

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092019\
 Data File : VN058251.D
 Acq On : 20 Sep 2019 15:36
 Operator : JC/SP
 Sample : VN0920WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/23/2019 3:30:22 PM

Quant Time: Sep 21 01:46:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	442231	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	749567	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	671366	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	324180	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	332917	54.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.10%	
35) Dibromofluoromethane	7.58	113	237670	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
50) Toluene-d8	10.08	98	932862	52.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.08%	
62) 4-Bromofluorobenzene	12.41	95	334967	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	68793	18.936	ug/l	99
3) Chloromethane	2.04	50	59266	20.556	ug/l	98
4) Vinyl Chloride	2.17	62	61777	19.624	ug/l	98
5) Bromomethane	2.55	94	31895	20.115	ug/l	98
6) Chloroethane	2.69	64	43525	21.180	ug/l	99
7) Trichlorofluoromethane	3.00	101	95532	19.266	ug/l	99
8) Diethyl Ether	3.39	74	45935	20.218	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	70828	19.811	ug/l	99
10) Methyl Iodide	3.93	142	53892	17.990	ug/l	99
11) Tert butyl alcohol	4.76	59	80352	109.669	ug/l	99
12) 1,1-Dichloroethene	3.72	96	54398	19.835	ug/l	95
13) Acrolein	3.59	56	11254	103.647	ug/l	98
14) Allyl chloride	4.30	41	113710	19.437	ug/l	98
15) Acrylonitrile	4.96	53	217094	111.213	ug/l	100
16) Acetone	3.80	43	219847	105.152	ug/l	100
17) Carbon Disulfide	4.03	76	67304	17.799	ug/l #	95
18) Methyl Acetate	4.30	43	116965	21.261	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	284136	21.072	ug/l	97
20) Methylene Chloride	4.53	84	77231	20.970	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	60238	20.134	ug/l	98
22) Diisopropyl ether	5.93	45	306889	20.652	ug/l	97
23) Vinyl Acetate	5.88	43	1102494	108.424	ug/l	99
24) 1,1-Dichloroethane	5.83	63	163351	20.596	ug/l	99
25) 2-Butanone	6.82	43	311573	109.385	ug/l	97
26) 2,2-Dichloropropane	6.81	77	128001	19.023	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	89979	20.064	ug/l	99
28) Bromochloromethane	7.17	49	84303	22.469	ug/l	98
29) Tetrahydrofuran	7.19	42	192076	109.474	ug/l	99
30) Chloroform	7.36	83	172075	20.156	ug/l	99
31) Cyclohexane	7.64	56	108716	19.745	ug/l #	93
32) 1,1,1-Trichloroethane	7.55	97	132093	20.324	ug/l	99
36) 1,1-Dichloropropene	7.78	75	98206	18.168	ug/l	98
37) Ethyl Acetate	6.91	43	114054	20.332	ug/l	99
38) Carbon Tetrachloride	7.76	117	103340	19.018	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092019\
 Data File : VN058251.D
 Acq On : 20 Sep 2019 15:36
 Operator : JC/SP
 Sample : VN0920WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0920WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/23/2019 3:30:22 PM

Quant Time: Sep 21 01:46:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	100127	19.202	ug/l	96
40) Benzene	8.03	78	324101	19.630	ug/l	100
41) Methacrylonitrile	7.16	41	59755m	21.670	ug/l	
42) 1,2-Dichloroethane	8.11	62	138733	20.026	ug/l	100
43) Isopropyl Acetate	8.15	43	209144	19.963	ug/l	100
44) Trichloroethene	8.83	130	79955	19.790	ug/l	99
45) 1,2-Dichloropropane	9.11	63	100997	20.484	ug/l	98
46) Dibromomethane	9.20	93	62700	20.916	ug/l	96
47) Bromodichloromethane	9.40	83	129656	20.645	ug/l	99
48) Methyl methacrylate	9.19	41	99503	20.918	ug/l	99
49) 1,4-Dioxane	9.19	88	33660	430.991	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	665090	119.518	ug/l	99
52) Toluene	10.15	92	202442	19.565	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	126381	19.646	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	141336	19.899	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	94888	20.665	ug/l	98
56) Ethyl methacrylate	10.43	69	139285	21.024	ug/l	99
57) 1,3-Dichloropropane	10.71	76	163229	20.678	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	356743	113.045	ug/l	99
59) 2-Hexanone	10.75	43	484433	117.214	ug/l	97
60) Dibromochloromethane	10.90	129	88854	20.114	ug/l	99
61) 1,2-Dibromoethane	11.00	107	87181	20.487	ug/l	99
64) Tetrachloroethene	10.63	164	60232	18.404	ug/l	98
65) Chlorobenzene	11.43	112	234865	19.889	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	88481	20.664	ug/l	99
67) Ethyl Benzene	11.51	91	421341	20.823	ug/l	99
68) m/p-Xylenes	11.62	106	302540	39.699	ug/l	97
69) o-Xylene	11.95	106	152824	20.394	ug/l	99
70) Styrene	11.97	104	263039	20.373	ug/l	99
71) Bromoform	12.13	173	54485	19.524	ug/l #	99
73) Isopropylbenzene	12.25	105	435397	21.457	ug/l	99
74) N-amyl acetate	12.07	43	184602	21.747	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	148136	21.800	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	136153m	23.467	ug/l	
77) Bromobenzene	12.53	156	100455	19.681	ug/l	96
78) n-propylbenzene	12.60	91	502726	21.802	ug/l	99
79) 2-Chlorotoluene	12.68	91	303500	21.061	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	371320	21.640	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	31735	20.178	ug/l	84
82) 4-Chlorotoluene	12.78	91	312417	20.624	ug/l	99
83) tert-Butylbenzene	13.00	119	325182	21.251	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	380122	22.261	ug/l	99
85) sec-Butylbenzene	13.18	105	440560	22.017	ug/l	100
86) p-Isopropyltoluene	13.29	119	390258	21.938	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	195697	20.991	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	195933	20.586	ug/l	99
89) n-Butylbenzene	13.62	91	360792	21.392	ug/l	99
90) Hexachloroethane	13.88	117	58007	20.368	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	197578	21.127	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	26191	21.409	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092019\
Data File : VN058251.D
Acq On : 20 Sep 2019 15:36
Operator : JC/SP
Sample : VN0920WBS02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS02

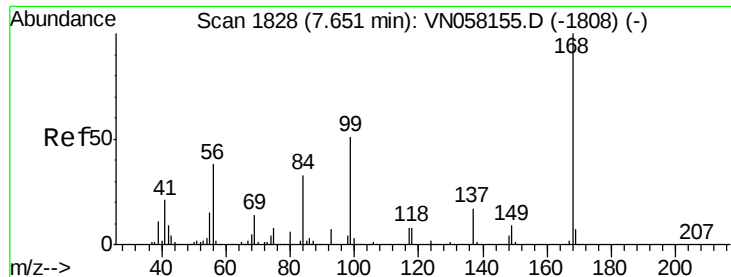
Manual Integrations
APPROVED

MMDadoda
9/23/2019 3:30:22 PM

Quant Time: Sep 21 01:46:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 19 09:27:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	118438	19.822	ug/l	99
94) Hexachlorobutadiene	15.02	225	58617	20.297	ug/l	97
95) Naphthalene	15.13	128	325260	21.005	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	115603	20.470	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBS02

Tot Ion:168 Resp: 442231

Ion Ratio Lower Upper

168 100

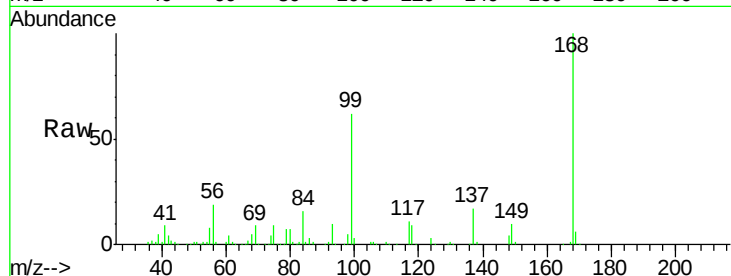
99 61.3 47.4 71.2

Manual Integrations

APPROVED

MMDadoda

9/23/2019 3:30:22 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

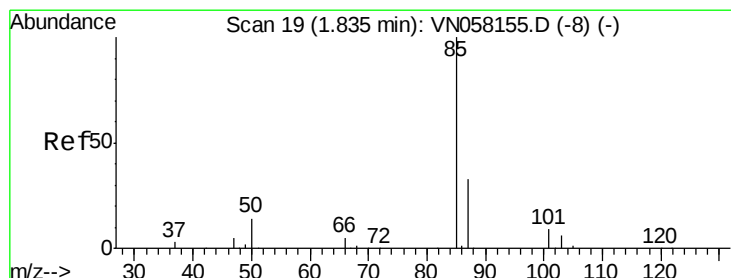
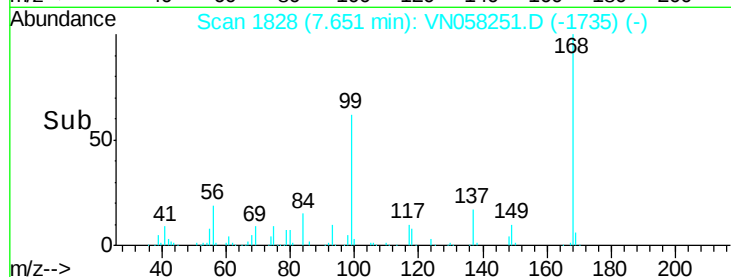
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.936 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058251.D

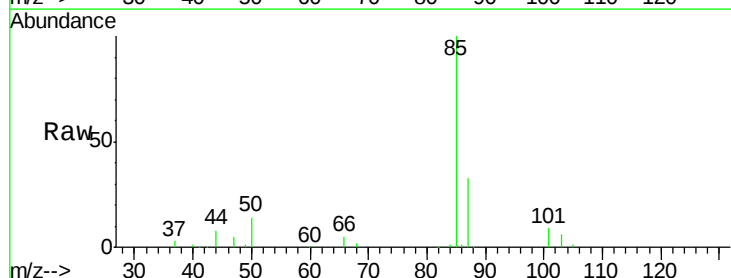
Acq: 20 Sep 2019 15:36

Tgt Ion: 85 Resp: 68793

Ion Ratio Lower Upper

85 100

87 32.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

50000

40000

30000

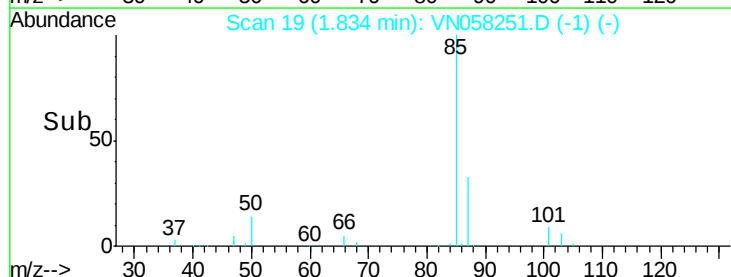
20000

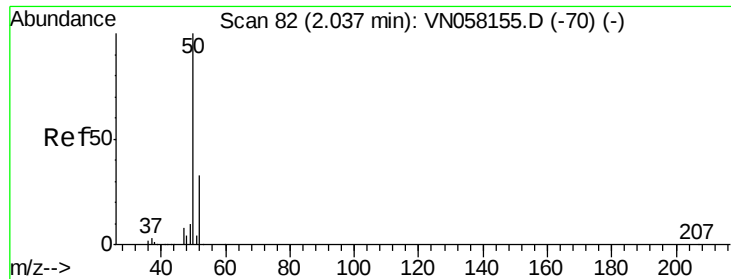
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 20.556 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBS02

Tot Ion: 50 Resp: 59266

Ion Ratio Lower Upper

50 100

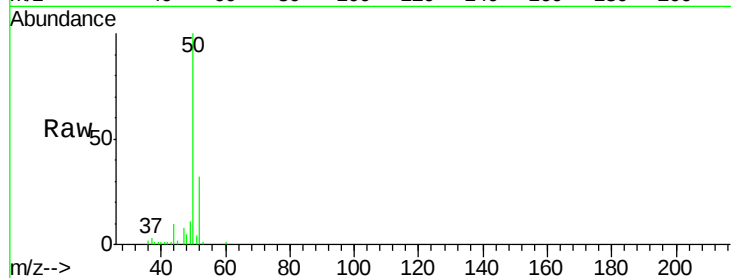
52 31.9 26.3 39.5

Manual Integrations

APPROVED

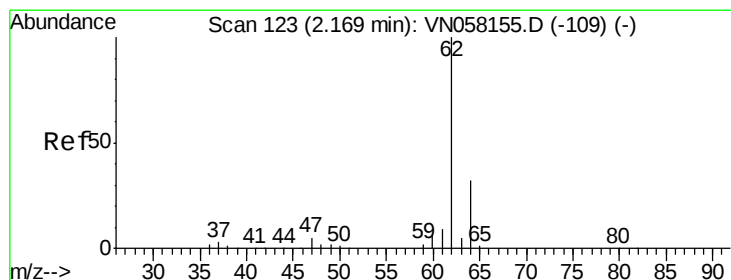
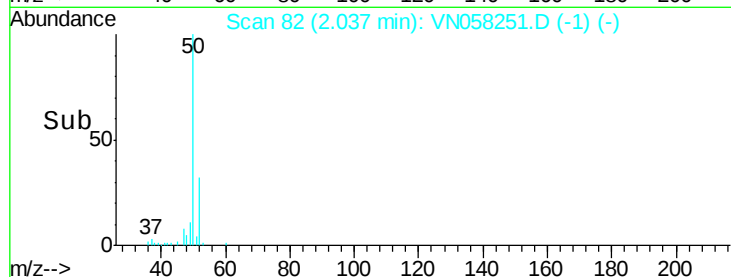
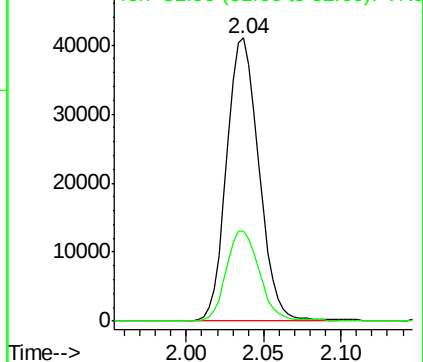
MMDadoda

9/23/2019 3:30:22 PM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.624 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058251.D

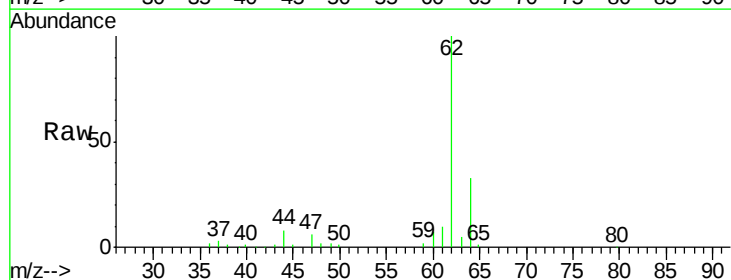
Acq: 20 Sep 2019 15:36

Tgt Ion: 62 Resp: 61777

Ion Ratio Lower Upper

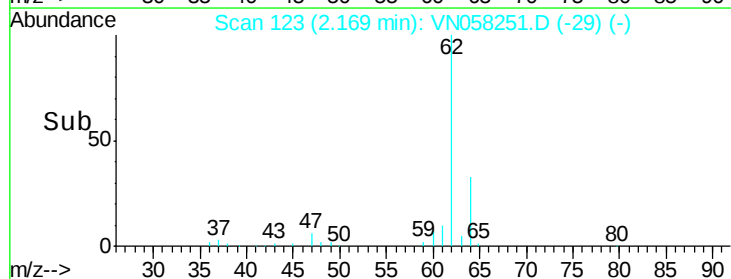
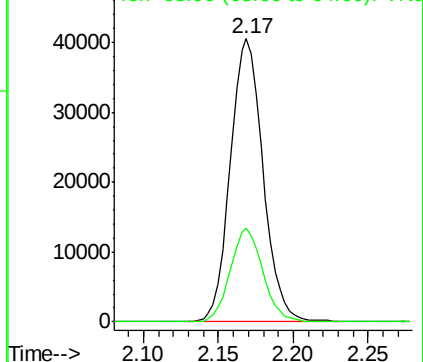
62 100

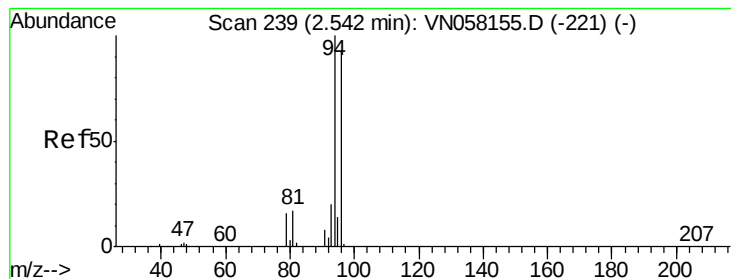
64 33.1 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 20.115 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBS02

Tot Ion: 94 Resp: 31895

Ion Ratio Lower Upper

94 100

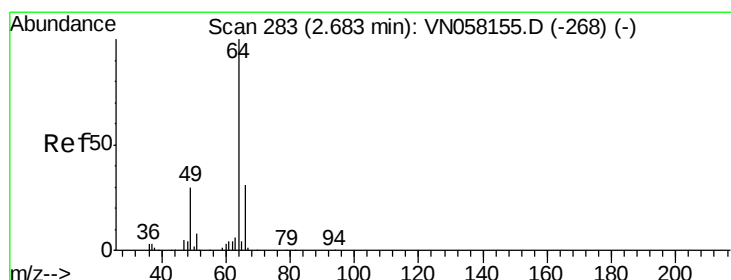
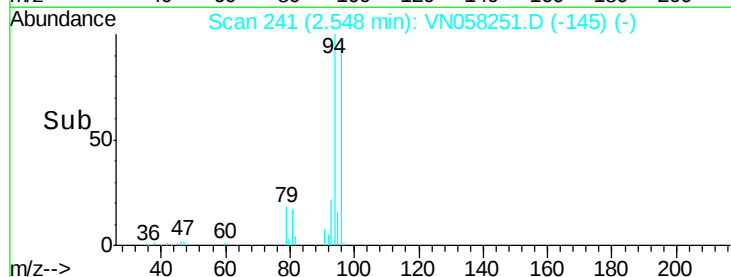
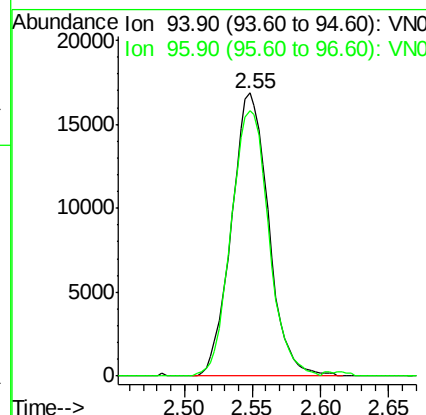
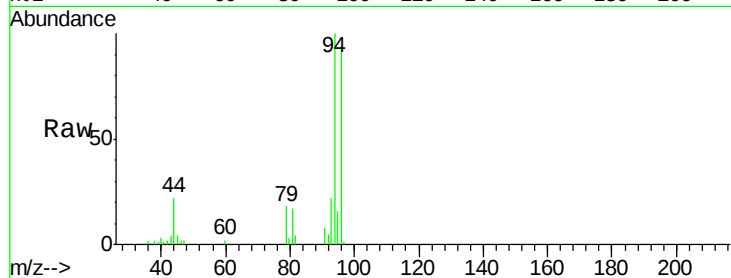
96 93.8 73.3 109.9

Manual Integrations

APPROVED

MMDadoda

9/23/2019 3:30:22 PM



#6

Chloroethane

Concen: 21.180 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058251.D

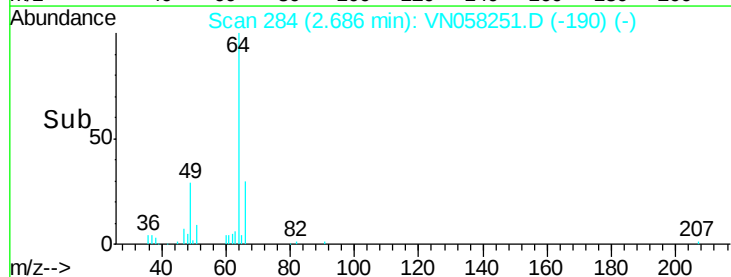
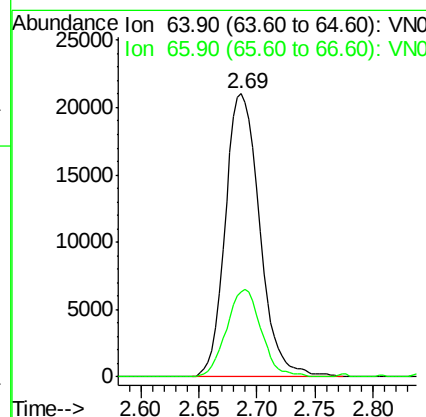
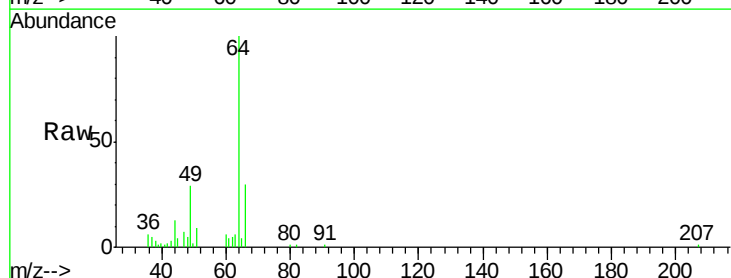
Acq: 20 Sep 2019 15:36

