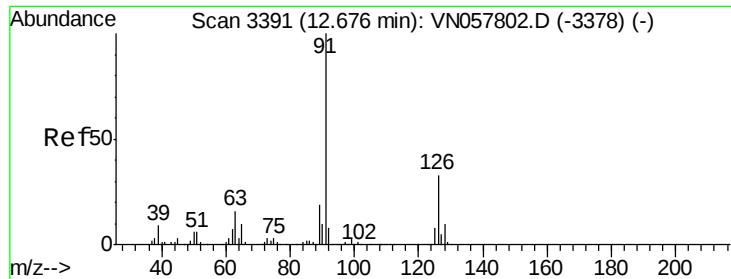
Delta R.T. 0.00 min

Lab File: VN057807.D

Acq: 9 Sep 2019 17:38

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.1	33.1





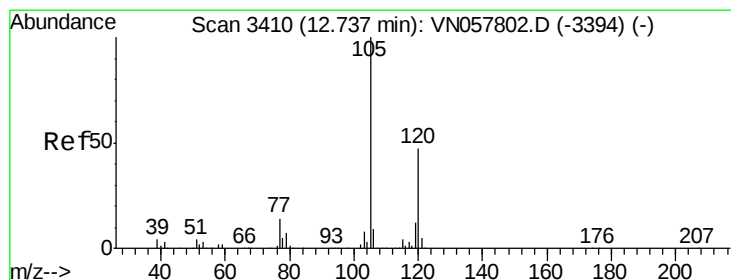
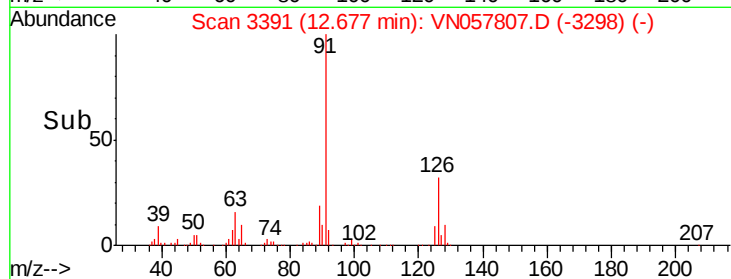
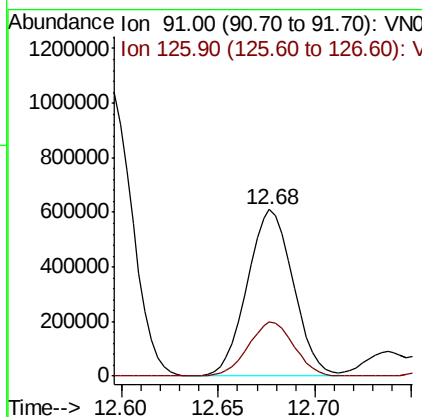
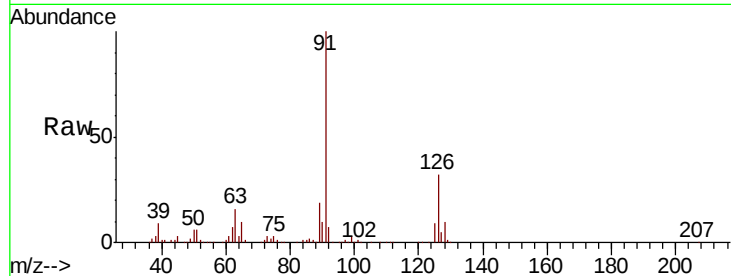
#79
 2-Chlorotoluene
 Concen: 44.492 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN057807.D
 Acq: 9 Sep 2019 17:38

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN091019

Tot Ion: 91 Resp: 1007806
 Ion Ratio Lower Upper
 91 100
 126 32.5 16.4 49.2

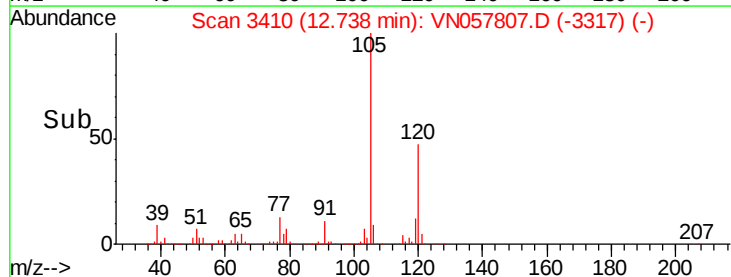
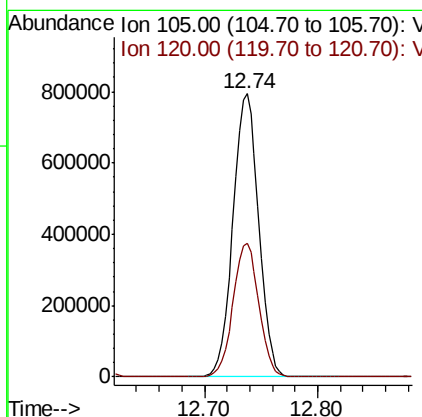
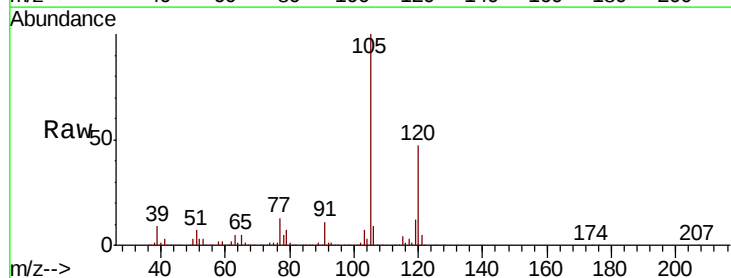
Manual Integrations
 APPROVED

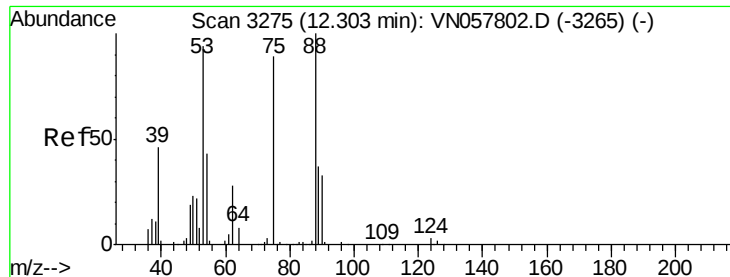
MMDadoda
 9/13/2019 5:17:05 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 47.499 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN057807.D
 Acq: 9 Sep 2019 17:38