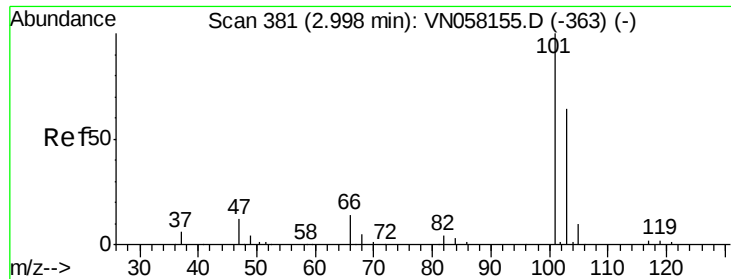
Tgt Ion: 64 Resp: 43525

Ion Ratio Lower Upper

64 100

66 30.2 24.6 37.0





#7

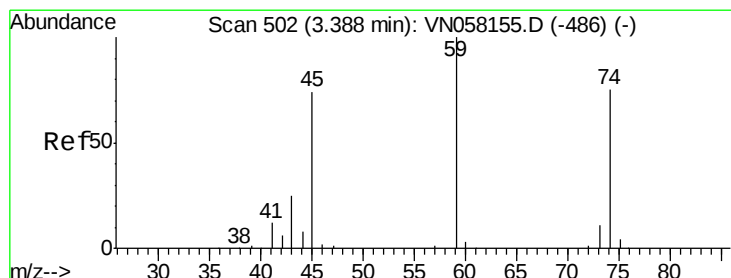
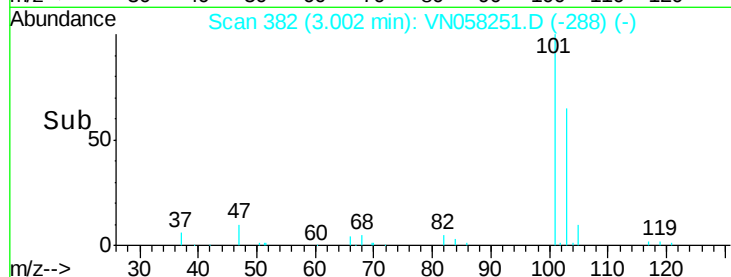
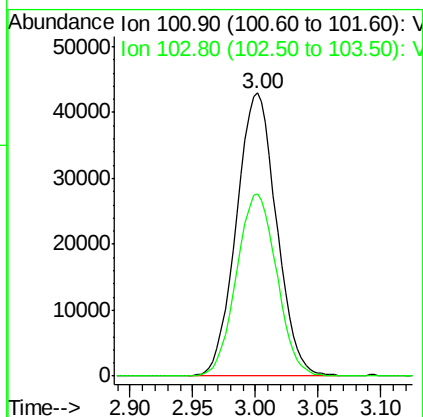
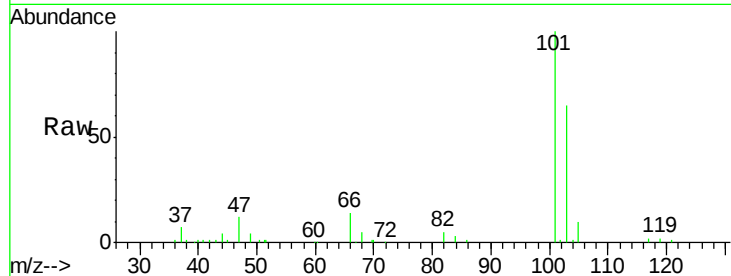
Trichlorofluoromethane
Concen: 19.266 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS02

Tot Ion:101 Resp: 95532
Ion Ratio Lower Upper
101 100
103 64.6 51.0 76.6

Manual Integrations
APPROVED

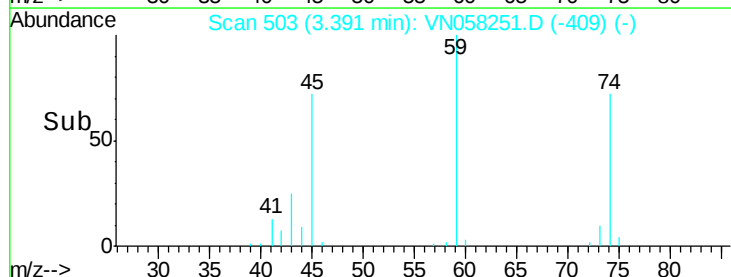
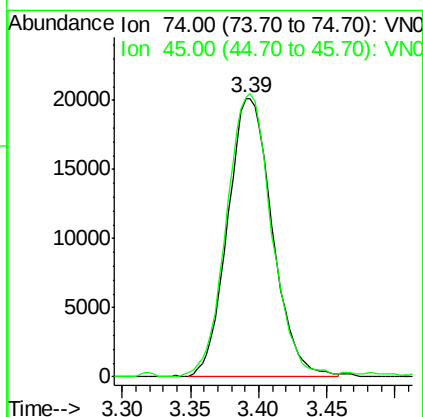
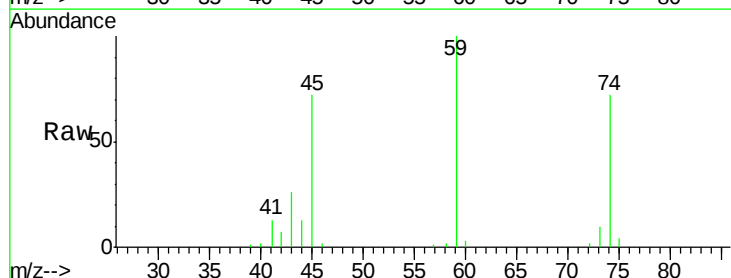
MMDadoda
9/23/2019 3:30:22 PM

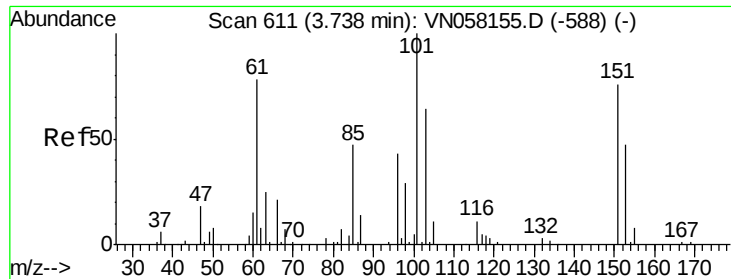


#8

Diethyl Ether
Concen: 20.218 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Tgt Ion: 74 Resp: 45935
Ion Ratio Lower Upper
74 100
45 102.7 48.5 145.5





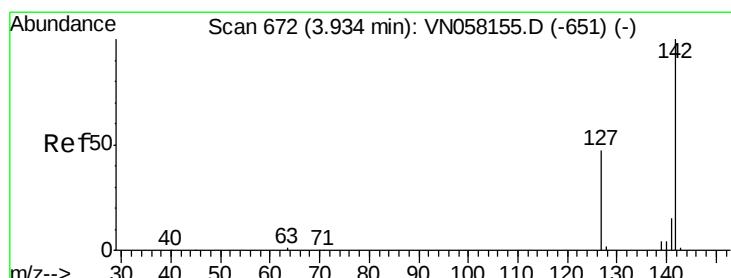
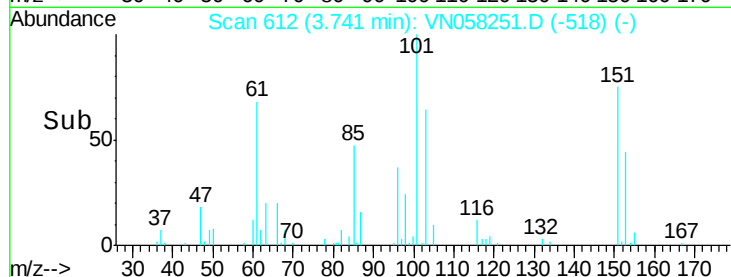
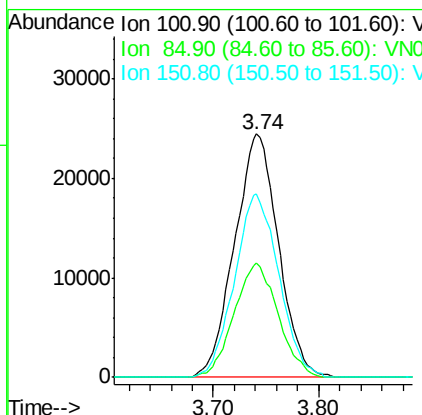
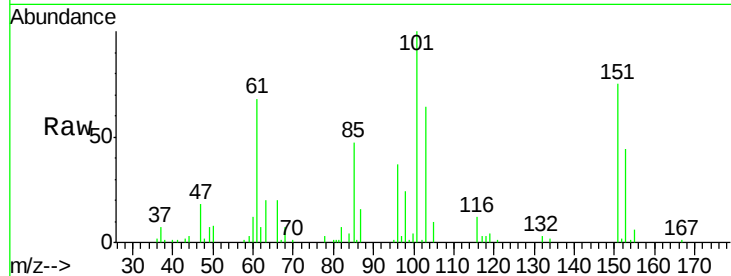
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.811 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN058251.D
 Acq: 20 Sep 2019 15:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
85	47.0	37.3	55.9
151	75.8	59.6	89.4

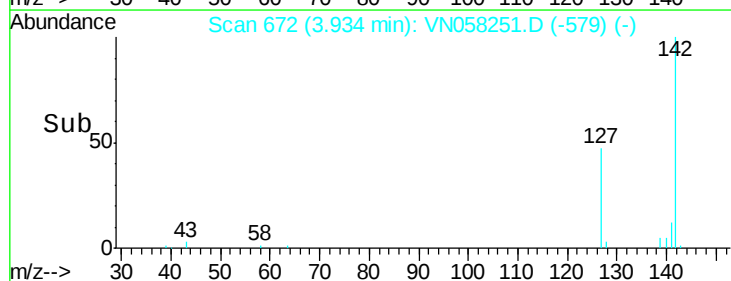
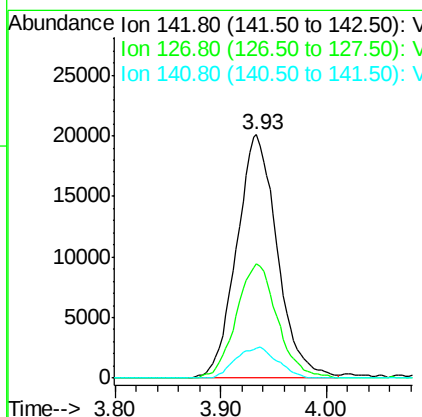
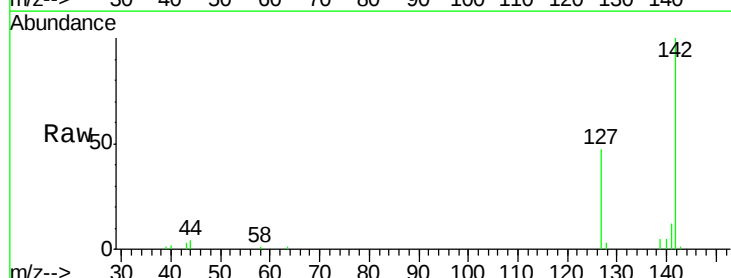
Manual Integrations
 APPROVED

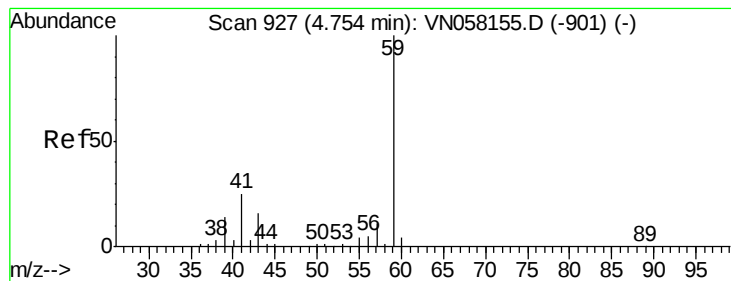
MMDadoda
 9/23/2019 3:30:22 PM



#10
 Methyl Iodide
 Concen: 17.990 ug/l
 RT: 3.93 min Scan# 672
 Delta R.T. -0.00 min
 Lab File: VN058251.D
 Acq: 20 Sep 2019 15:36

Tgt Ion	Ratio	Lower	Upper
142	100		
127	47.2	37.5	56.3
141	13.0	11.4	17.2





#11

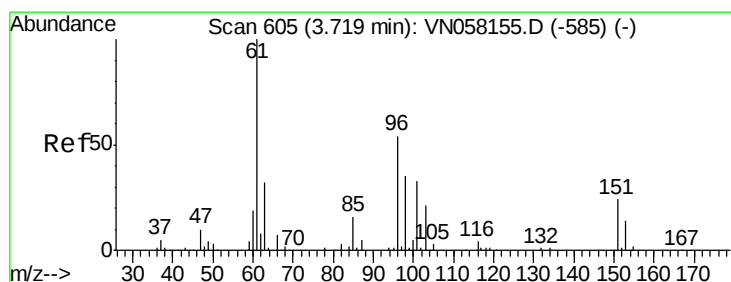
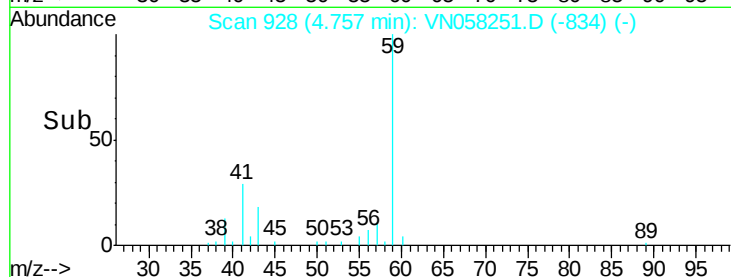
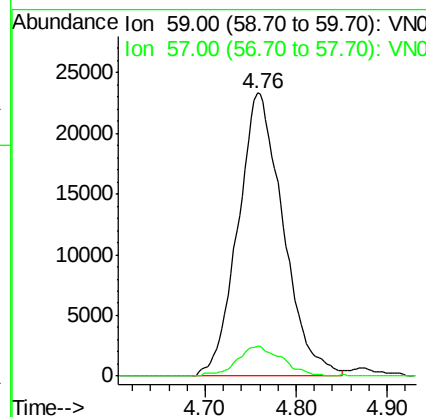
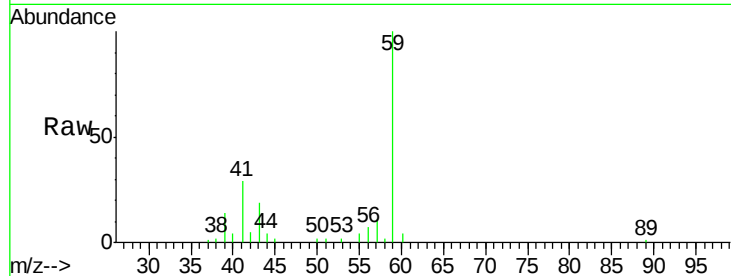
Tert butyl alcohol
Concen: 109.669 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Instrument :
MSVOA_N
ClientSampled :
VN0920WBS02

Tot Ion	Ratio	Resp	Lower	Upper
59	100	80352		
57	10.6		8.6	13.0

Manual Integrations
APPROVED

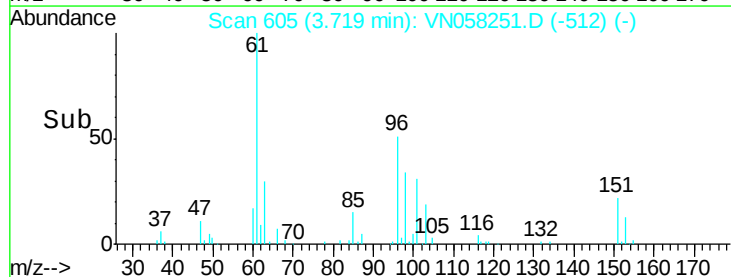
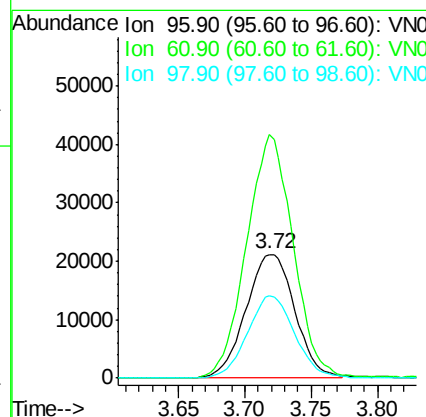
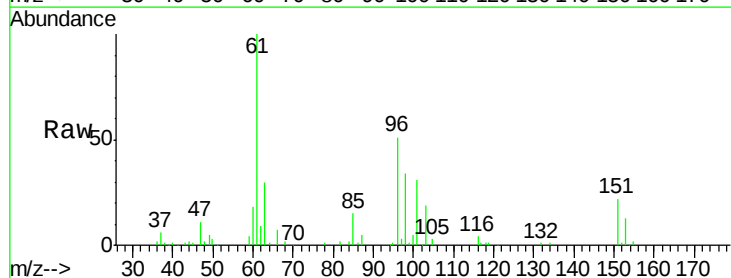
MMDadoda
9/23/2019 3:30:22 PM

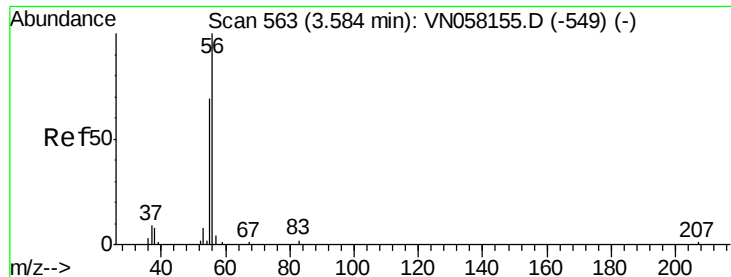


#12

1,1-Dichloroethene
Concen: 19.835 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	54398		
61	196.6		149.5	224.3
98	66.1		52.4	78.6





#13

Acrolein

Concen: 103.647 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.01 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBS02

Tot Ion: 56 Resp: 11254

Ion Ratio Lower Upper

56 100

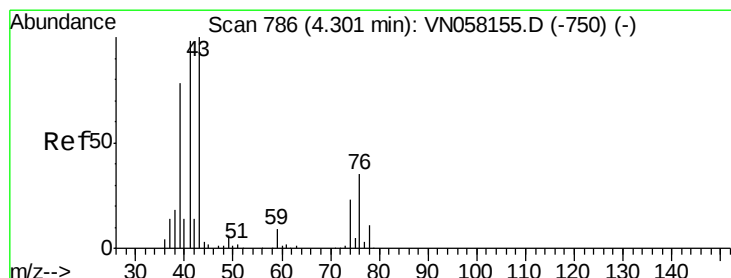
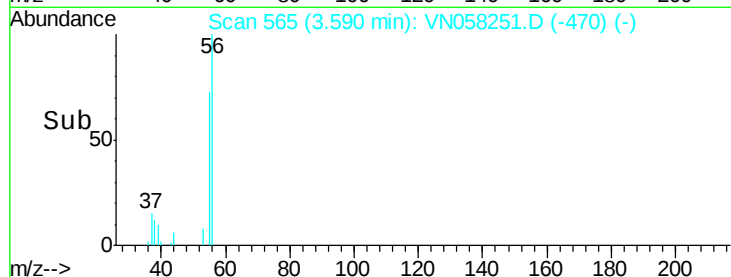
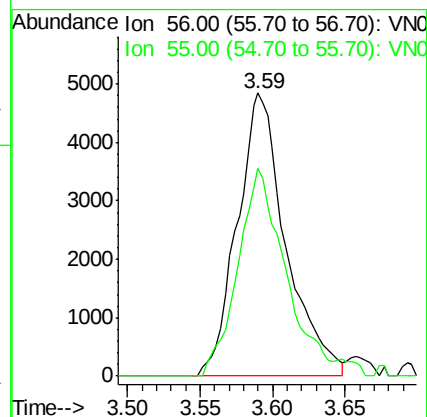
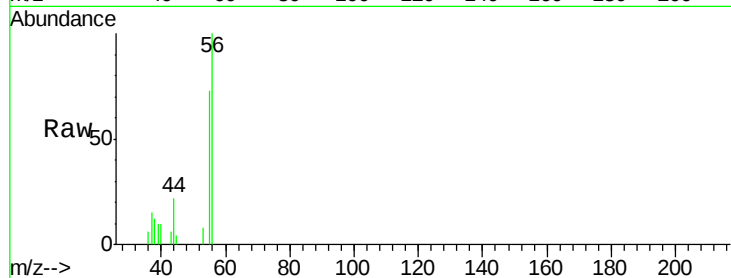
55 71.5 56.1 84.1