Tgt Ion: 105 Resp: 1252580
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 48.137 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057807.D

Acq: 9 Sep 2019 17:38

Instrument :

MSVOA_N

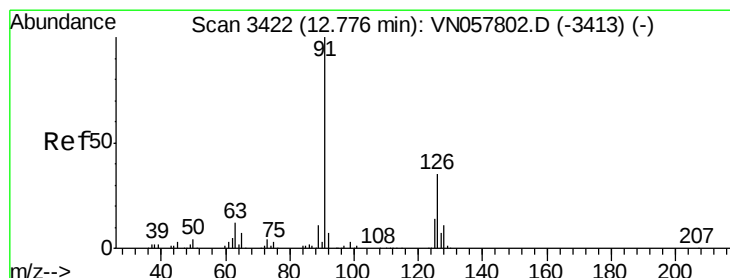
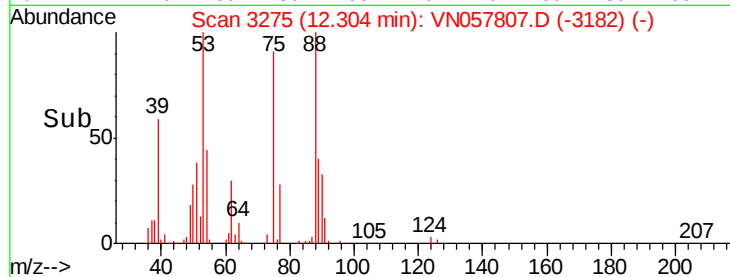
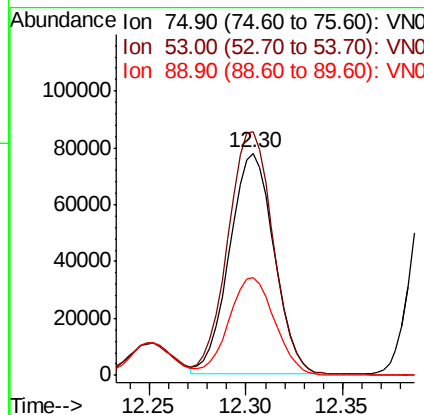
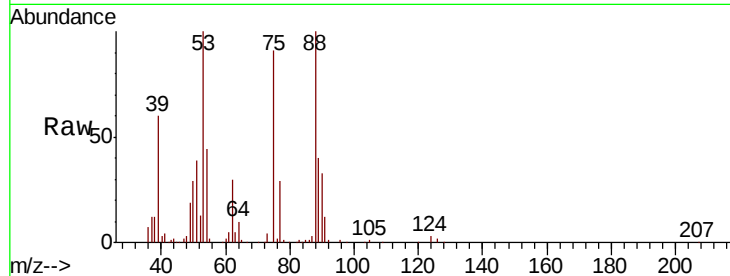
ClientSampleId :

ICVVN091019

Tot Ion:	75	Resp:	124463
Ion	Ratio	Lower	Upper
75	100		
53	111.0	88.4	132.6
89	45.6	35.3	52.9

Manual Integrations
APPROVED

MMDadoda
9/13/2019 5:17:05 AM



#82

4-Chlorotoluene

Concen: 45.813 ug/l

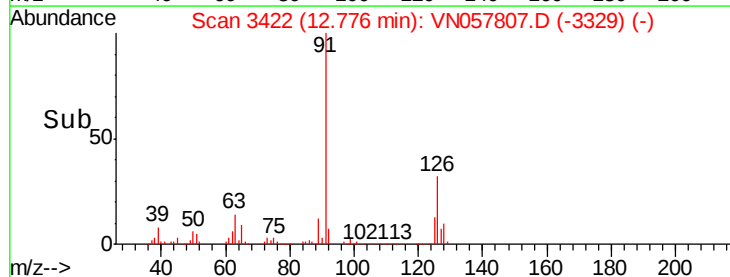
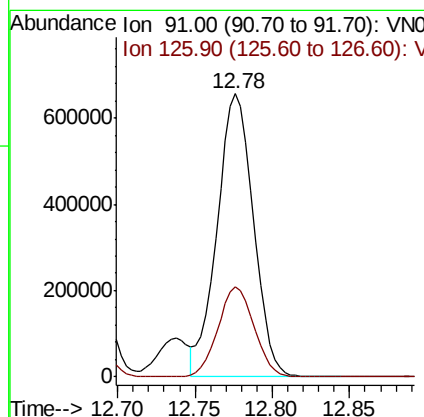
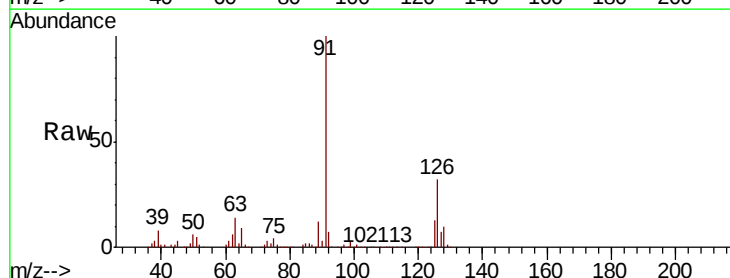
RT: 12.78 min Scan# 3422

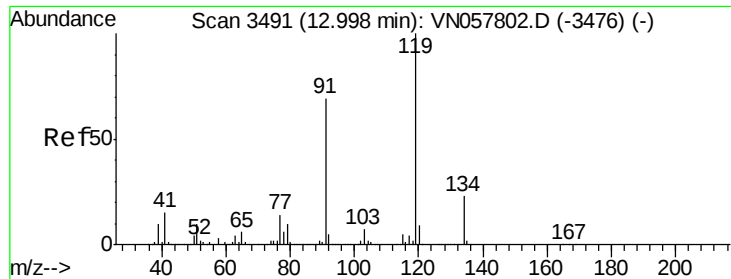
Delta R.T. 0.00 min

Lab File: VN057807.D

Acq: 9 Sep 2019 17:38

Tgt Ion:	91	Resp:	1065674
Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.0	48.0





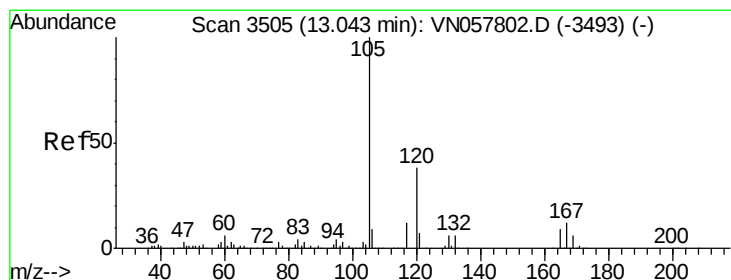
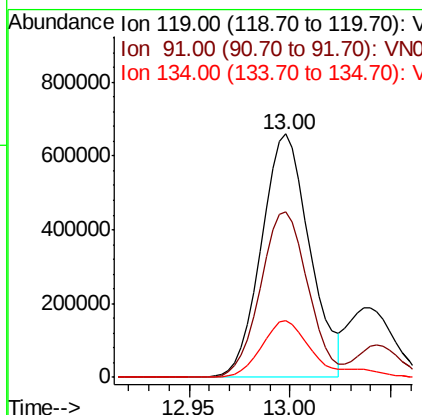
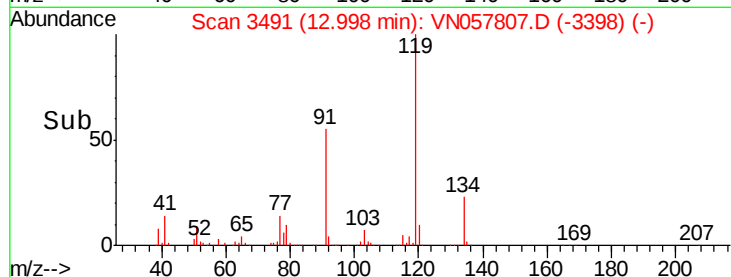
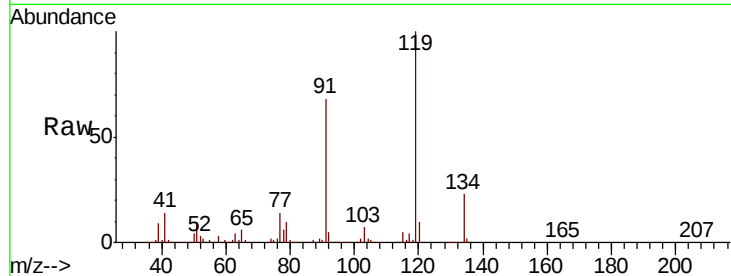
#83
 tert-Butylbenzene
 Concen: 46.912 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN057807.D
 Acq: 9 Sep 2019 17:38

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091019

Tot Ion:119 Resp: 1099677
 Ion Ratio Lower Upper
 119 100
 91 67.2 33.6 100.8
 134 23.1 11.7 35.0

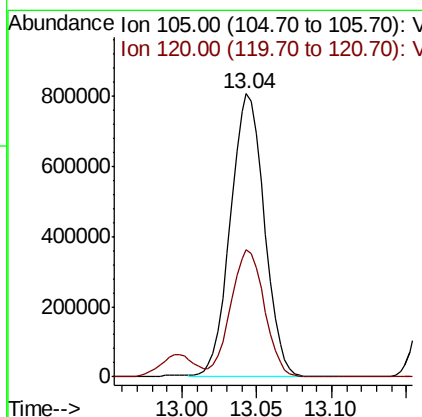
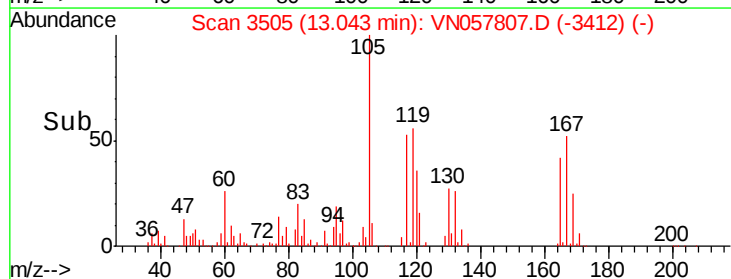
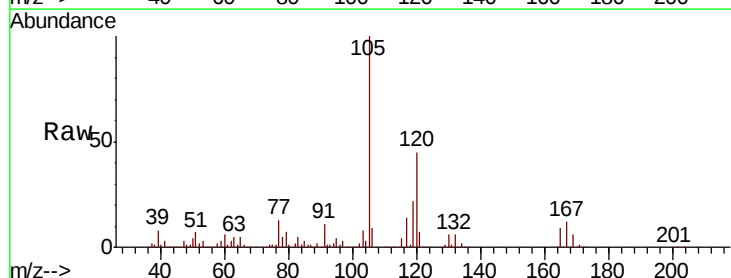
Manual Integrations
 APPROVED

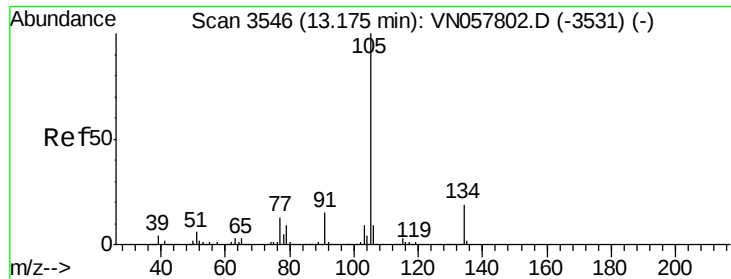
MMDadoda
 9/13/2019 5:17:05 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 47.390 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057807.D
 Acq: 9 Sep 2019 17:38

Tgt Ion:105 Resp: 1270154
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.4 67.2





#85

sec-Butylbenzene

Concen: 48.379 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057807.D

Acq: 9 Sep 2019 17:38

Instrument :

MSVOA_N

ClientSampleId :