Manual Integrations

APPROVED

MMDadoda

9/23/2019 3:30:22 PM



#14

Allyl chloride

Concen: 19.437 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

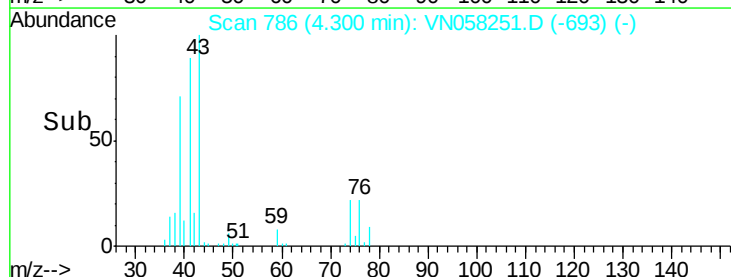
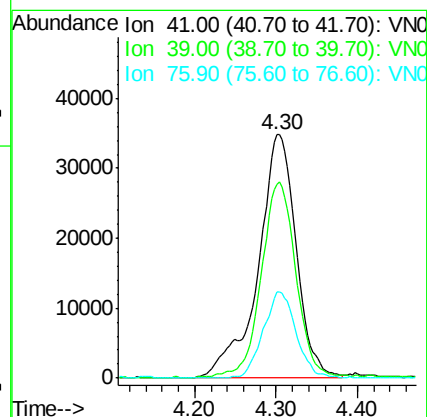
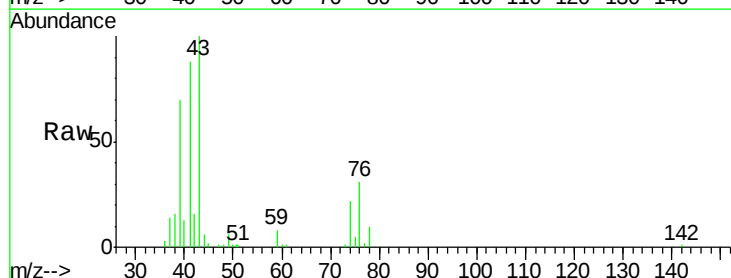
Tgt Ion: 41 Resp: 113710

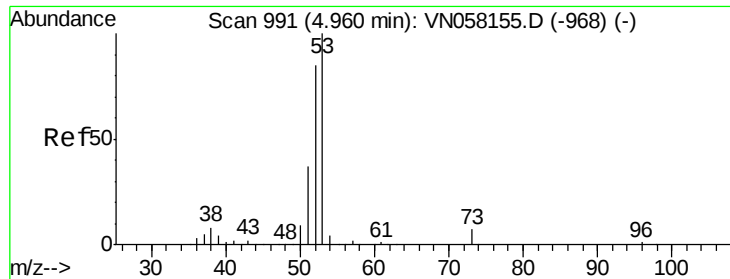
Ion Ratio Lower Upper

41 100

39 71.9 59.1 88.7

76 30.4 25.1 37.7





#15

Acrylonitrile

Concen: 111.213 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Instrument :

MSVOA_N

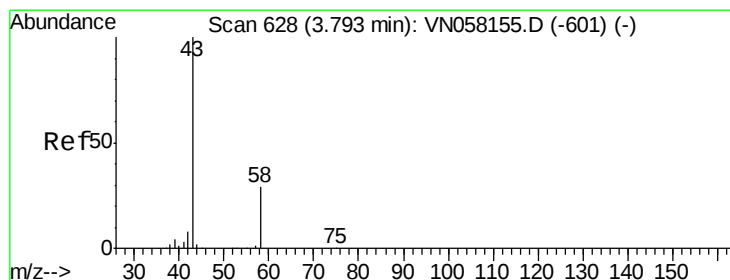
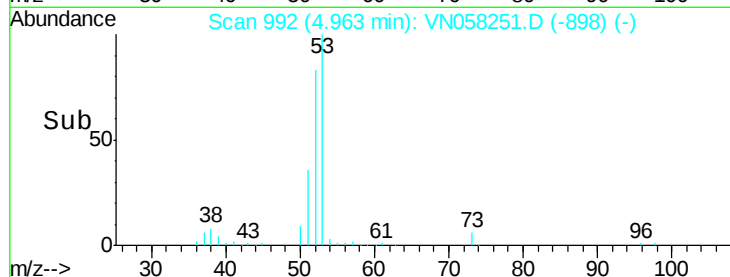
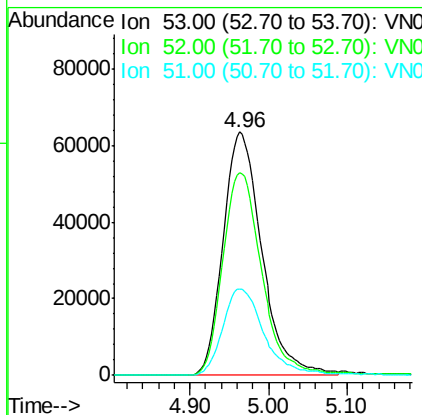
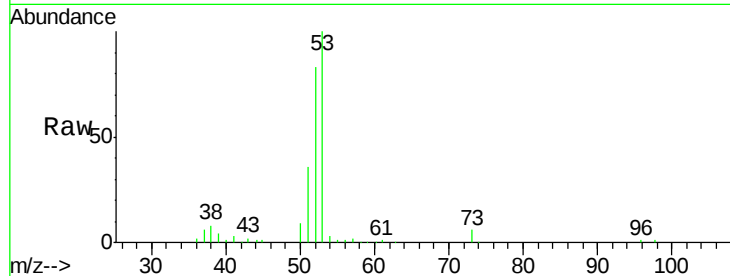
ClientSampleId :

VN0920WBS02

Tot Ion:	53	Resp:	217094
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.6	100.0
51	37.7	29.7	44.5

Manual Integrations
APPROVED

MMDadoda
9/23/2019 3:30:22 PM



#16

Acetone

Concen: 105.152 ug/l

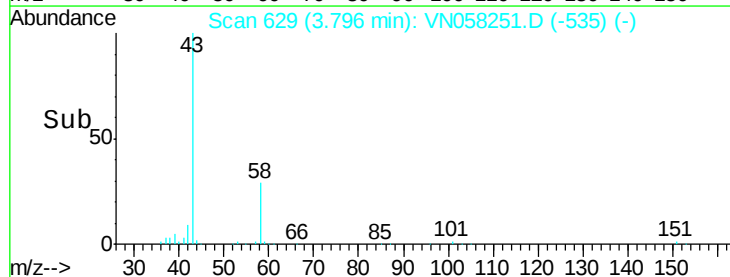
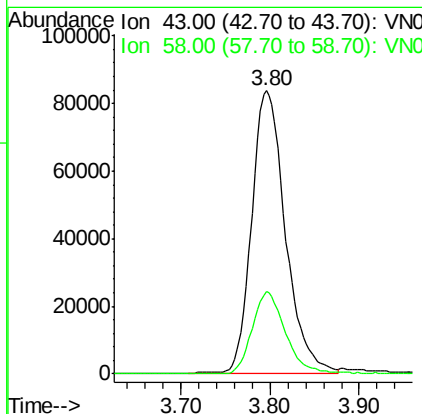
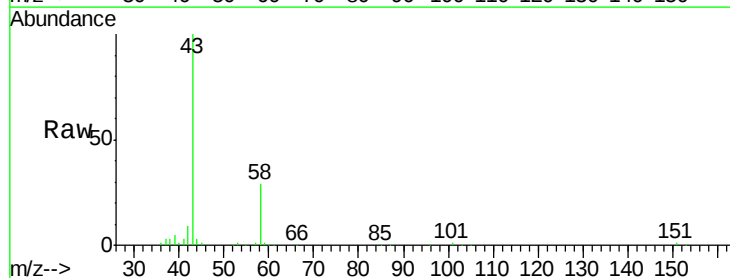
RT: 3.80 min Scan# 629

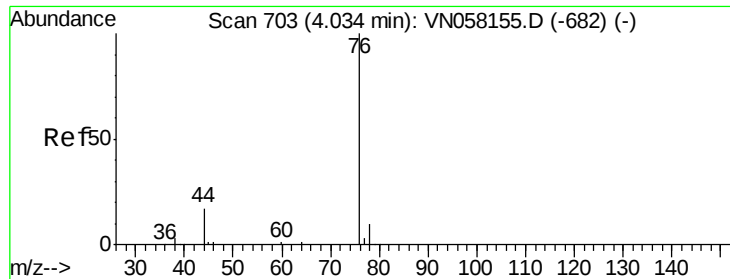
Delta R.T. 0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Tgt Ion:	43	Resp:	219847
Ion	Ratio	Lower	Upper
43	100		
58	29.1	23.4	35.2





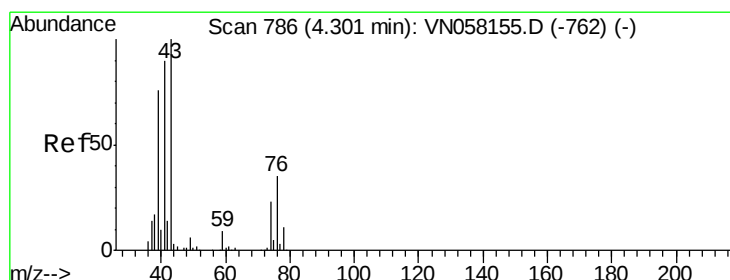
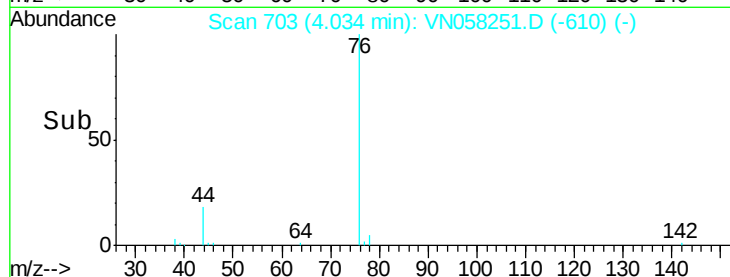
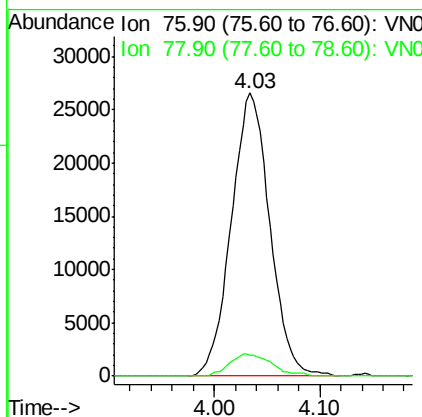
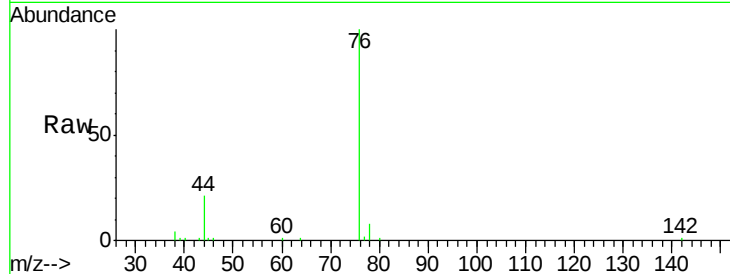
#17
Carbon Disulfide
Concen: 17.799 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS02

Tot Ion: 76 Resp: 67304
Ion Ratio Lower Upper
76 100
78 7.6 7.7 11.5#

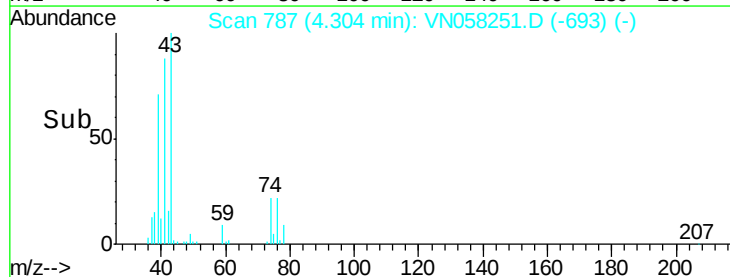
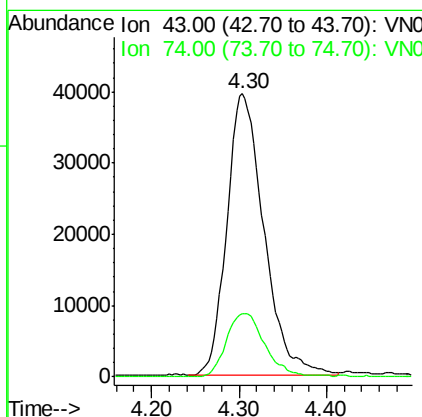
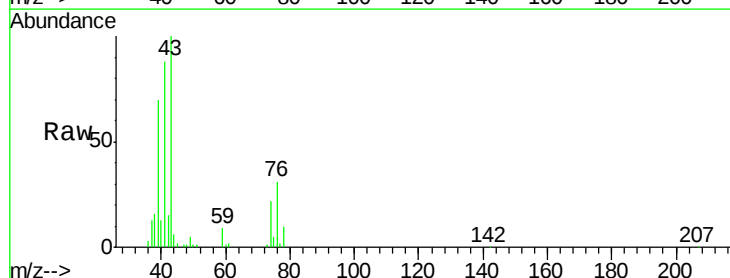
Manual Integrations
APPROVED

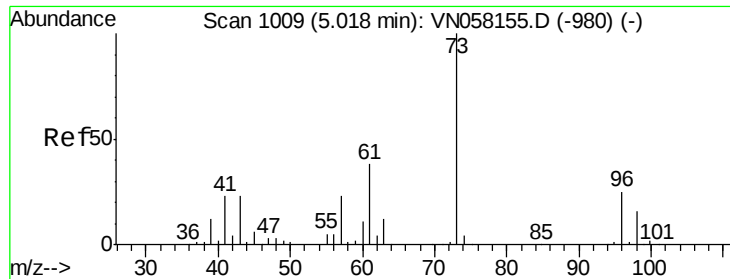
MMDadoda
9/23/2019 3:30:22 PM



#18
Methyl Acetate
Concen: 21.261 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Tgt Ion: 43 Resp: 116965
Ion Ratio Lower Upper
43 100
74 23.1 18.0 27.0





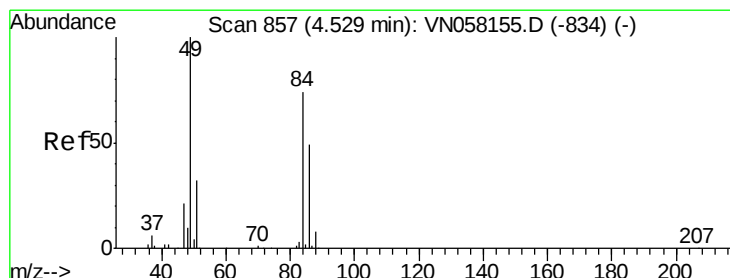
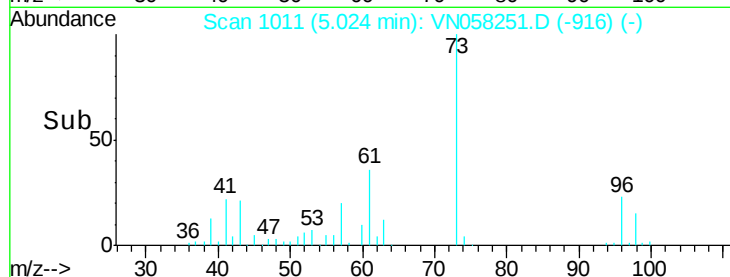
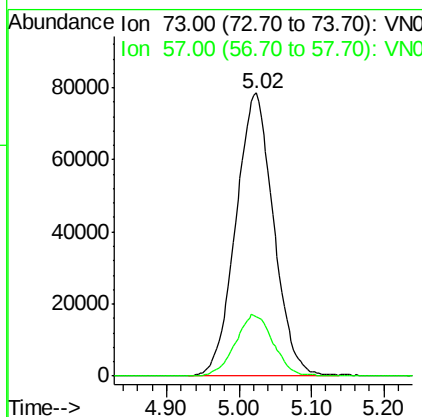
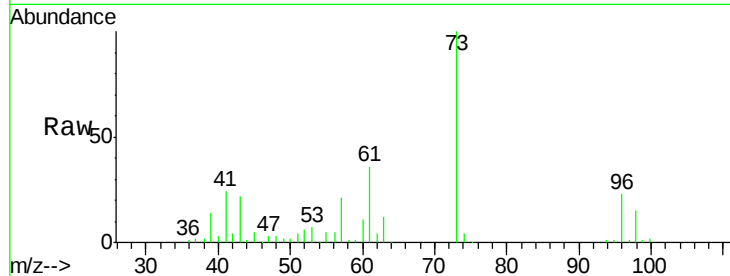
#19
Methvl tert-butvl Ether
Concen: 21.072 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS02

Tot Ion: 73 Resp: 284136
Ion Ratio Lower Upper
73 100
57 21.0 18.1 27.1

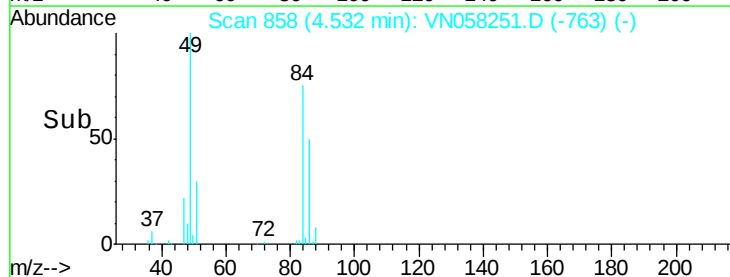
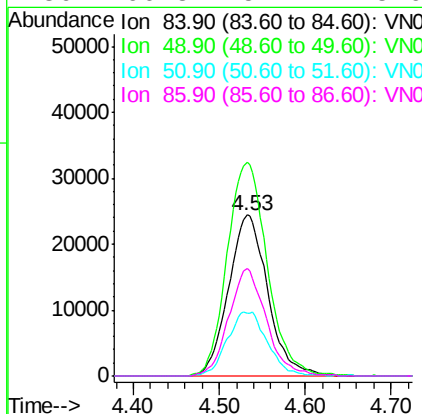
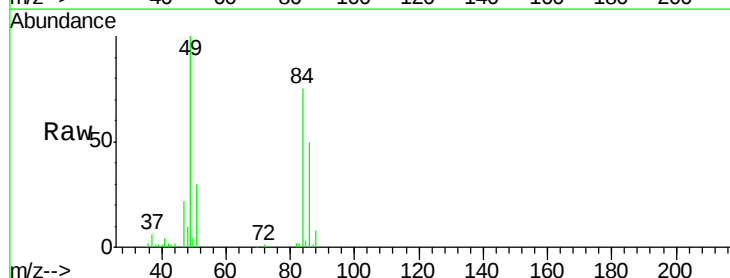
Manual Integrations
APPROVED

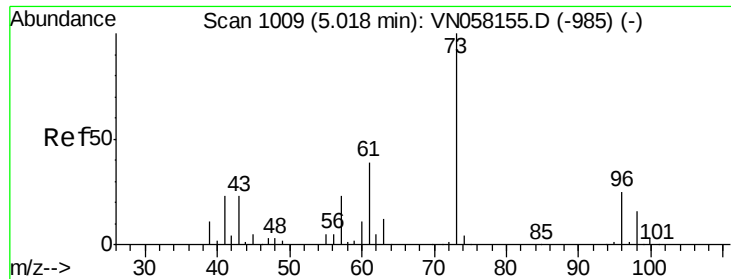
MMDadoda
9/23/2019 3:30:22 PM



#20
Methylene Chloride
Concen: 20.970 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Tgt Ion: 84 Resp: 77231
Ion Ratio Lower Upper
84 100
49 132.9 107.5 161.3
51 39.3 33.9 50.9
86 66.8 52.4 78.6





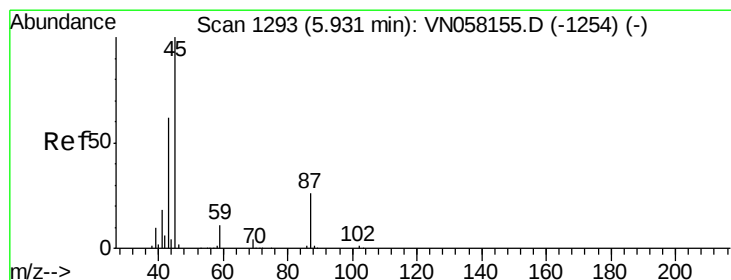
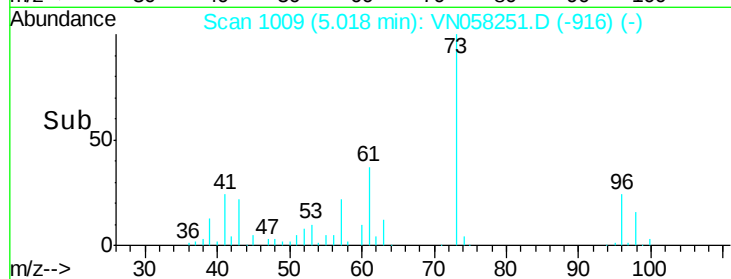
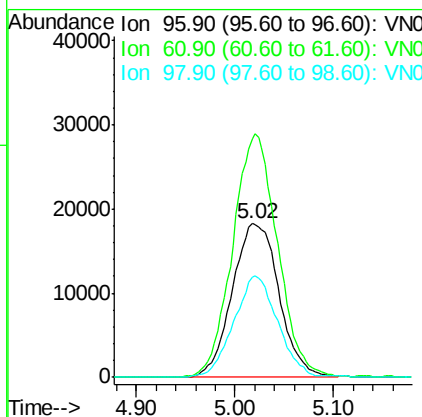
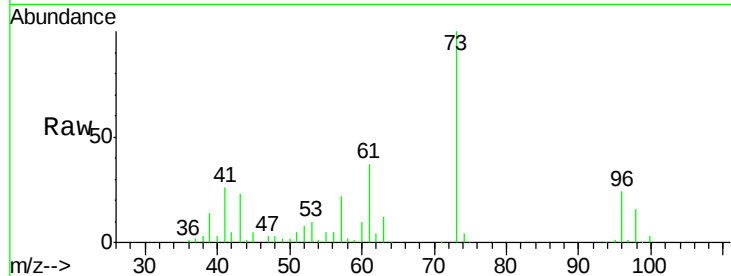
#21
trans-1,2-Dichloroethene
Concen: 20.134 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.3	122.2	183.4
98	65.4	49.9	74.9

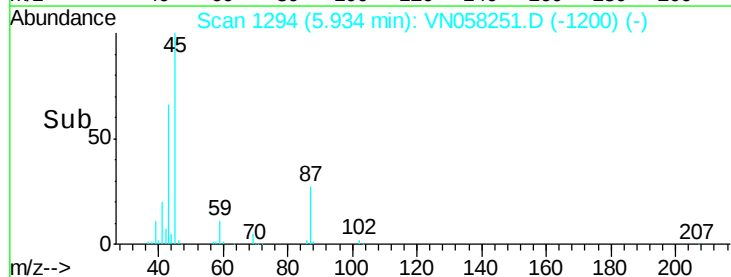
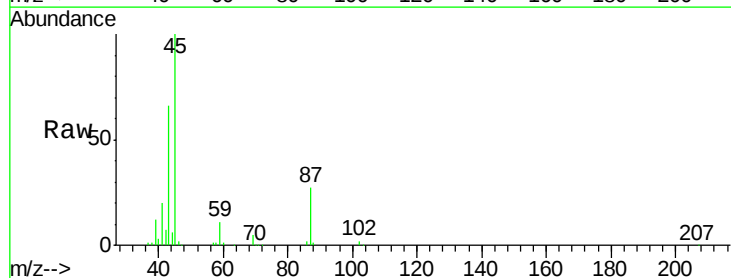
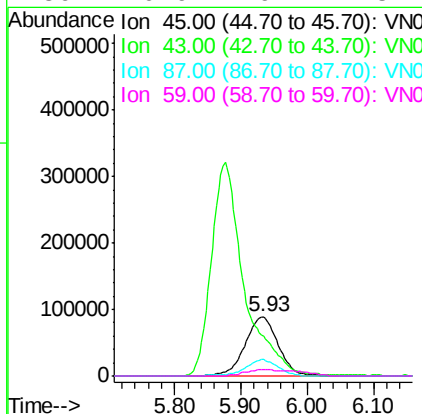
Manual Integrations
APPROVED

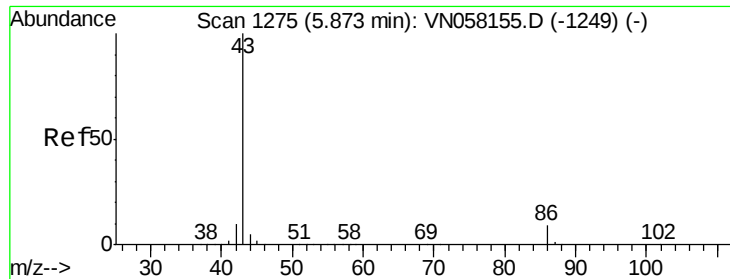
MMDadoda
9/23/2019 3:30:22 PM



#22
Diisopropyl ether
Concen: 20.652 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.6	49.7	74.5
87	26.9	20.7	31.1
59	10.9	9.1	13.7





#23

Vinyl Acetate

Concen: 108.424 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBS02

Tot Ion: 43 Resp: 1102494

Ion Ratio Lower Upper

43 100

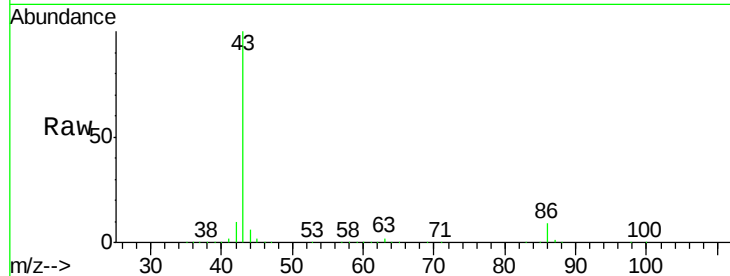
86 9.1 7.4 11.2

Manual Integrations

APPROVED

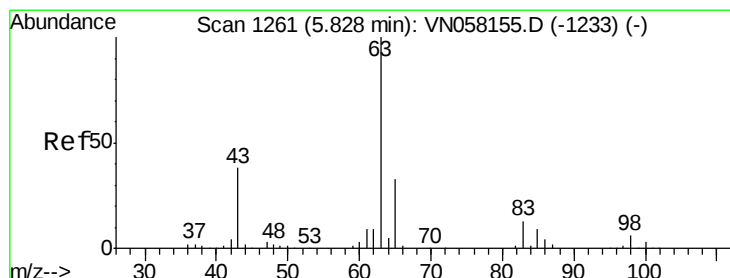
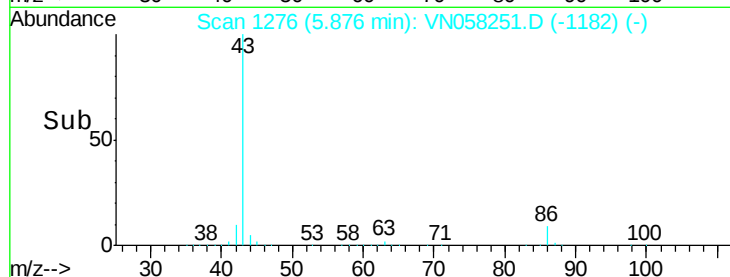
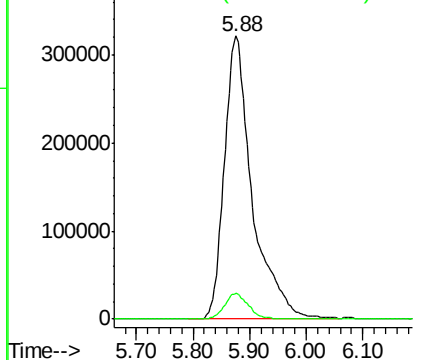
MMDadoda

9/23/2019 3:30:22 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.596 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

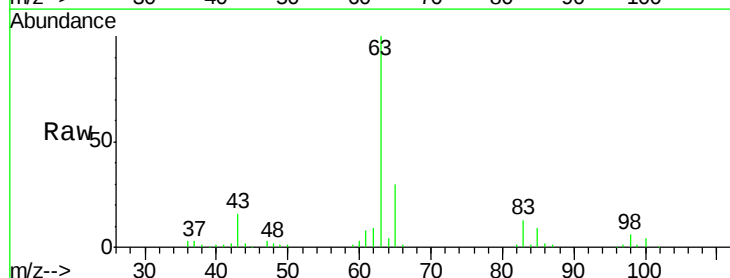
Tgt Ion: 63 Resp: 163351

Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.6

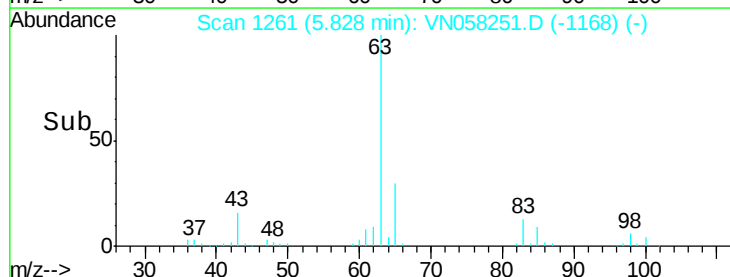
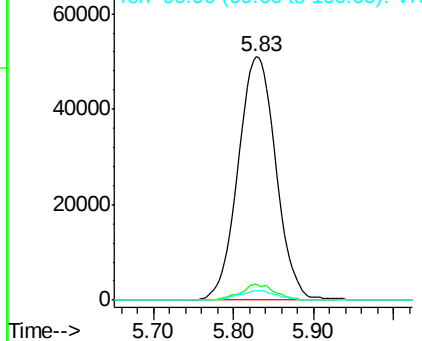
100 3.8 1.8 5.3

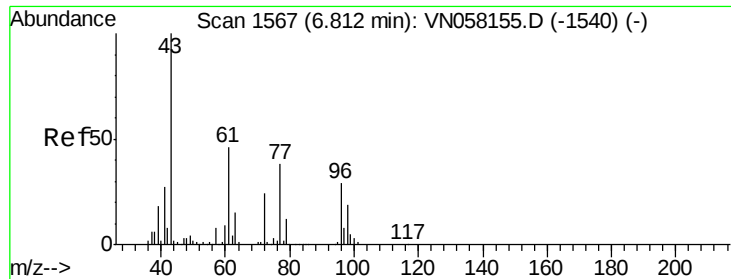


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





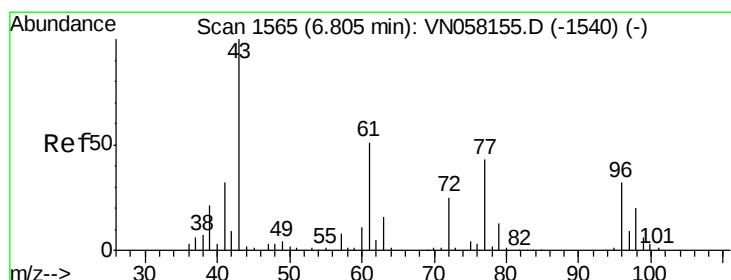
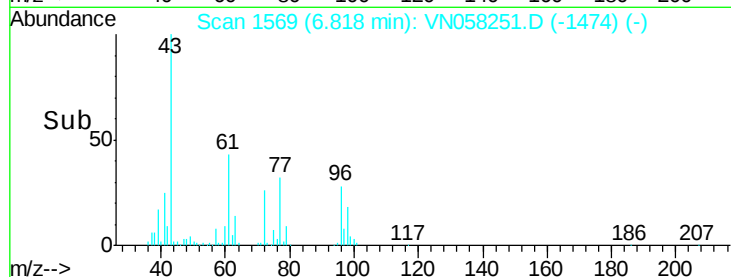
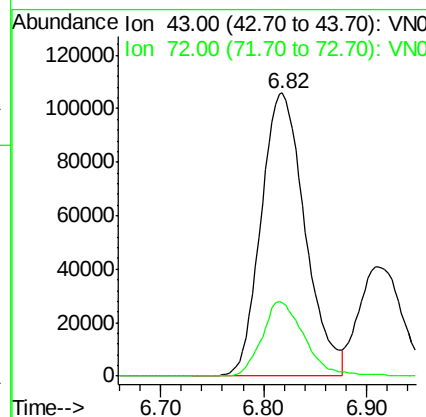
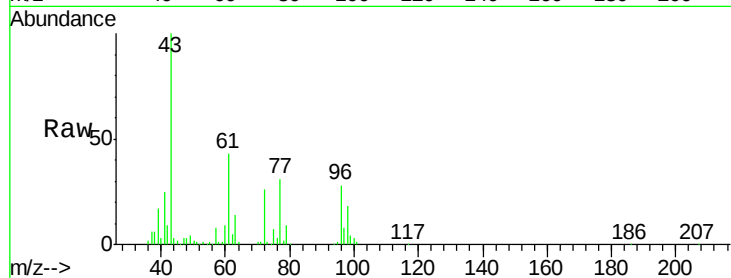
#25
2-Butanone
Concen: 109.385 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS02

Tot Ion: 43 Resp: 311573
Ion Ratio Lower Upper
43 100
72 25.9 19.5 29.3

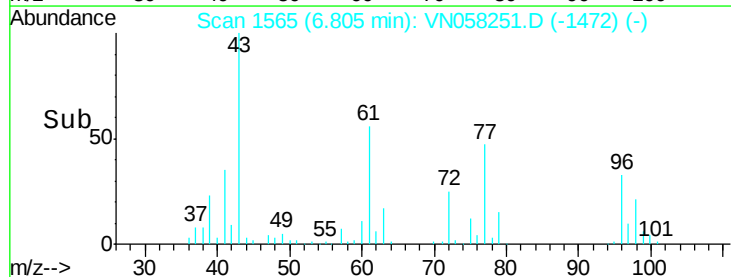
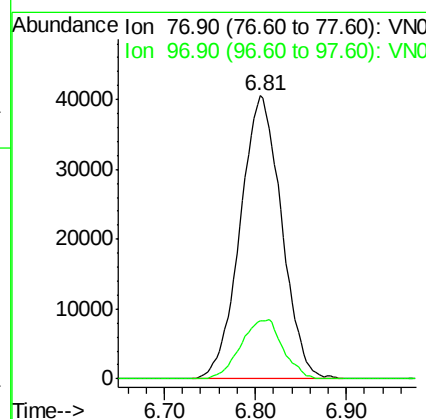
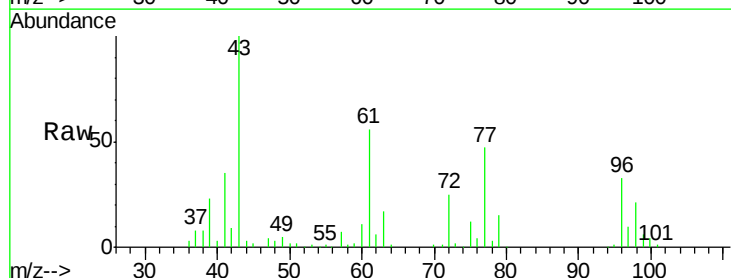
Manual Integrations
APPROVED

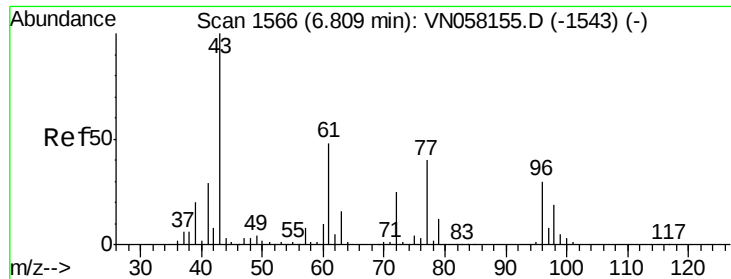
MMDadoda
9/23/2019 3:30:22 PM



#26
2,2-Dichloropropane
Concen: 19.023 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Tgt Ion: 77 Resp: 128001
Ion Ratio Lower Upper
77 100
97 21.3 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 20.064 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Instrument :

MSVOA_N

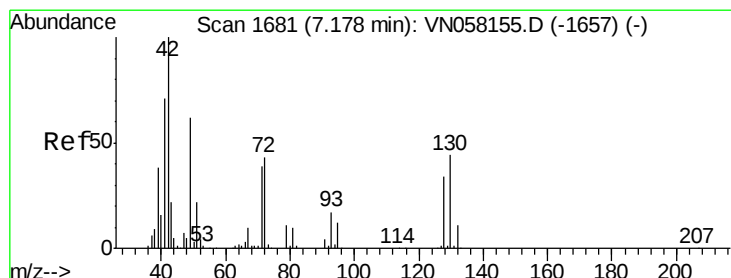
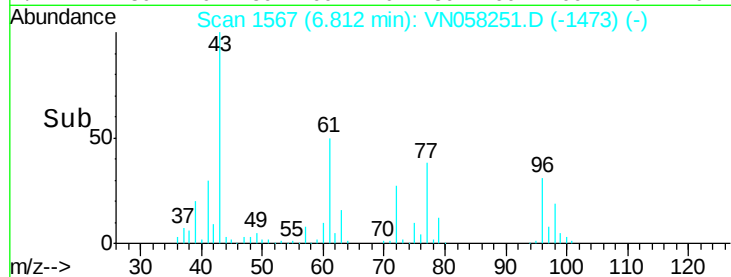
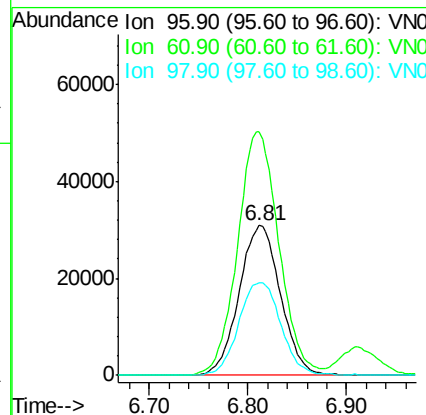
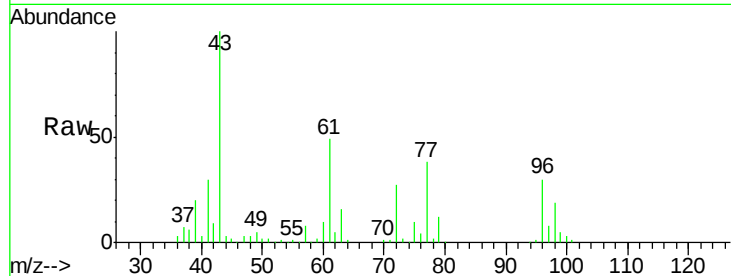
ClientSampleId :

VN0920WBS02

Tot Ion:	96	Resp:	89979
Ion	Ratio	Lower	Upper
96	100		
61	161.8	0.0	319.0
98	63.3	0.0	126.6

Manual Integrations
APPROVED

MMDadoda
9/23/2019 3:30:22 PM



#28

Bromochloromethane

Concen: 22.469 ug/l

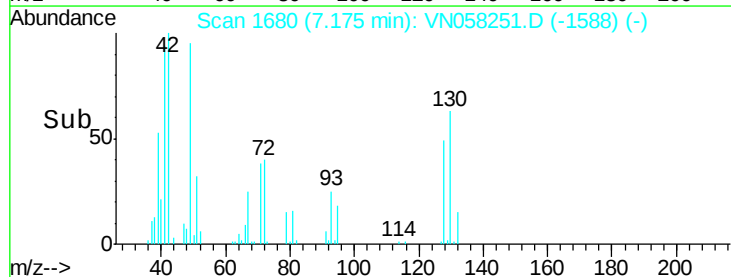
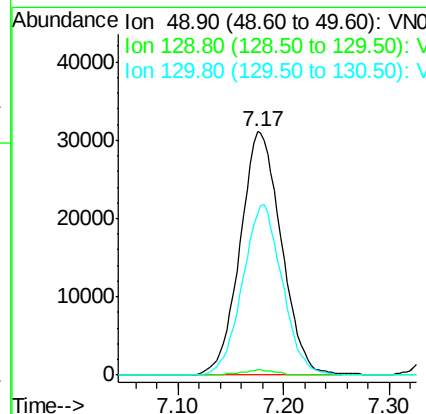
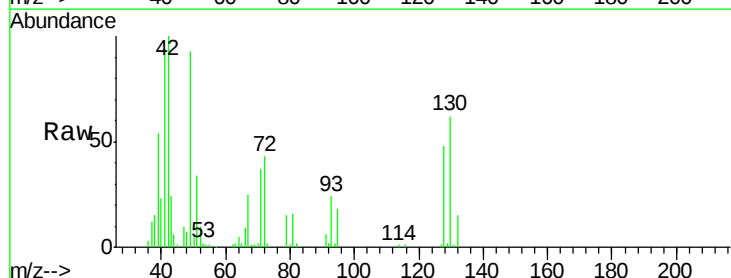
RT: 7.17 min Scan# 1680

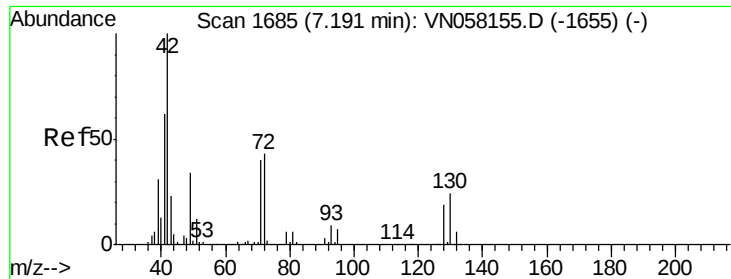
Delta R.T. -0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Tgt Ion:	49	Resp:	84303
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	1.8
130	67.3	55.4	83.2





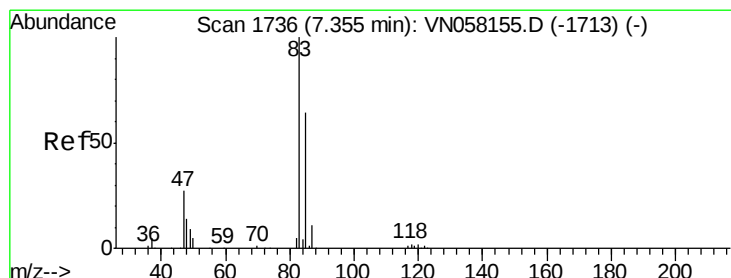
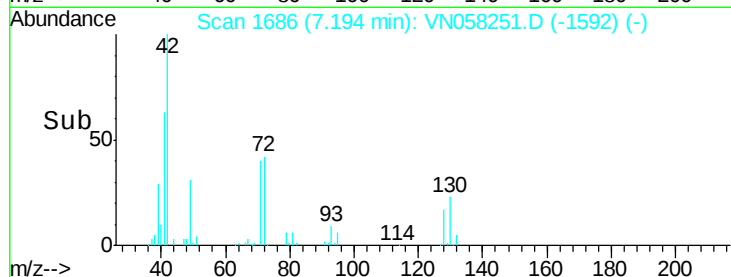
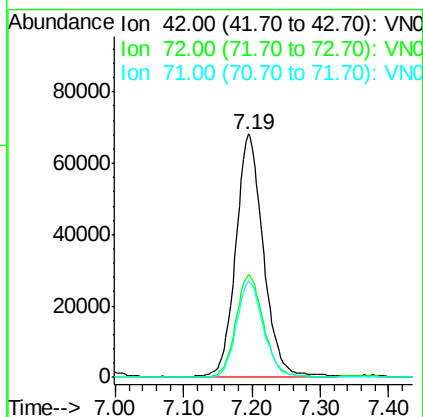
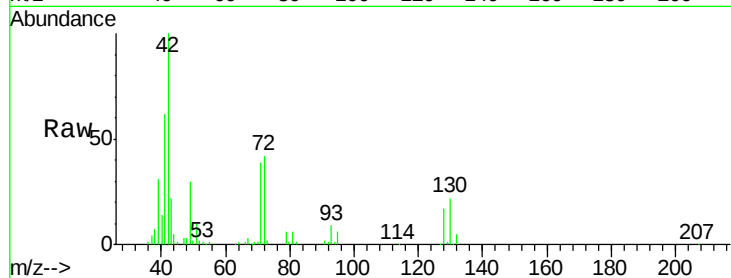
#29
Tetrahydrofuran
Concen: 109.474 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.8	50.6
71	38.6	31.4	47.0