ICVVN091019

Tot Ion:105 Resp: 1503113

Ion Ratio Lower Upper

105 100

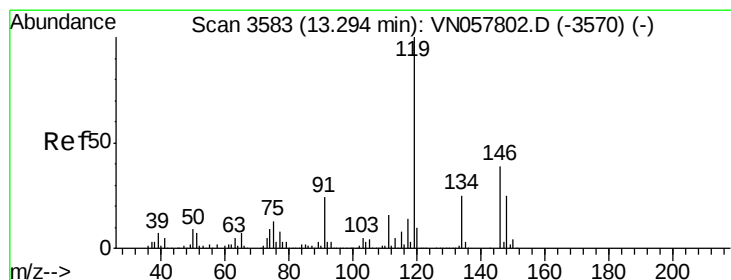
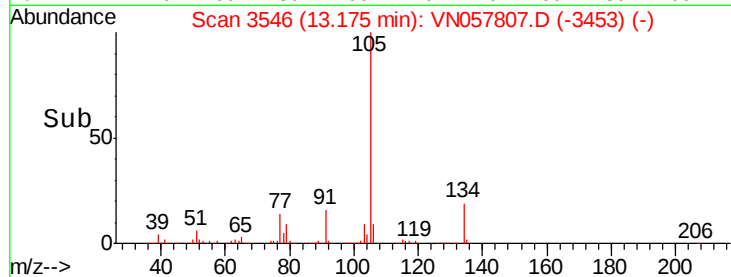
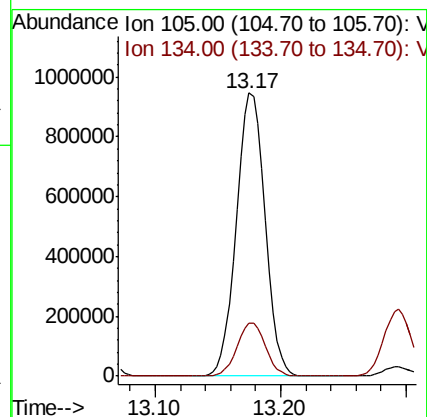
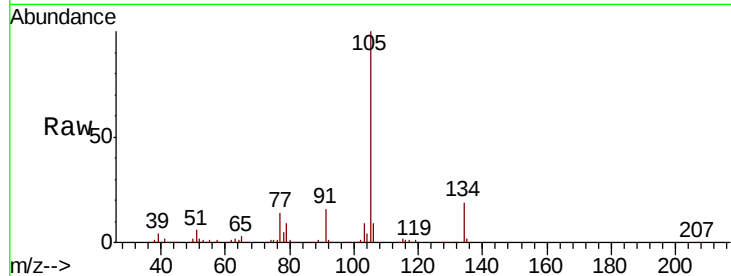
134 18.8 9.6 28.6

Manual Integrations

APPROVED

MMDadoda

9/13/2019 5:17:05 AM



#86

p-Isopropyltoluene

Concen: 49.163 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN057807.D

Acq: 9 Sep 2019 17:38

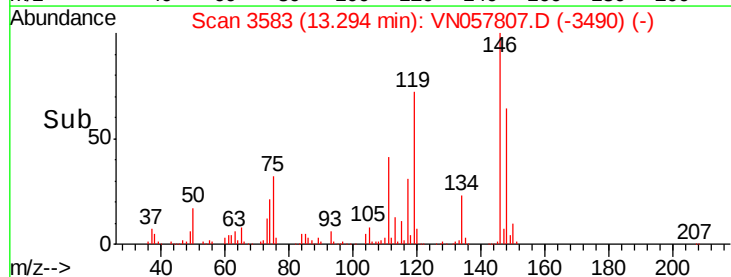
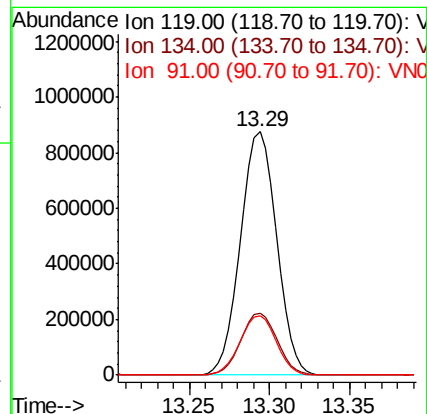
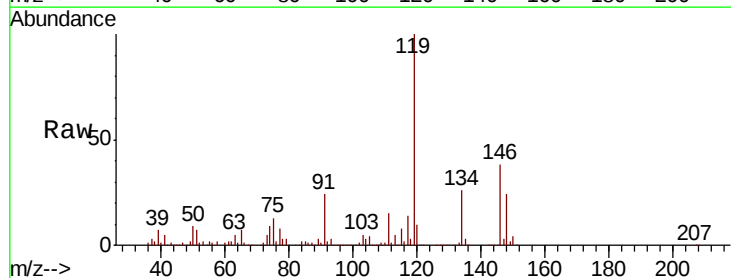
Tgt Ion:119 Resp: 1345868