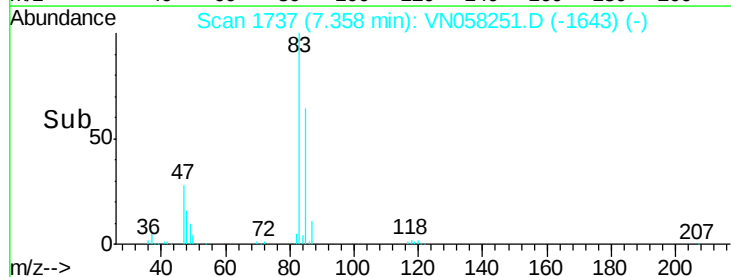
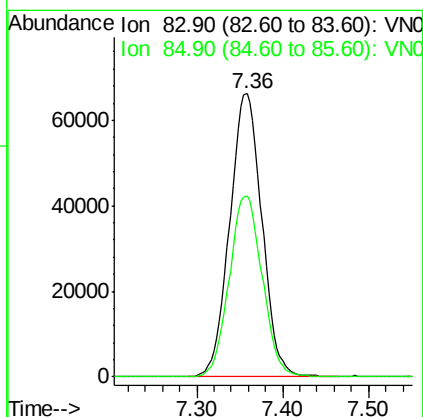
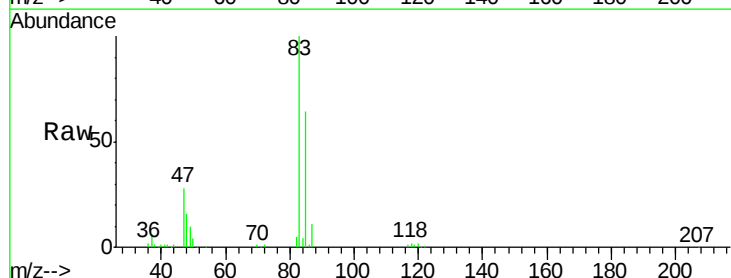
Manual Integrations
APPROVED

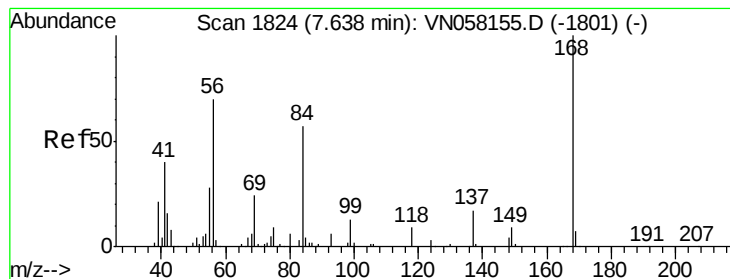
MMDadoda
9/23/2019 3:30:22 PM



#30
Chloroform
Concen: 20.156 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.4	77.2





#31

Cyclohexane

Concen: 19.745 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBS02

Tot Ion: 56 Resp: 108716

Ion Ratio Lower Upper

56 100

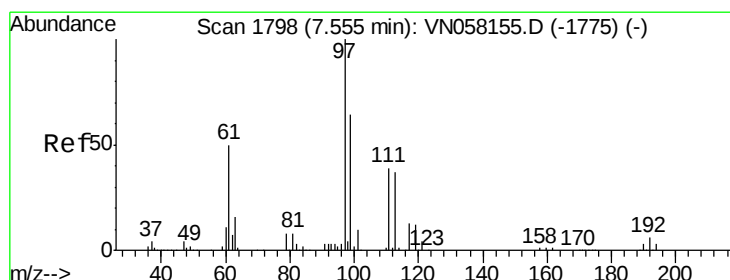
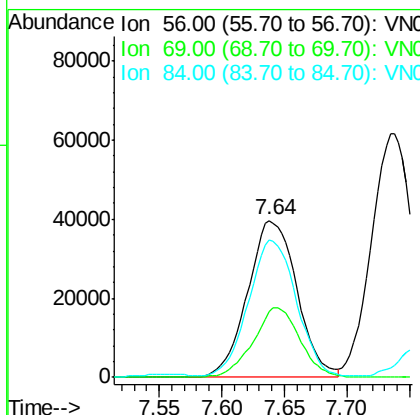
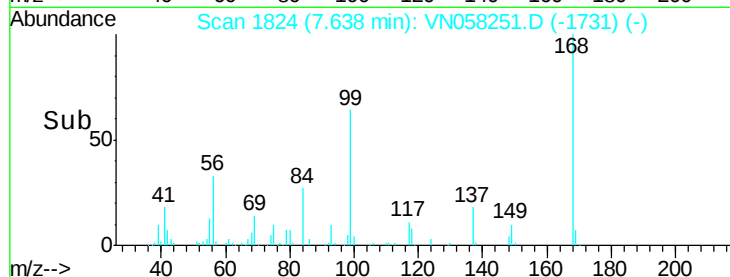
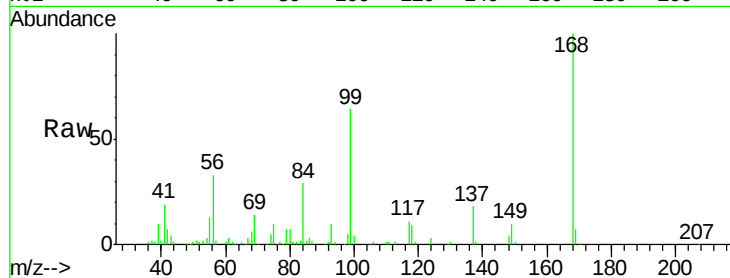
69 41.4 27.3 40.9#

84 85.8 65.0 97.4

Manual Integrations
APPROVED

MMDadoda

9/23/2019 3:30:22 PM



#32

1,1,1-Trichloroethane

Concen: 20.324 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

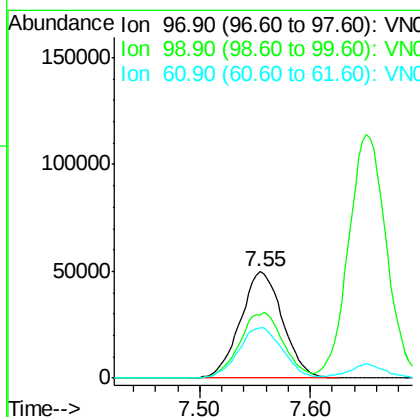
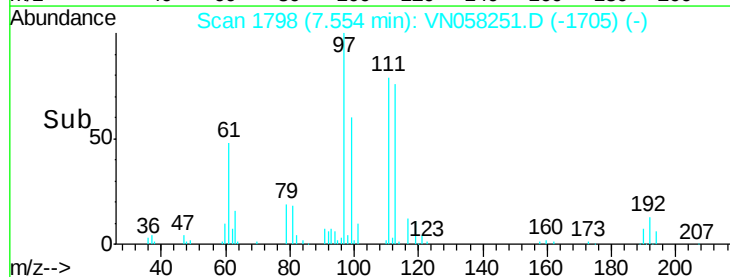
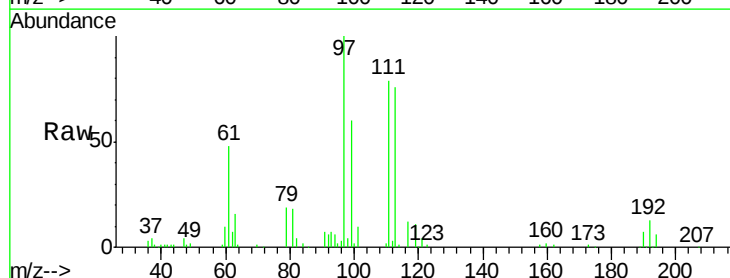
Tgt Ion: 97 Resp: 132093

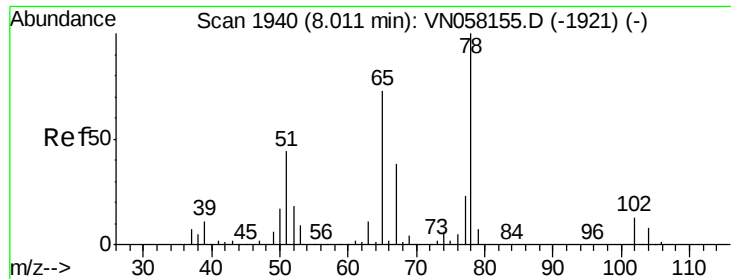
Ion Ratio Lower Upper

97 100

99 63.3 50.9 76.3

61 49.6 39.2 58.8





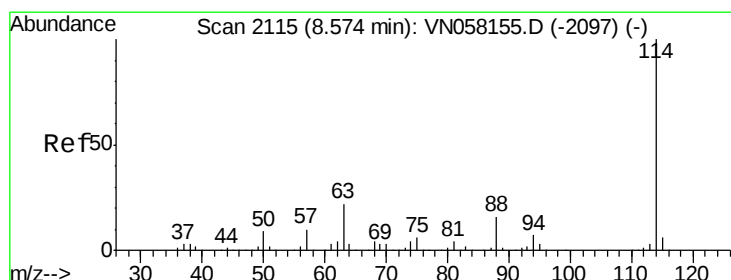
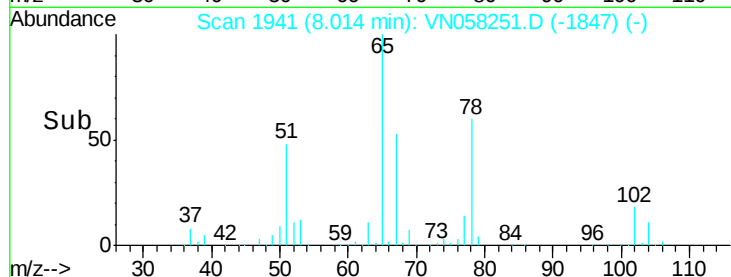
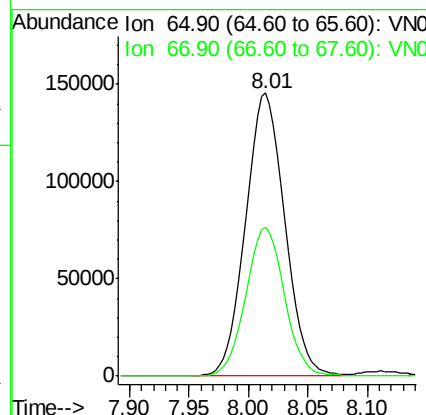
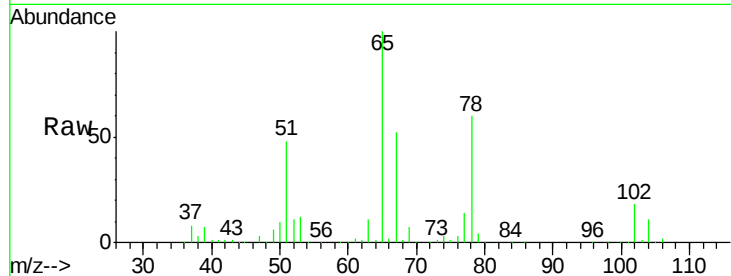
#33
 1,2-Dichloroethane-d4
 Concen: 54.050 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058251.D
 Acq: 20 Sep 2019 15:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.0	0.0	103.4	

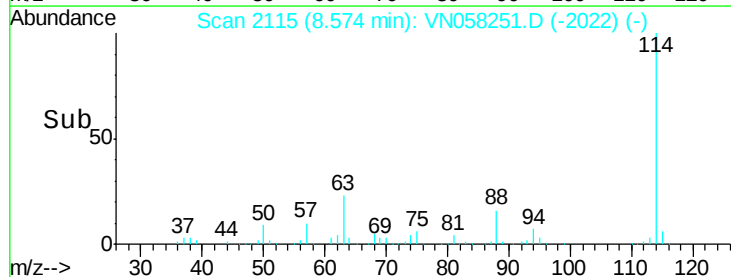
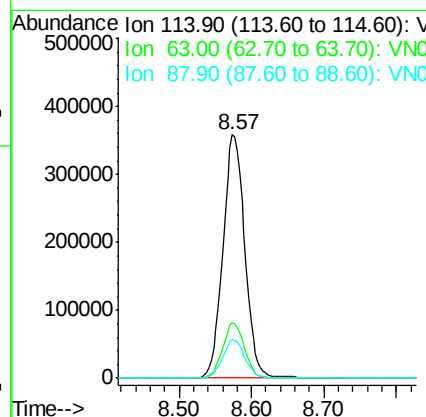
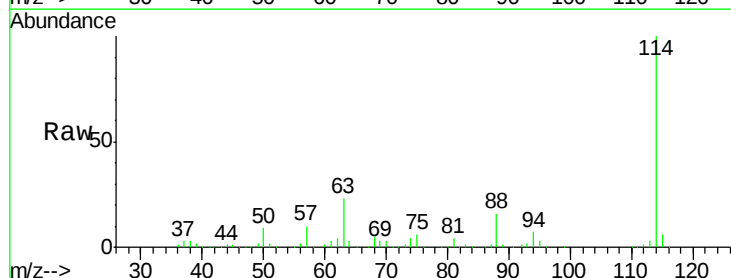
Manual Integrations
 APPROVED

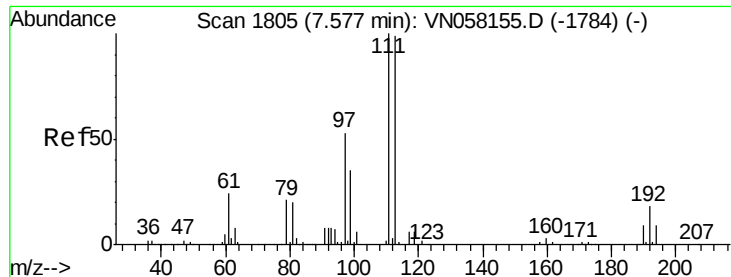
MMDadoda
 9/23/2019 3:30:22 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058251.D
 Acq: 20 Sep 2019 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.5	0.0	44.2	
88	15.8	0.0	31.6	





#35

Dibromofluoromethane

Concen: 52.158 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Instrument :

MSVOA_N

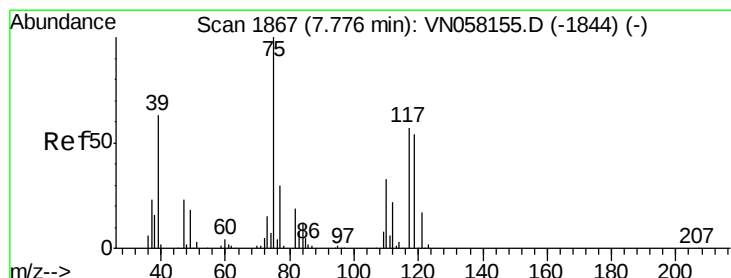
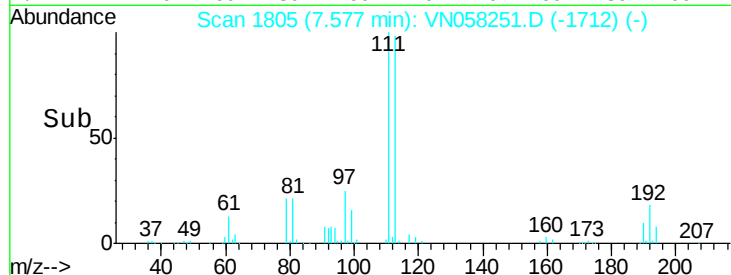
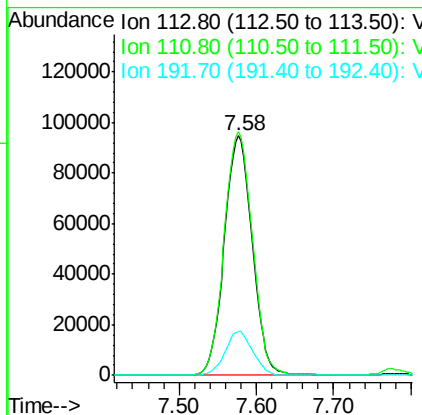
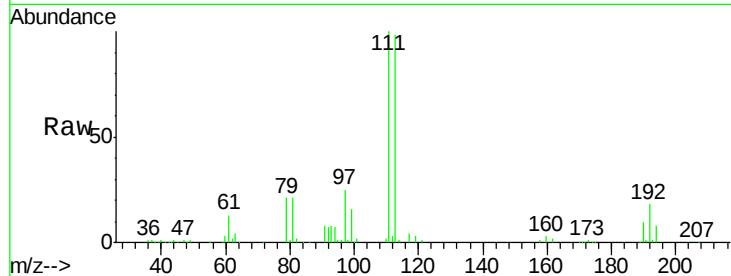
ClientSampleId :

VN0920WBS02

Tot Ion:	113	Resp:	237670
Ion Ratio	Lower	Upper	
113	100		
111	102.3	81.8	122.6
192	18.0	14.5	21.7

Manual Integrations
APPROVED

MMDadoda
9/23/2019 3:30:22 PM



#36

1,1-Dichloropropene

Concen: 18.168 ug/l

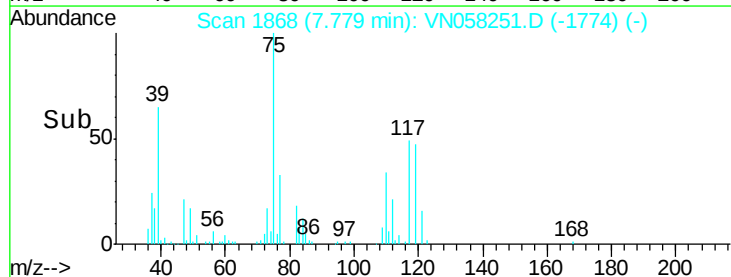
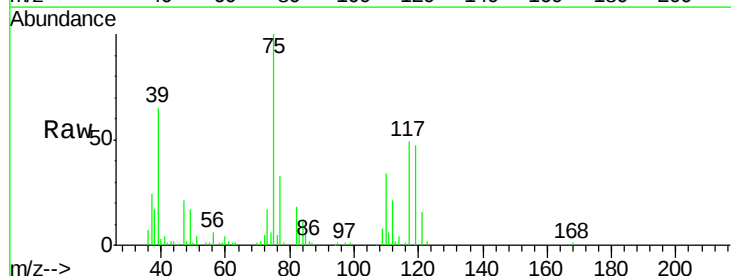
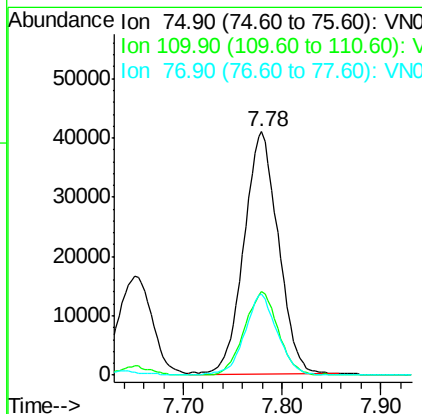
RT: 7.78 min Scan# 1868

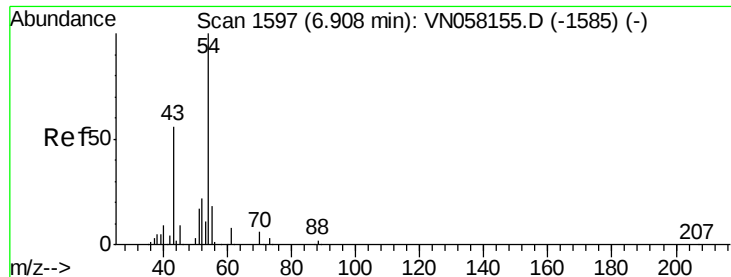
Delta R.T. 0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Tgt Ion:	75	Resp:	98206
Ion Ratio	Lower	Upper	
75	100		
110	33.7	16.6	49.7
77	31.6	24.3	36.5





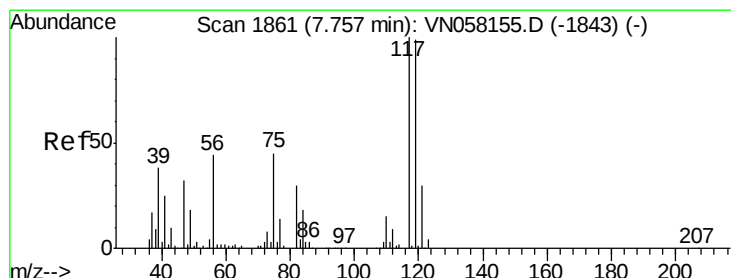
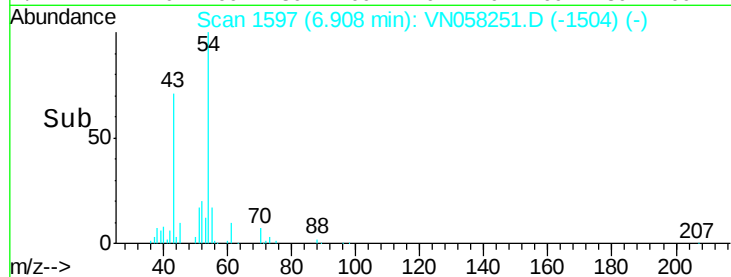
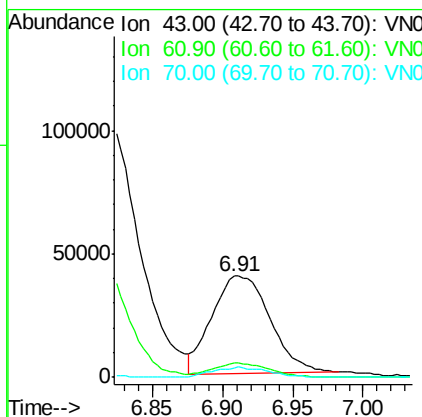
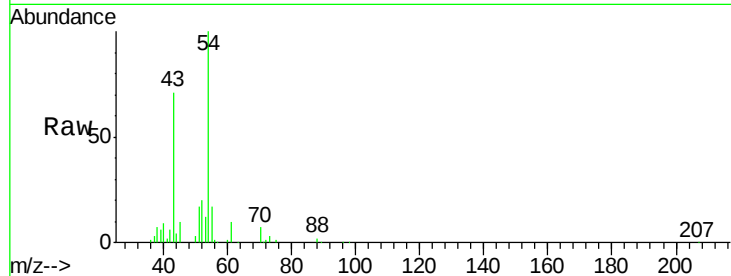
#37
Ethyl Acetate
Concen: 20.332 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Instrument :
MSVOA_N
ClientSampled :
VN0920WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.7	16.1
70	10.0	7.6	11.4

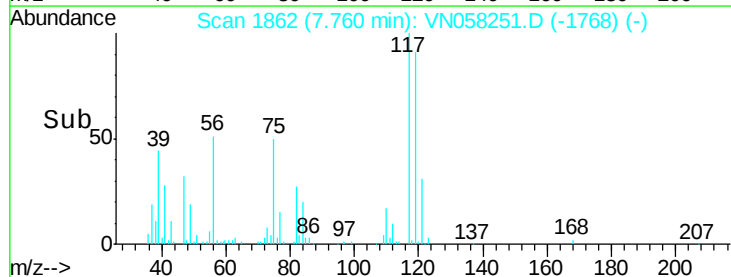
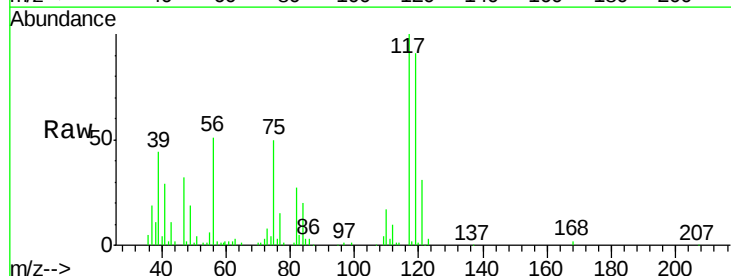
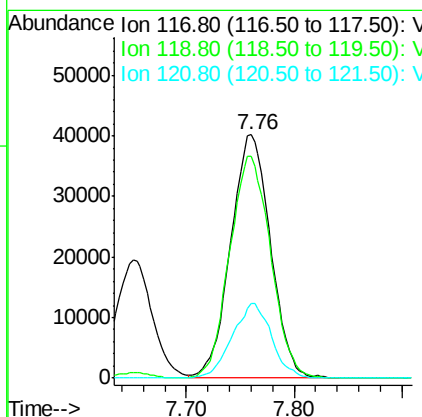
Manual Integrations
APPROVED

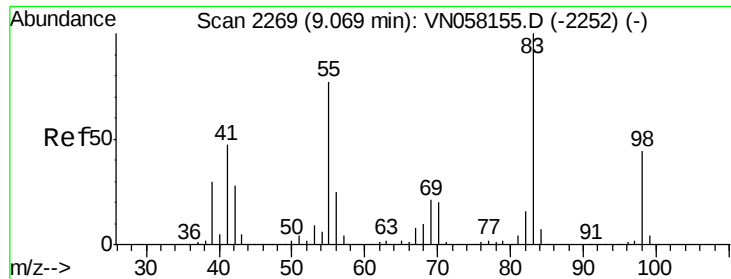
MMDadoda
9/23/2019 3:30:22 PM



#38
Carbon Tetrachloride
Concen: 19.018 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.0	78.6	117.8
121	30.9	24.1	36.1





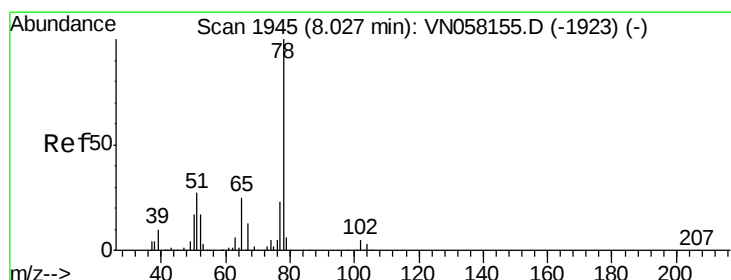
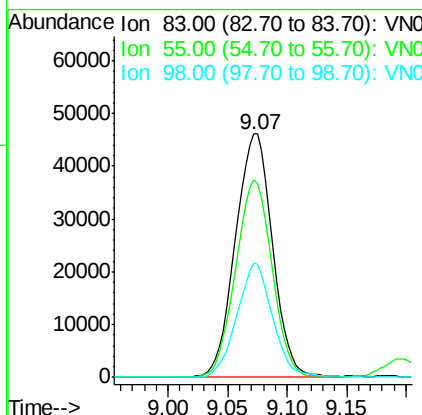
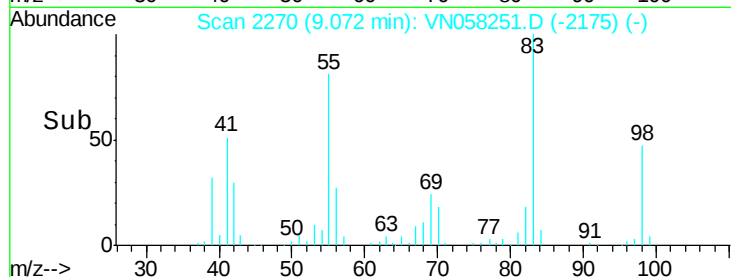
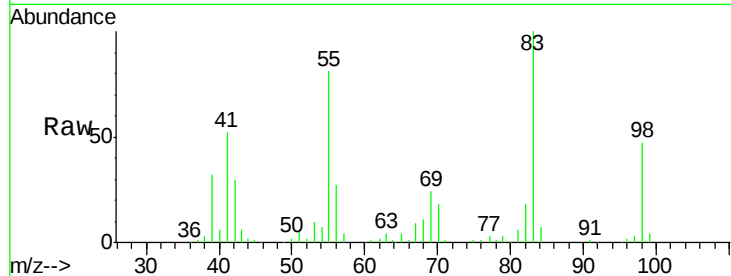
#39
Methvlcvclohexane
Concen: 19.202 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS02

Tot Ion	83	Resp	100127
Ion	Ratio	Lower	Upper
83	100		
55	80.9	61.9	92.9
98	47.1	35.4	53.2

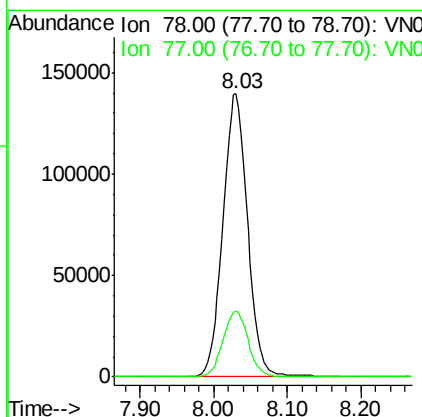
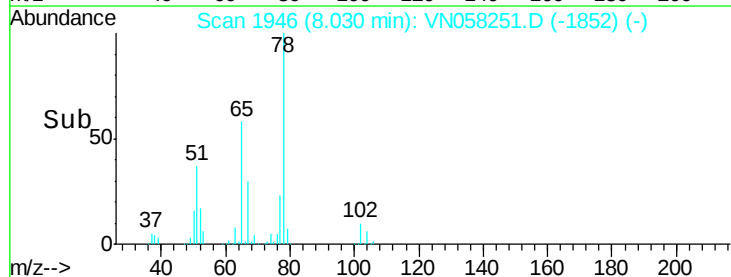
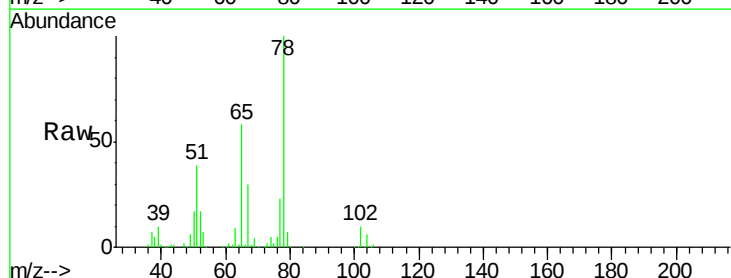
Manual Integrations
APPROVED

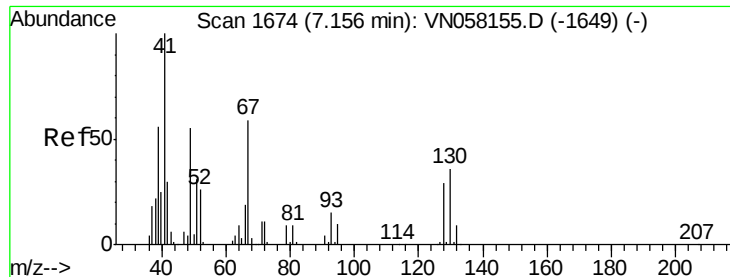
MMDadoda
9/23/2019 3:30:22 PM



#40
Benzene
Concen: 19.630 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Tgt Ion	78	Resp	324101
Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2





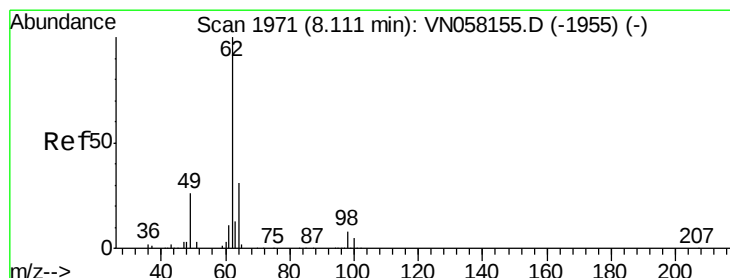
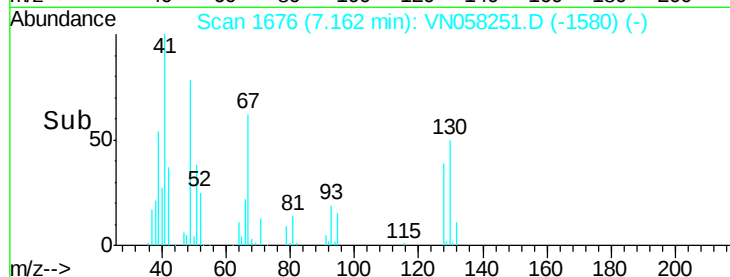
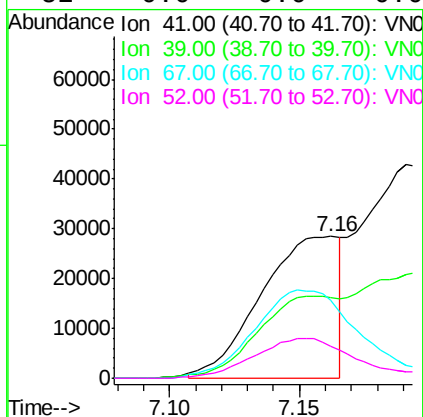
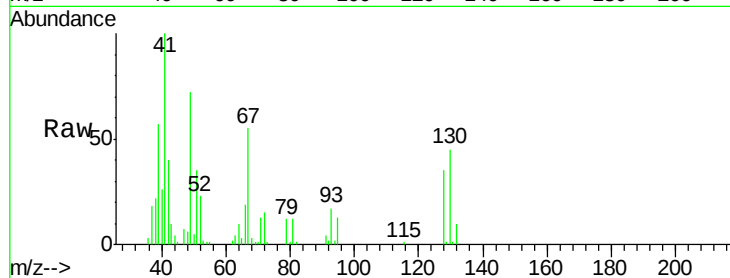
#41
Methacrylonitrile
Concen: 21.670 ug/l m
RT: 7.16 min Scan# 1676
Delta R.T. 0.01 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

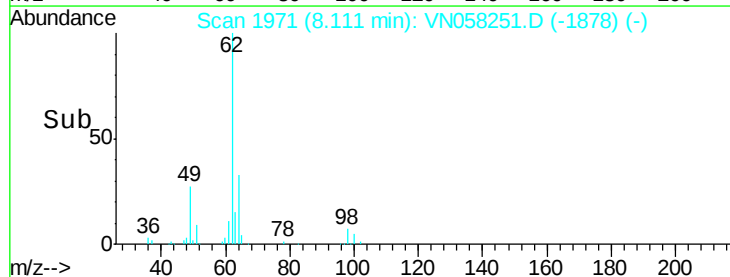
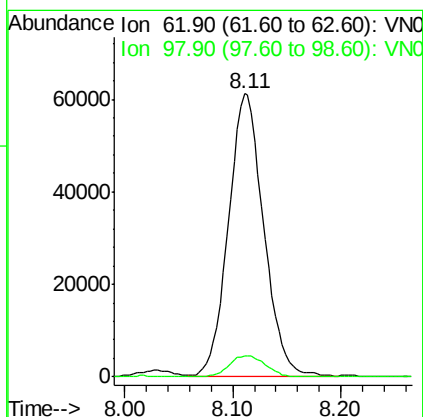
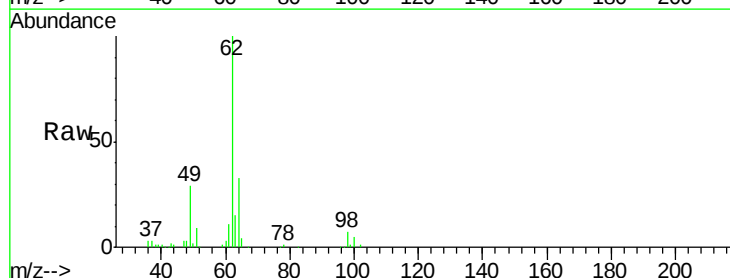
Manual Integrations
APPROVED

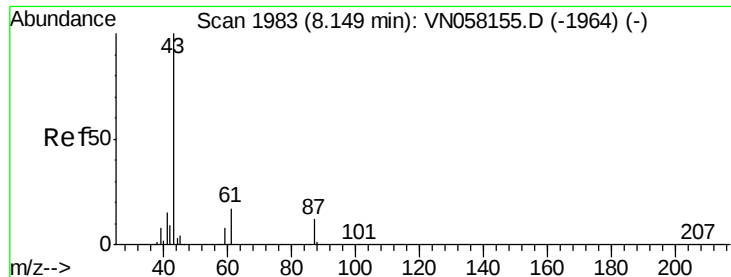
MMDadoda
9/23/2019 3:30:22 PM



#42
1,2-Dichloroethane
Concen: 20.026 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.6





#43

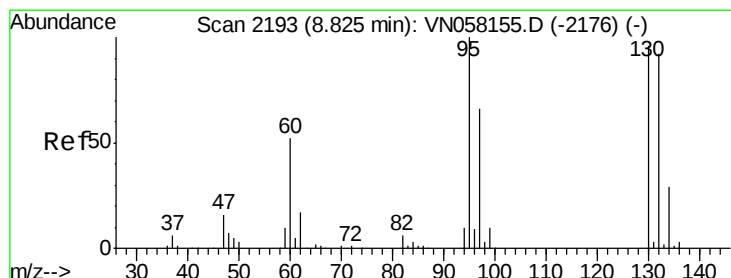
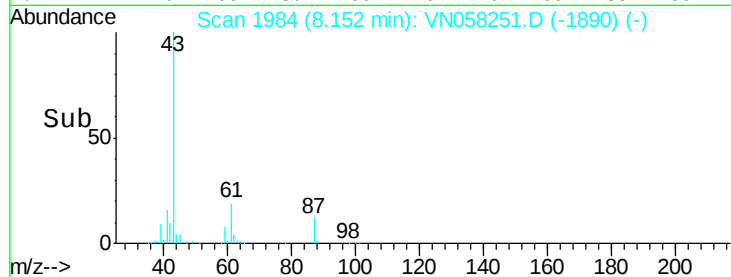
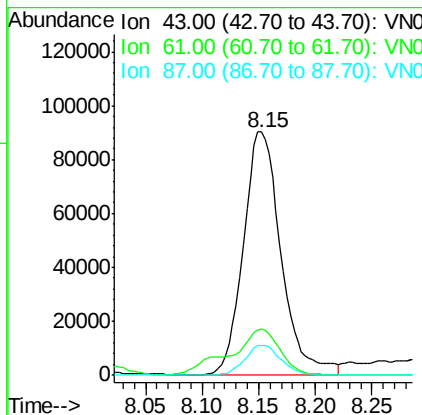
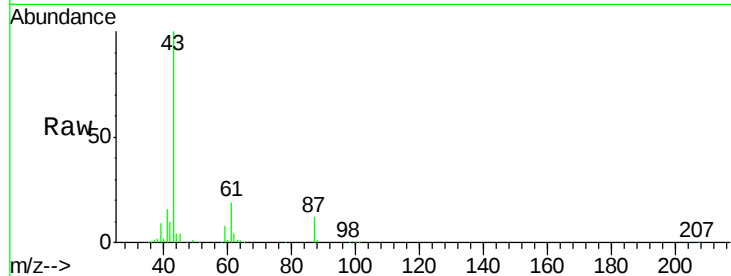
Isopropyl Acetate
 Concen: 19.963 ug/l
 RT: 8.15 min Scan# 1984
 Delta R.T. 0.00 min
 Lab File: VN058251.D
 Acq: 20 Sep 2019 15:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.5	19.7	29.5
87	12.0	9.4	14.2

Manual Integrations
 APPROVED

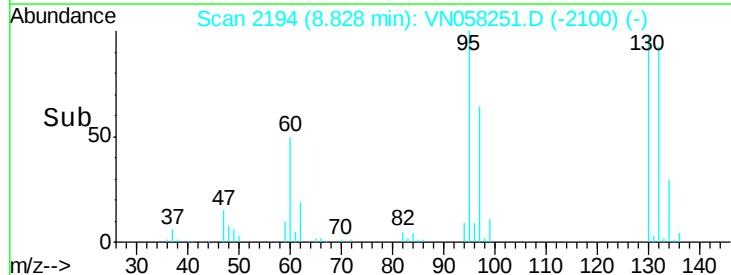
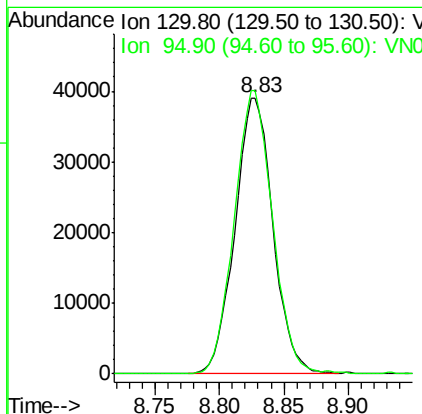
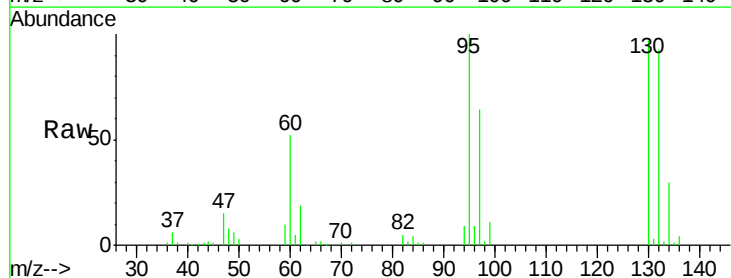
MMDadoda
 9/23/2019 3:30:22 PM

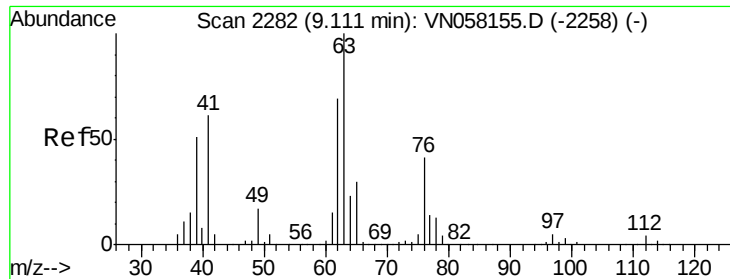


#44

Trichloroethene
 Concen: 19.790 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VN058251.D
 Acq: 20 Sep 2019 15:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.6	0.0	207.8