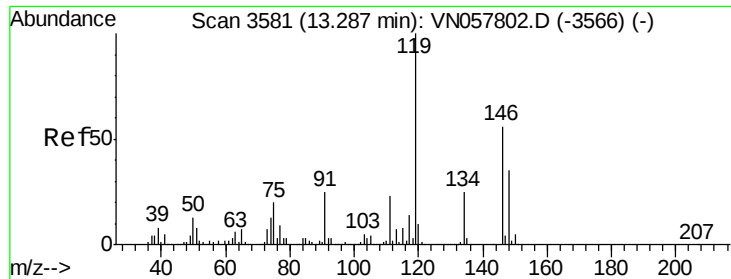
Ion Ratio Lower Upper

119 100

134 25.5 12.5 37.5

91 24.5 12.3 36.8





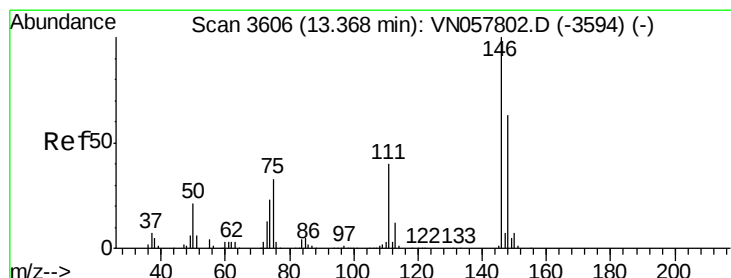
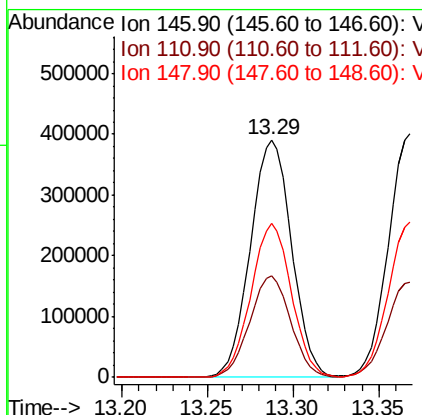
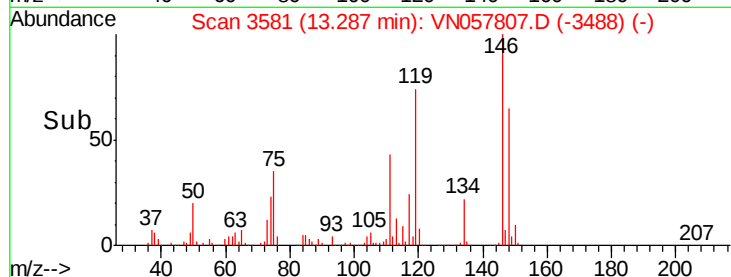
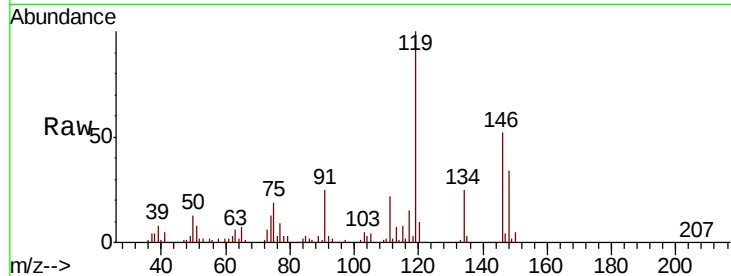
#87
 1,3-Dichlorobenzene
 Concen: 45.532 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057807.D
 Acq: 9 Sep 2019 17:38

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN091019

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.5	61.6
148	63.6	31.5	94.5

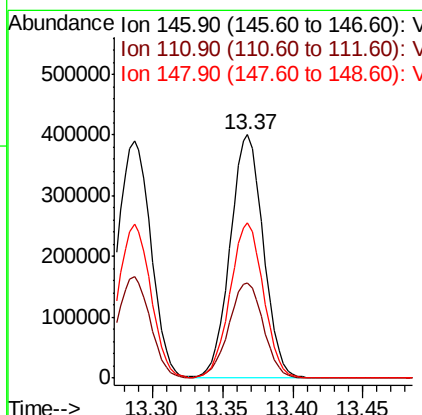
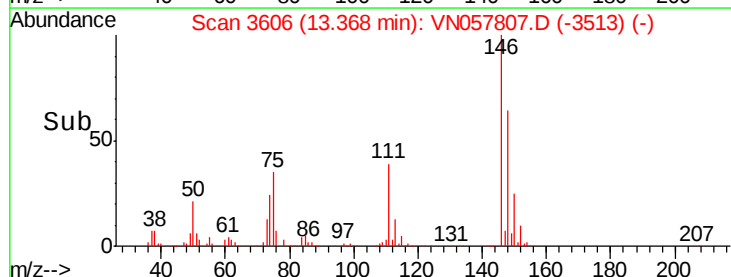
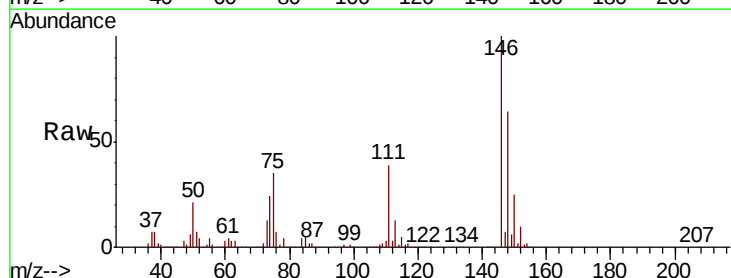
Manual Integrations
 APPROVED

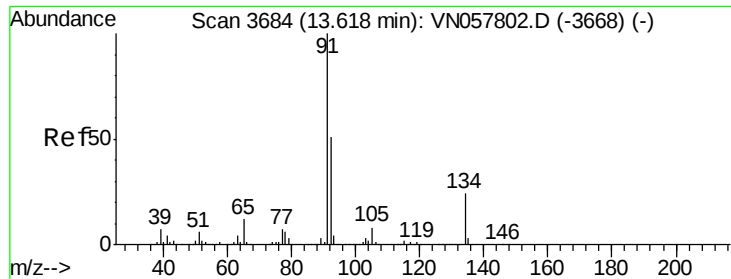
MMDadoda
 9/13/2019 5:17:05 AM



#88
 1,4-Dichlorobenzene
 Concen: 45.303 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057807.D
 Acq: 9 Sep 2019 17:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.4	61.2
148	64.2	31.8	95.4





#89

n-Butylbenzene

Concen: 48.795 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN057807.D

Acq: 9 Sep 2019 17:38

Instrument :

MSVOA_N

ClientSampled :

ICVVN091019

Tot Ion: 91 Resp: 1261468

Ion Ratio Lower Upper

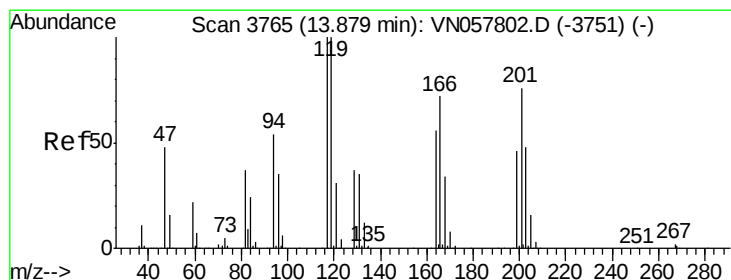
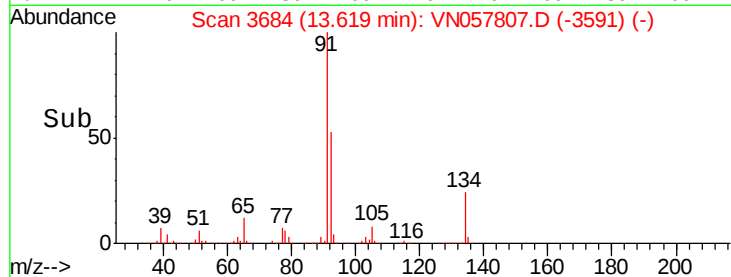
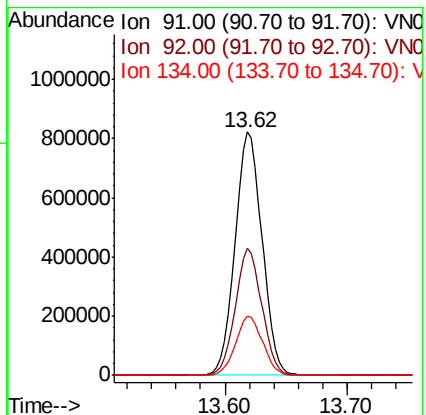
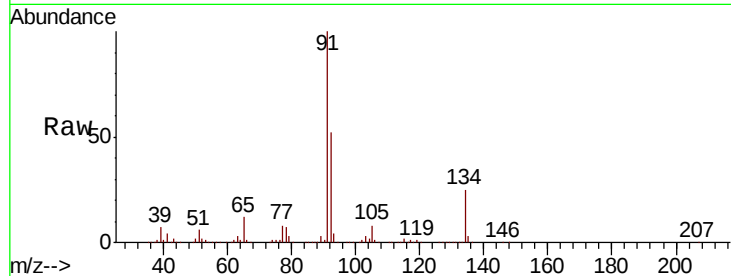
91 100

92 51.1 25.7 77.0

134 24.4 11.9 35.7

Manual Integrations
APPROVED

MMDadoda
9/13/2019 5:17:05 AM



#90

Hexachloroethane

Concen: 50.369 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN057807.D

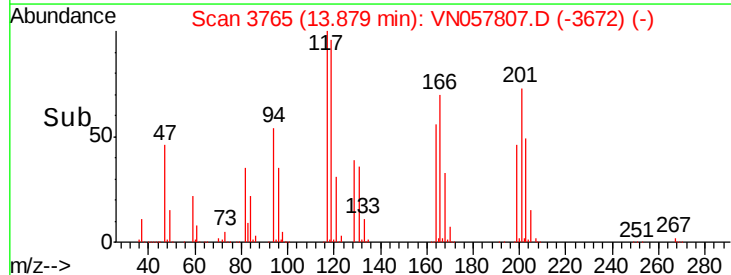
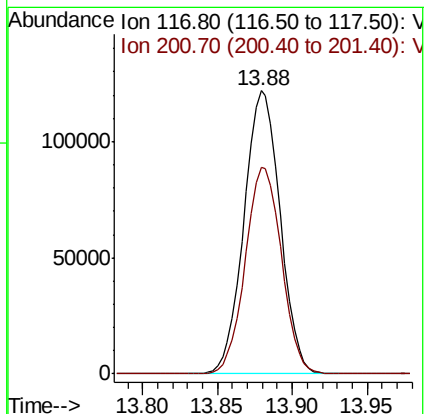
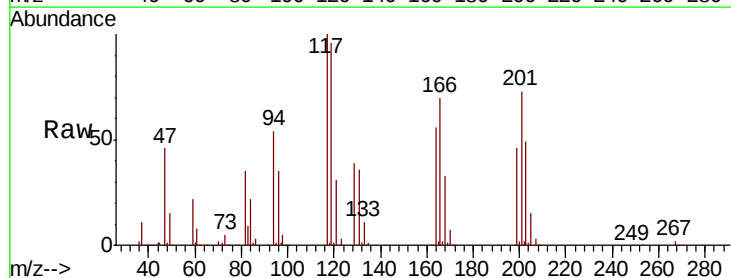
Acq: 9 Sep 2019 17:38

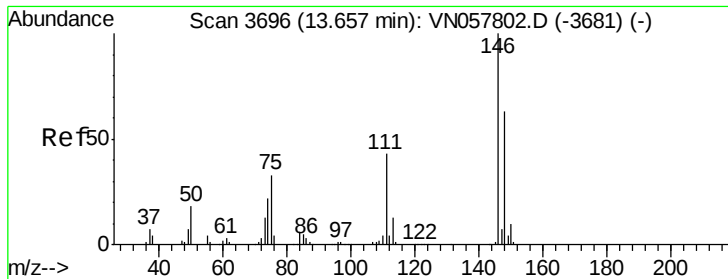
Tgt Ion: 117 Resp: 205066

Ion Ratio Lower Upper

117 100

201 73.0 37.5 112.7





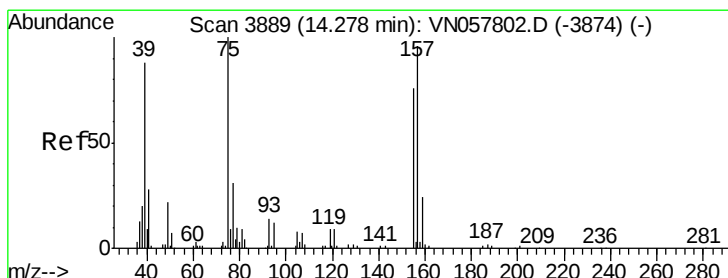
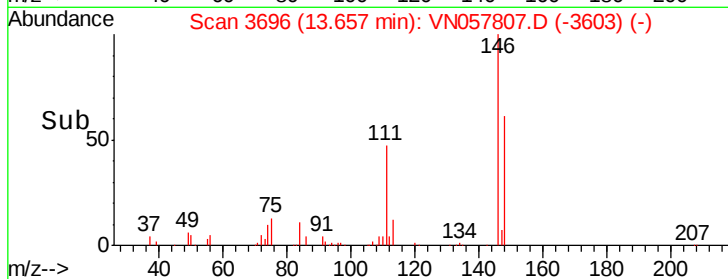
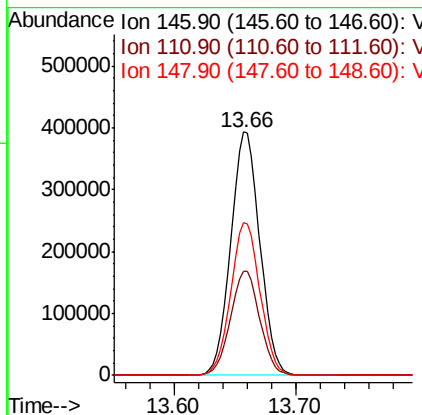
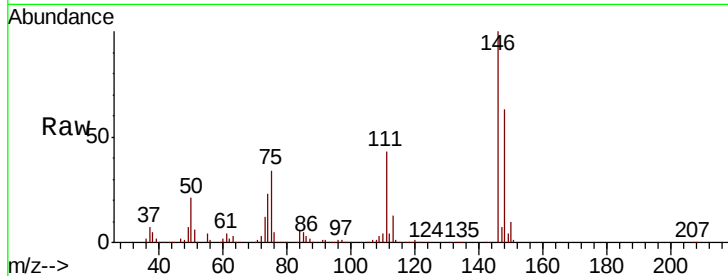
#91
 1,2-Dichlorobenzene
 Concen: 45.744 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057807.D
 Acq: 9 Sep 2019 17:38