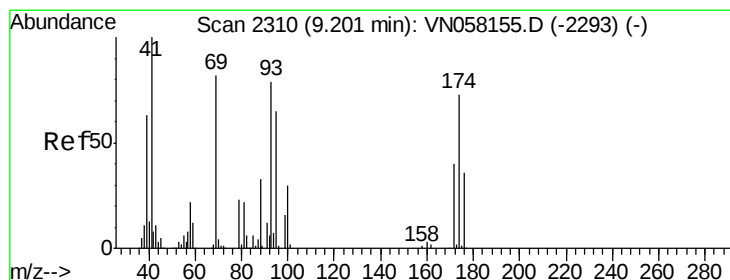
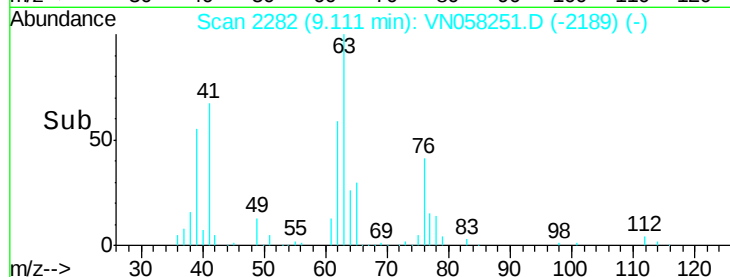
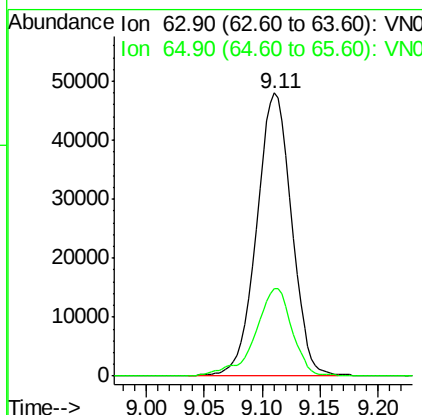
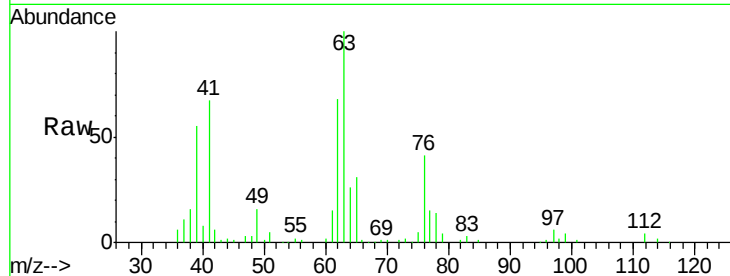
#45
 1,2-Dichloropropane
 Concen: 20.484 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN058251.D
 Acq: 20 Sep 2019 15:36

Instrument :
 MSVOA_N
 ClientSampled :
 VN0920WBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.7	23.8	35.6

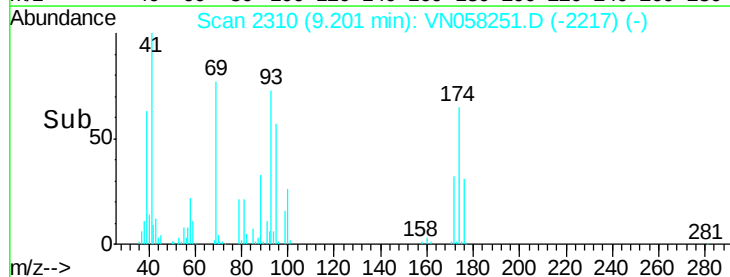
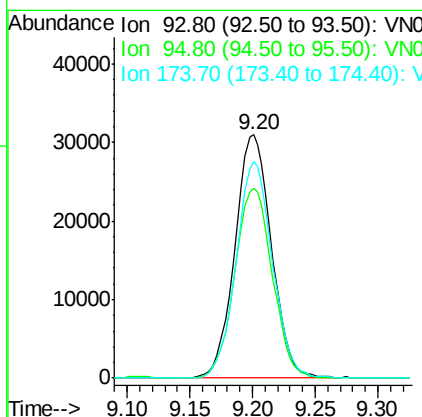
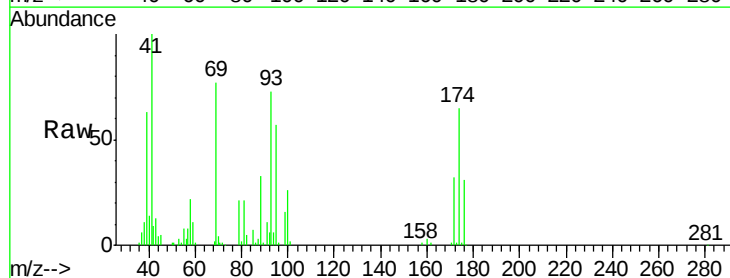
Manual Integrations
 APPROVED

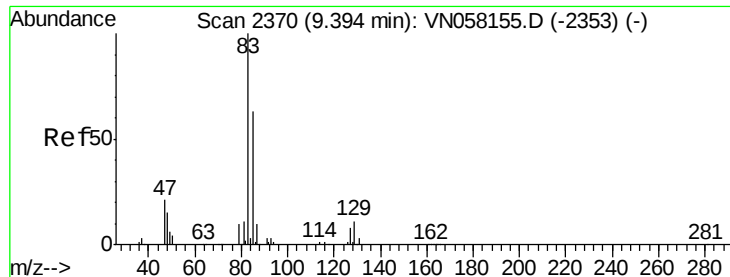
MMDadoda
 9/23/2019 3:30:22 PM



#46
 Dibromomethane
 Concen: 20.916 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN058251.D
 Acq: 20 Sep 2019 15:36

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.1	66.8	100.2
174	88.2	73.8	110.8





#47

Bromodichloromethane

Concen: 20.645 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Instrument :

MSVOA_N

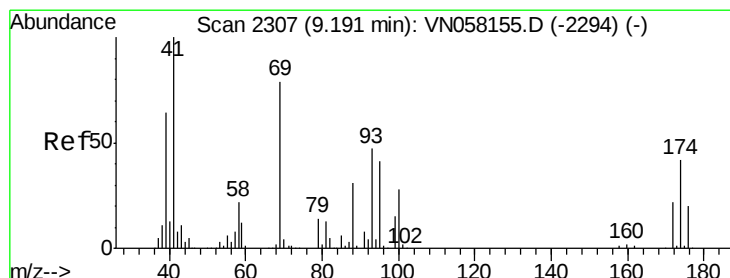
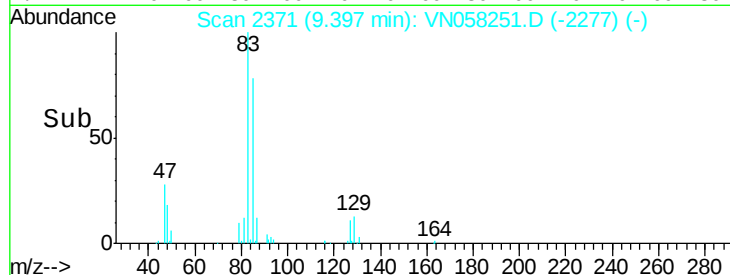
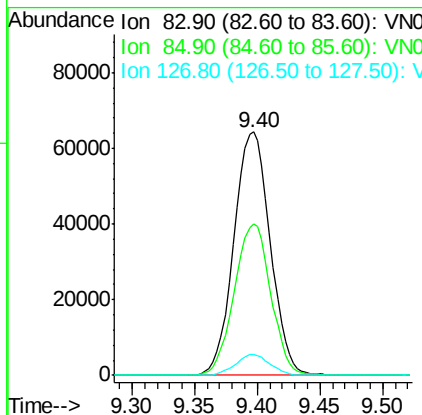
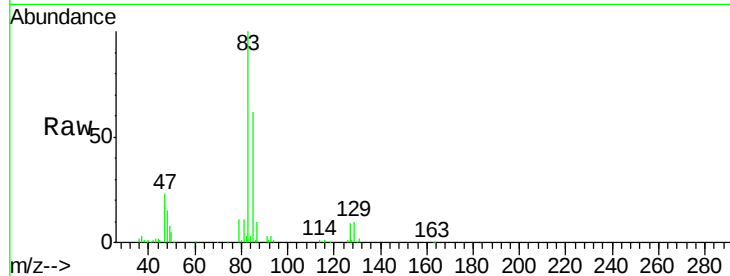
ClientSampleId :

VN0920WBS02

Tot Ion:	83	Resp:	129656
Ion Ratio	Lower	Upper	
83	100		
85	62.2	50.1	75.1
127	8.8	6.4	9.6

Manual Integrations
APPROVED

MMDadoda
9/23/2019 3:30:22 PM



#48

Methyl methacrylate

Concen: 20.918 ug/l

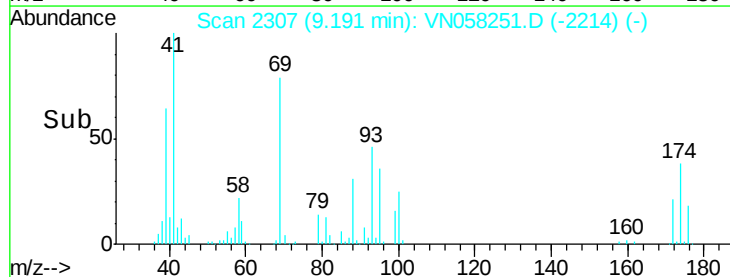
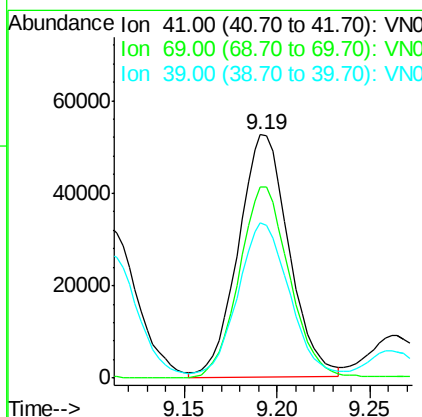
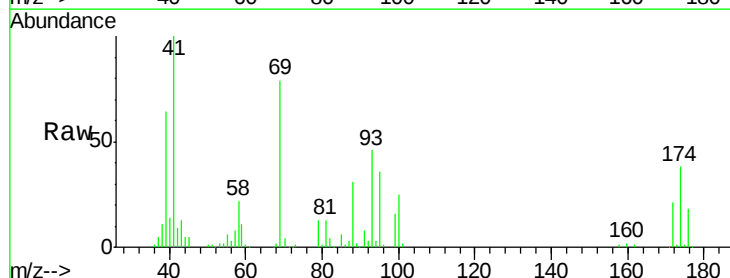
RT: 9.19 min Scan# 2307

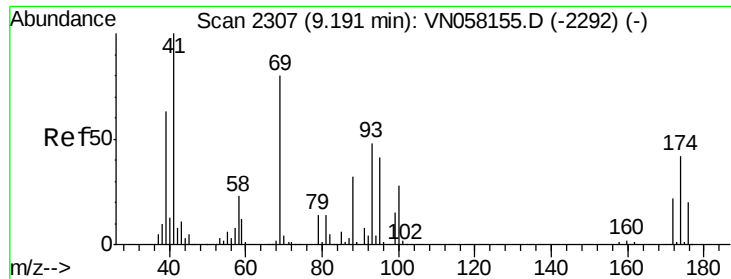
Delta R.T. -0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Tgt Ion:	41	Resp:	99503
Ion Ratio	Lower	Upper	
41	100		
69	78.8	62.5	93.7
39	64.8	52.3	78.5





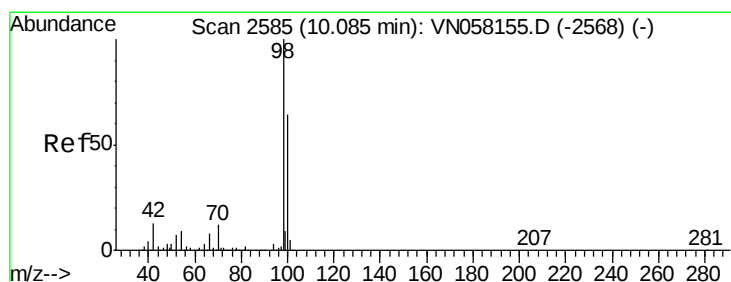
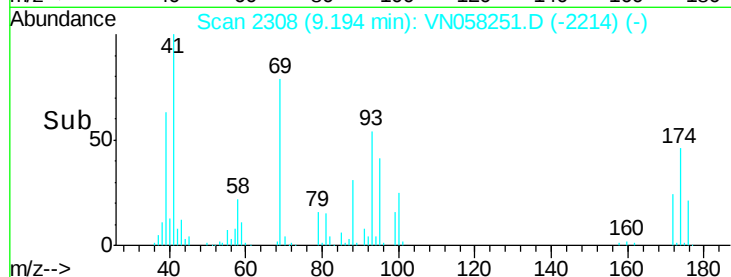
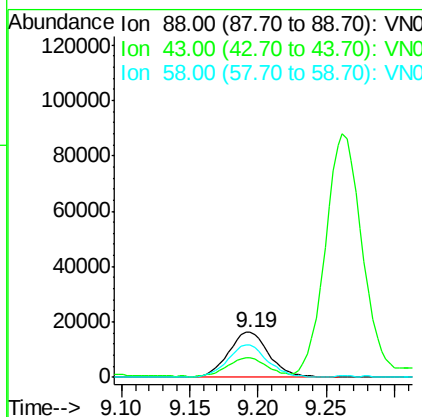
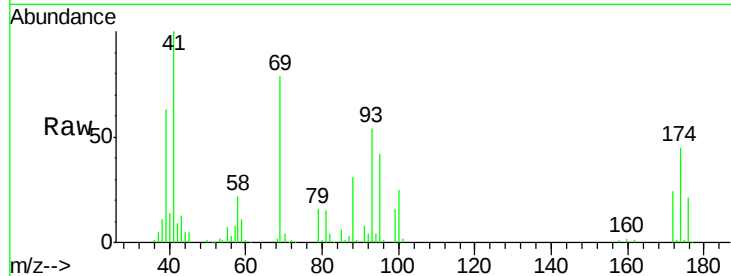
#49
1,4-Dioxane
Concen: 430.991 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.8	27.8	41.8
58	70.6	55.0	82.4

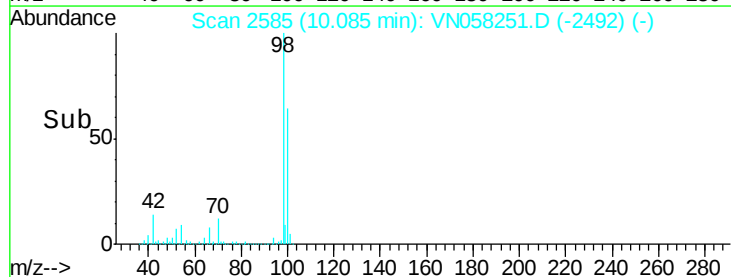
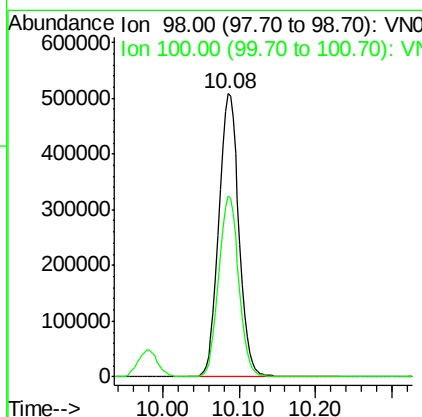
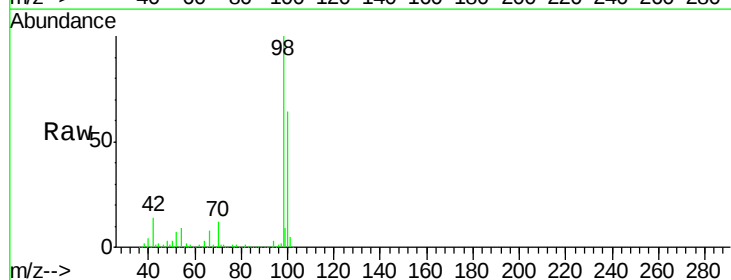
Manual Integrations
APPROVED

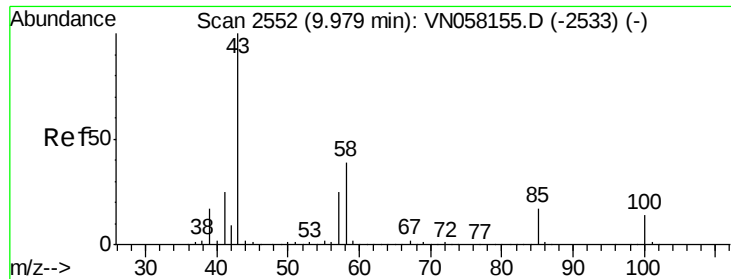
MMDadoda
9/23/2019 3:30:22 PM



#50
Toluene-d8
Concen: 52.544 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 119.518 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBS02

Tot Ion: 43 Resp: 665090

Ion Ratio Lower Upper

43 100

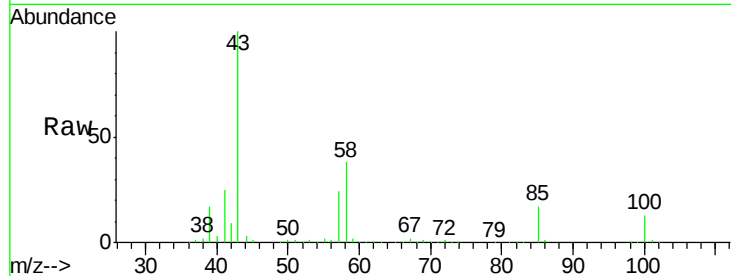
58 37.1 30.2 45.4

Manual Integrations

APPROVED

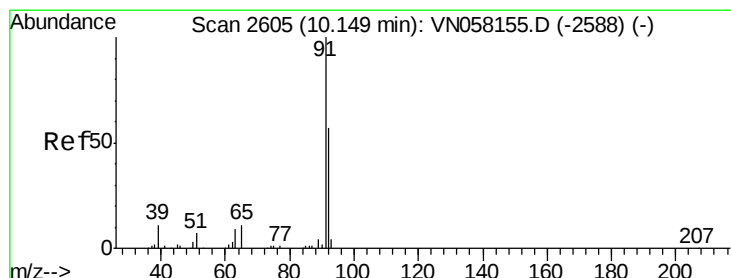
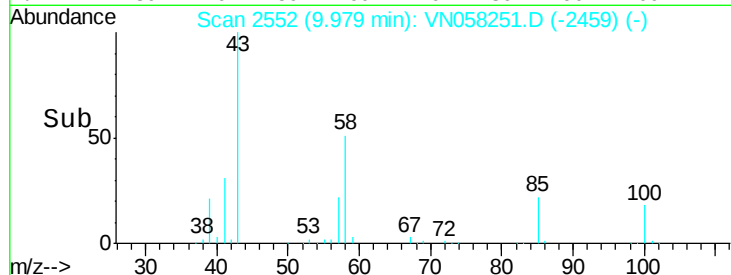
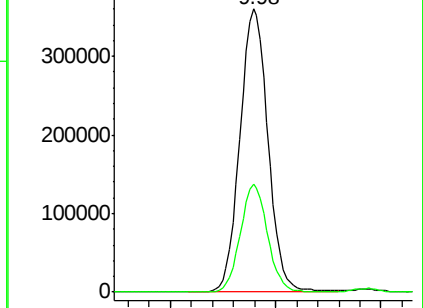
MMDadoda

9/23/2019 3:30:22 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.565 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058251.D

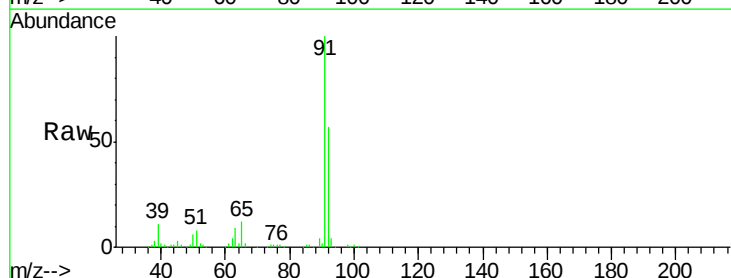
Acq: 20 Sep 2019 15:36

Tgt Ion: 92 Resp: 202442

Ion Ratio Lower Upper

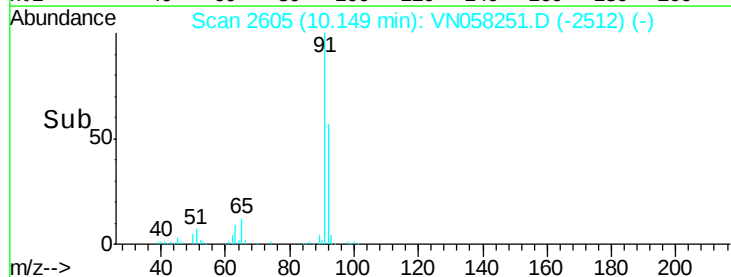
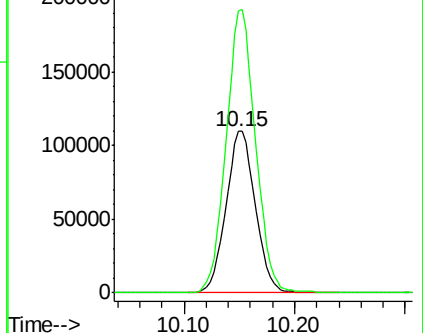
92 100

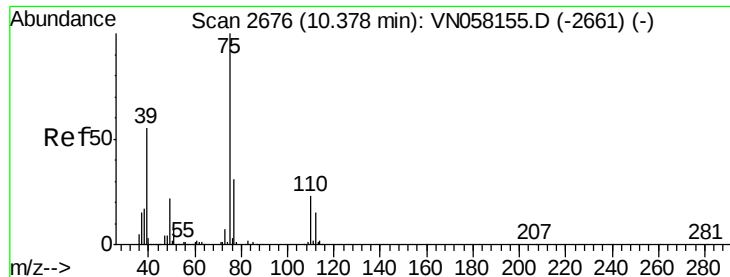
91 174.8 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.646 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBS02