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN091019

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.3	63.9
148	63.2	31.4	94.3

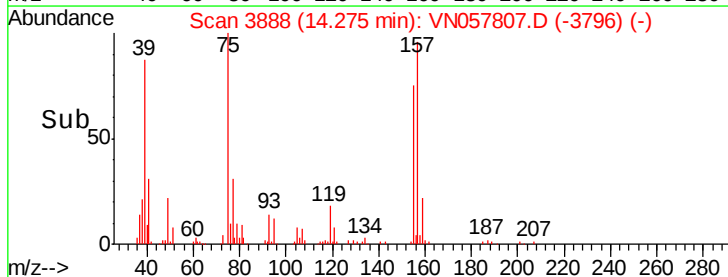
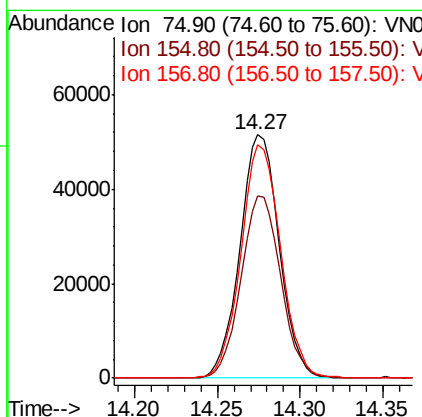
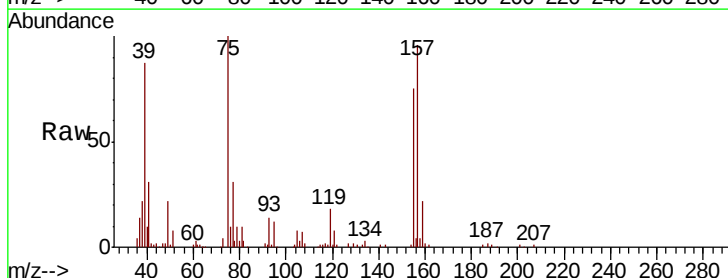
Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 5:17:05 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.139 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN057807.D
 Acq: 9 Sep 2019 17:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.5	37.3	111.8
157	96.8	47.9	143.8





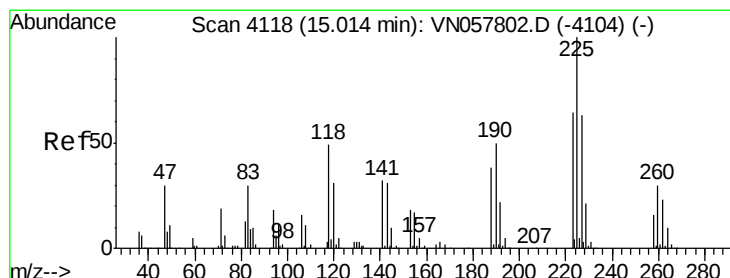
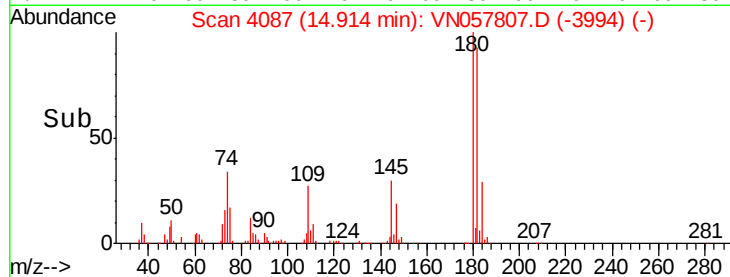
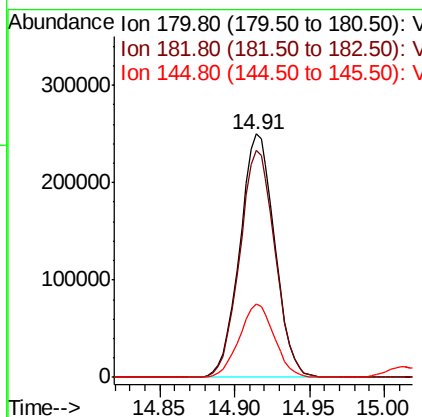
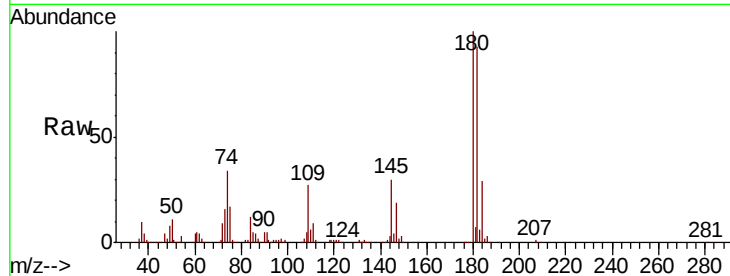
#93
 1,2,4-Trichlorobenzene
 Concen: 43.461 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057807.D
 Acq: 9 Sep 2019 17:38

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091019

Tot Ion:	180	Resp:	405344
Ion Ratio	Lower	Upper	
180	100		
182	94.3	46.9	140.8
145	30.2	14.9	44.7

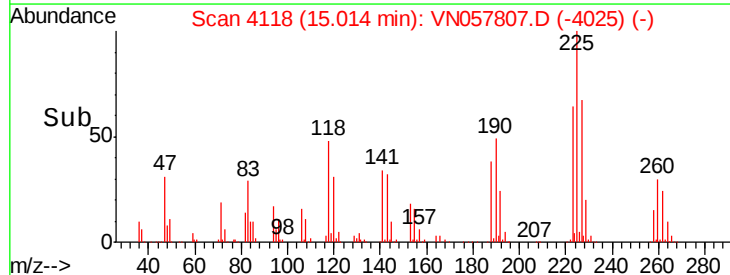
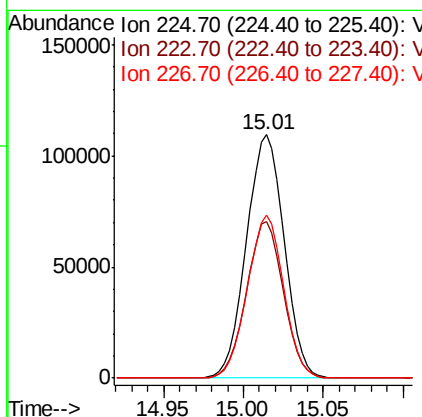
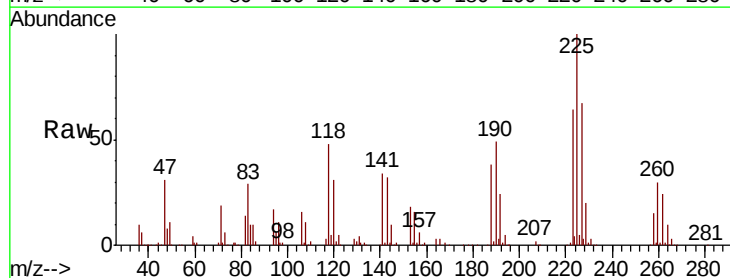
Manual Integrations
 APPROVED

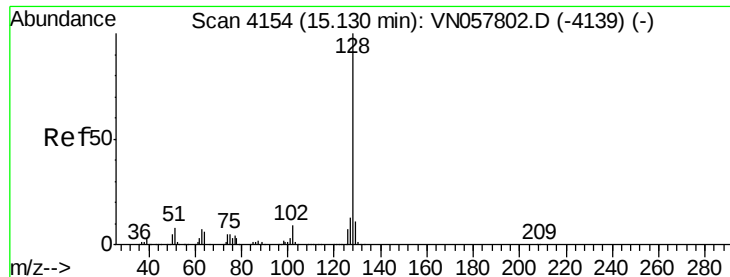
MMDadoda
 9/13/2019 5:17:05 AM



#94
 Hexachlorobutadiene
 Concen: 44.613 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057807.D
 Acq: 9 Sep 2019 17:38

Tgt Ion:	225	Resp:	176379
Ion Ratio	Lower	Upper	
225	100		
223	62.8	32.4	97.2
227	64.3	31.8	95.4





#95

Naphthalene

Concen: 49.361 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057807.D

Acq: 9 Sep 2019 17:38

Instrument :

MSVOA_N

ClientSampleId :

ICVVN091019

Tot Ion:128 Resp: 1162705

Ion Ratio Lower Upper

128 100

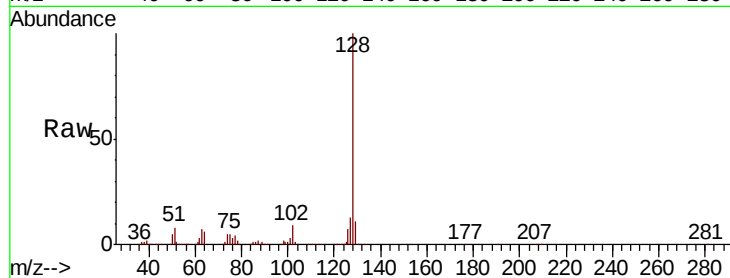
127 13.0 10.3 15.5

129 10.6 8.6 12.8

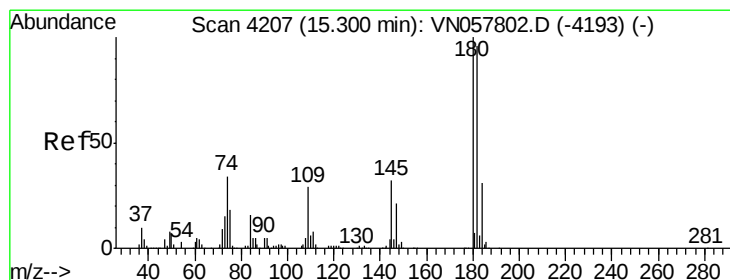
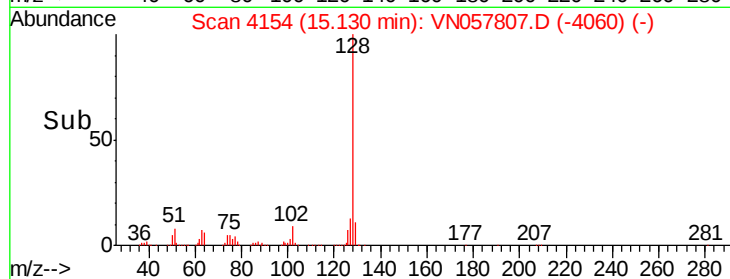
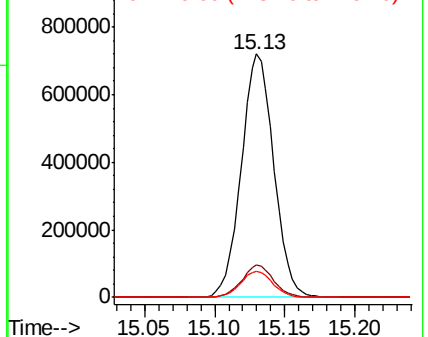
Manual Integrations
APPROVED

MMDadoda

9/13/2019 5:17:05 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 46.513 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN057807.D

Acq: 9 Sep 2019 17:38

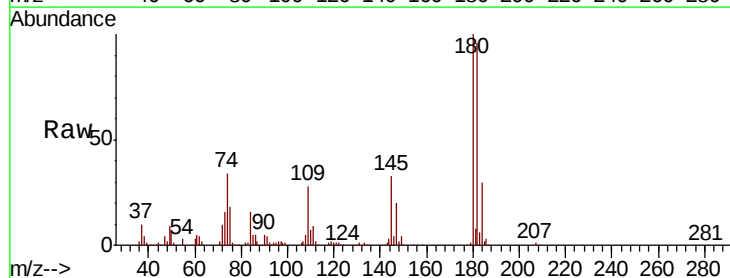
Tgt Ion:180 Resp: 378133

Ion Ratio Lower Upper

180 100

182 94.7 48.3 144.8

145 32.6 16.3 48.8



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