Tot Ion: 75 Resp: 126381

Ion Ratio Lower Upper

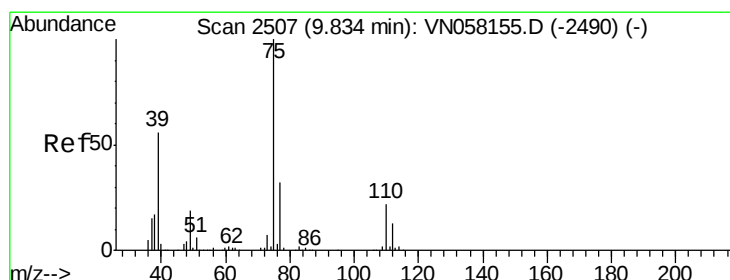
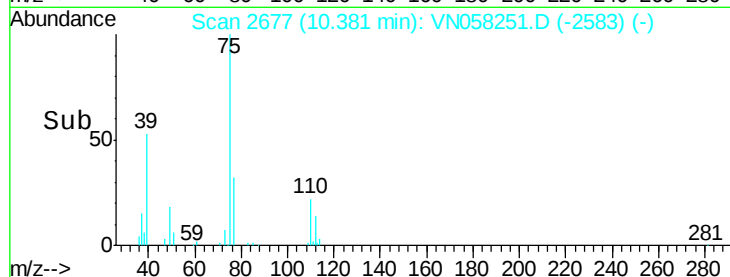
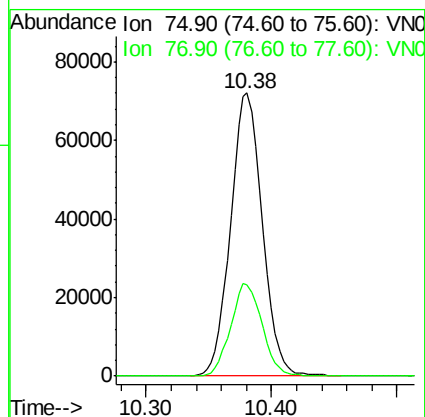
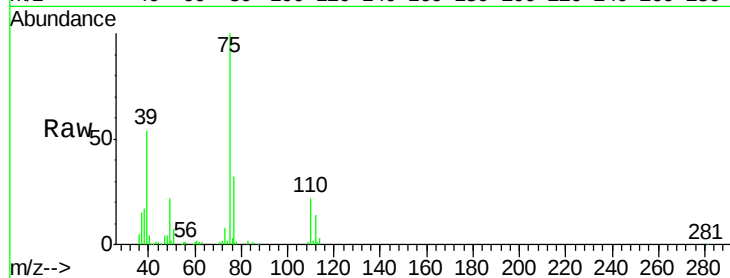
75 100

77 32.4 24.9 37.3

Manual Integrations
APPROVED

MMDadoda

9/23/2019 3:30:22 PM



#54

cis-1,3-Dichloropropene

Concen: 19.899 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

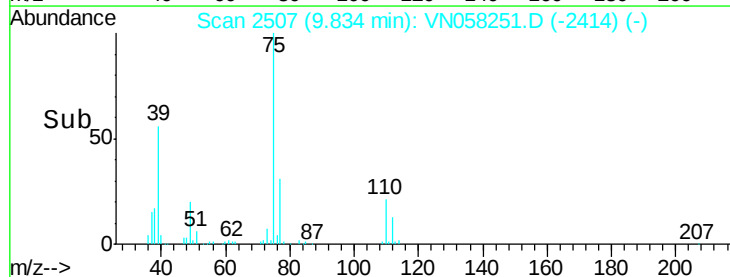
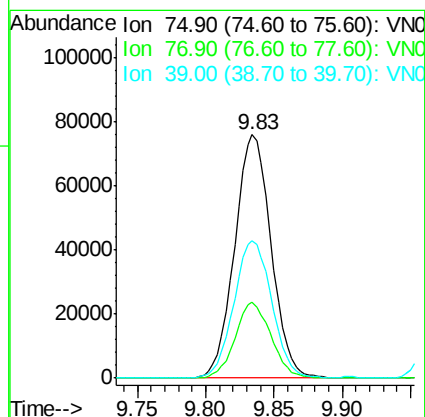
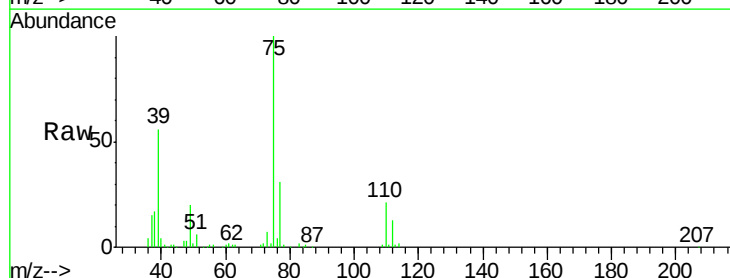
Tgt Ion: 75 Resp: 141336

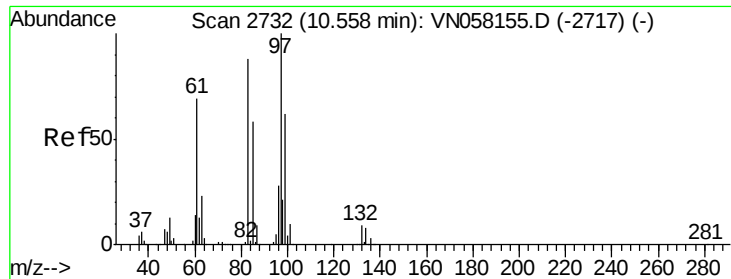
Ion Ratio Lower Upper

75 100

77 31.0 25.4 38.0

39 56.3 45.0 67.6





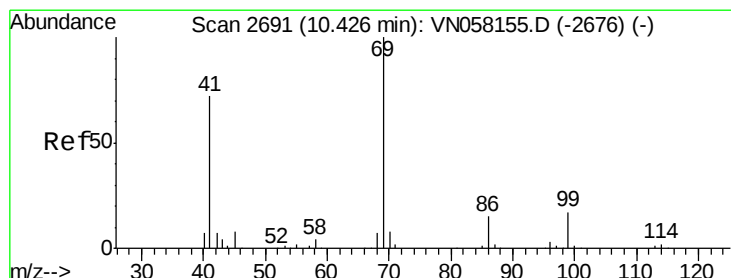
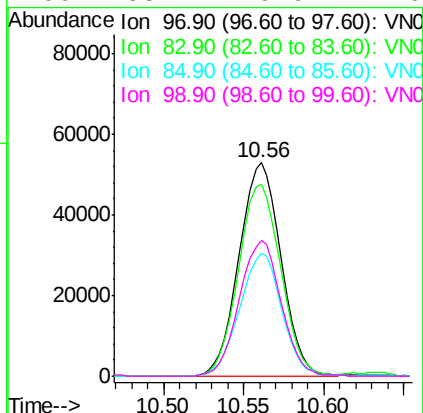
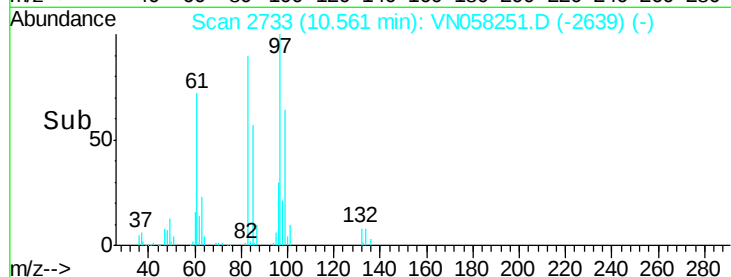
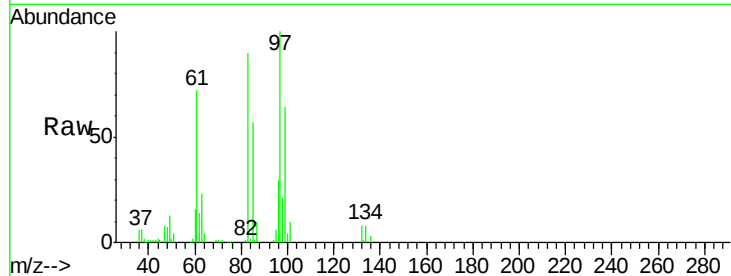
#55
 1,1,2-Trichloroethane
 Concen: 20.665 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058251.D
 Acq: 20 Sep 2019 15:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS02

Tot Ion	Ion	Ratio	Lower	Upper
97	97	100		
83	83	89.7	70.4	105.6
85	85	57.4	46.8	70.2
99	99	63.7	49.9	74.9

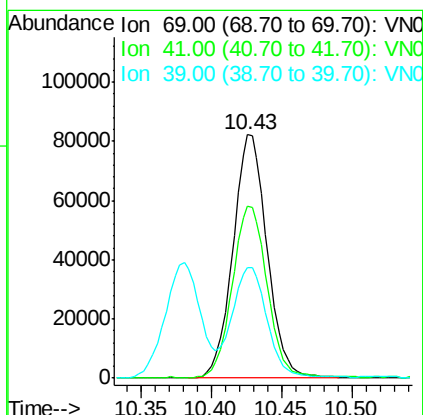
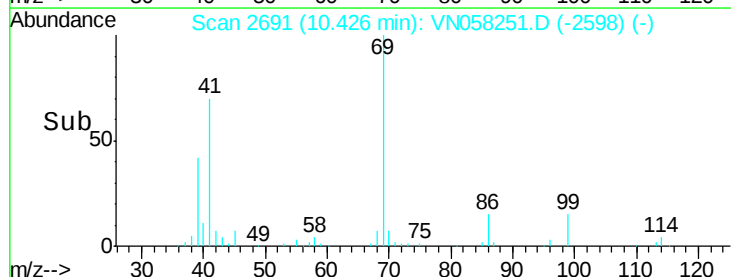
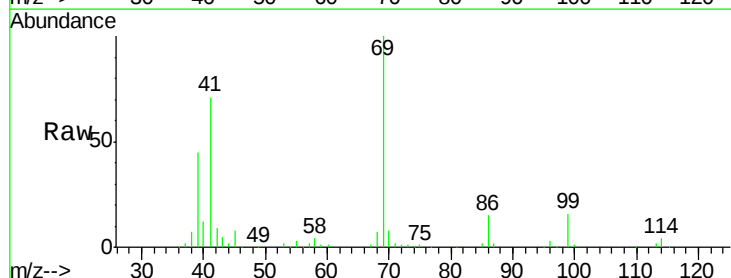
Manual Integrations
 APPROVED

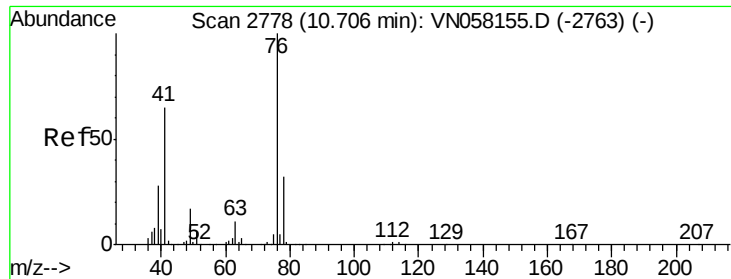
MMDadoda
 9/23/2019 3:30:22 PM



#56
 Ethyl methacrylate
 Concen: 21.024 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN058251.D
 Acq: 20 Sep 2019 15:36

Tgt Ion	Ion	Ratio	Lower	Upper
69	69	100		
41	41	71.5	57.5	86.3
39	39	46.3	36.1	54.1





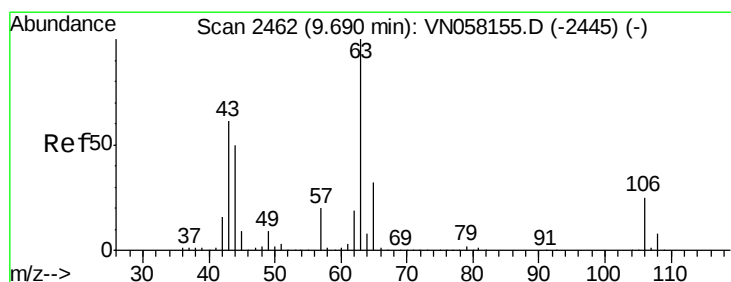
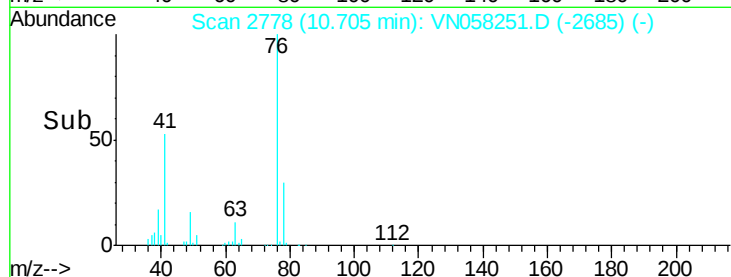
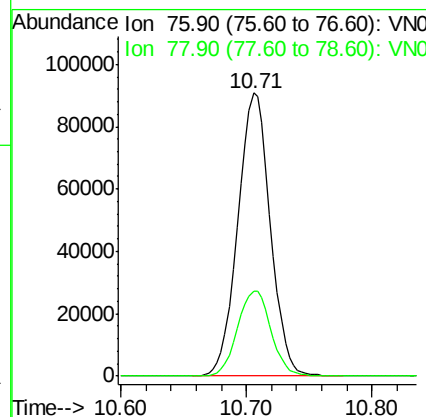
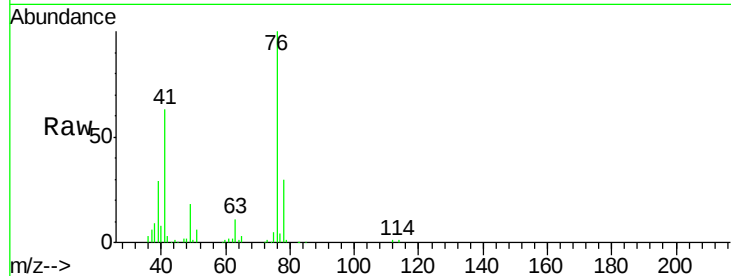
#57
 1,3-Dichloropropane
 Concen: 20.678 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN058251.D
 Acq: 20 Sep 2019 15:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.2	25.4	38.0

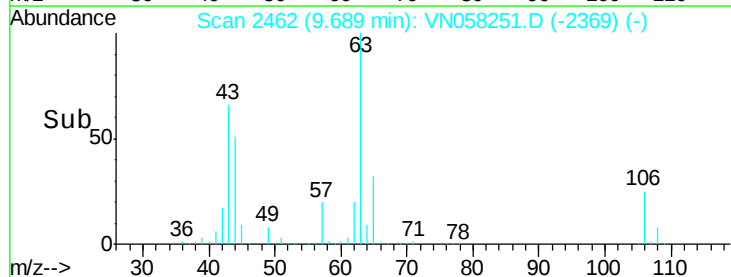
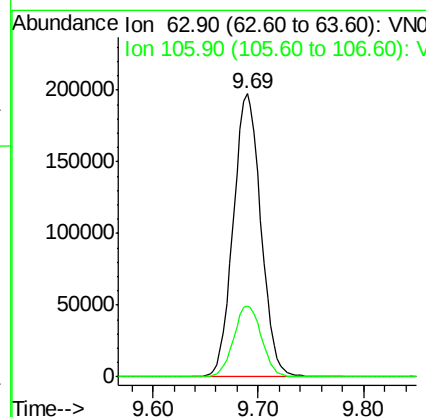
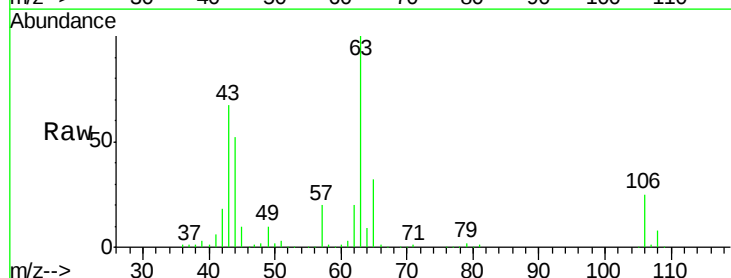
Manual Integrations
 APPROVED

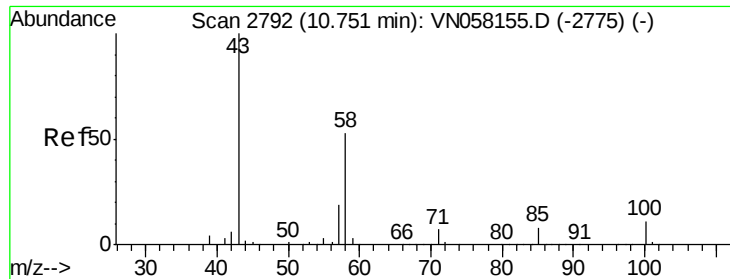
MMDadoda
 9/23/2019 3:30:22 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 113.045 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VN058251.D
 Acq: 20 Sep 2019 15:36

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.3	19.9	29.9





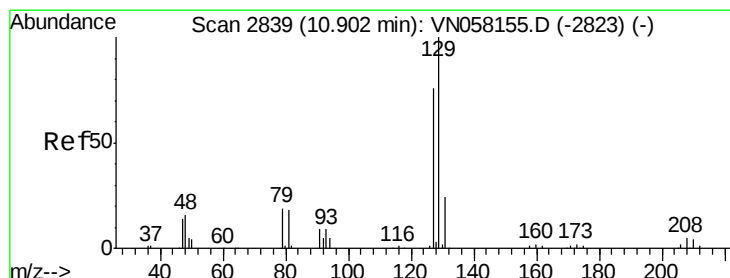
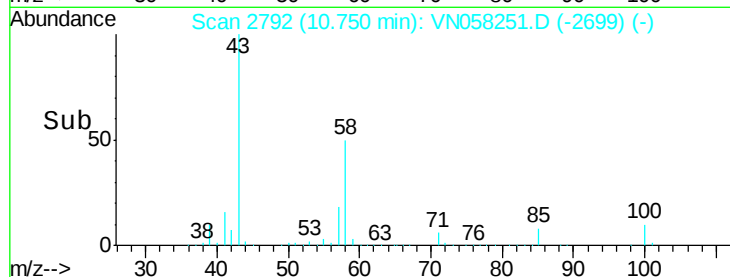
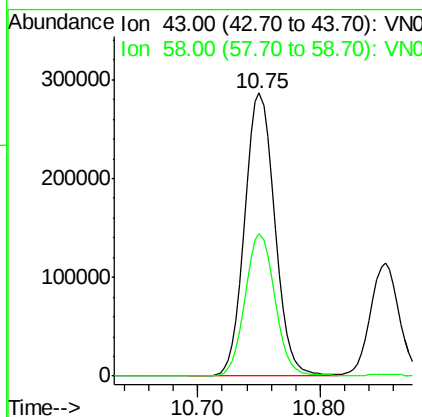
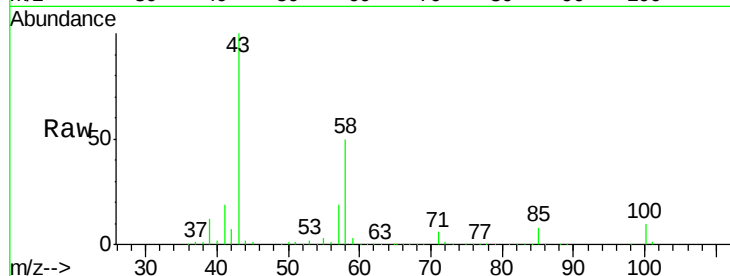
#59
2-Hexanone
Concen: 117.214 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS02

Tot Ion: 43 Resp: 484433
Ion Ratio Lower Upper
43 100
58 50.2 26.0 78.0

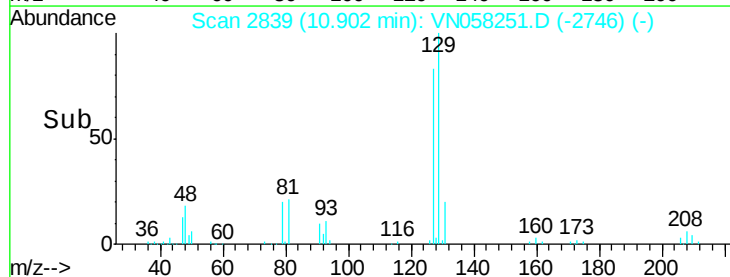
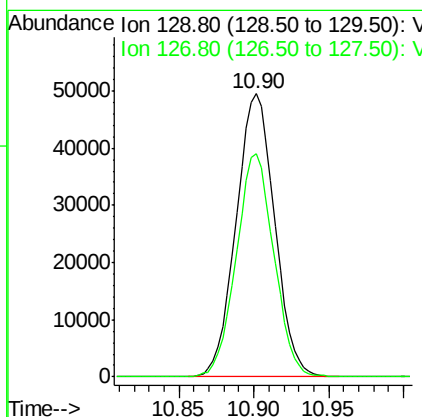
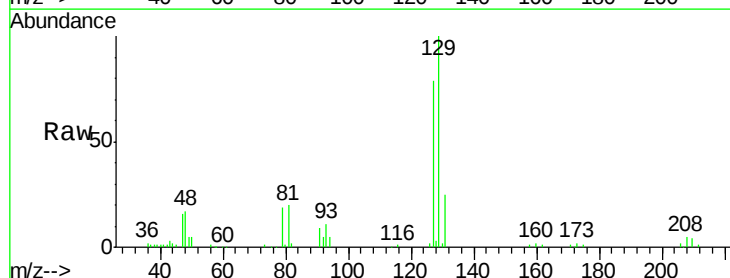
Manual Integrations
APPROVED

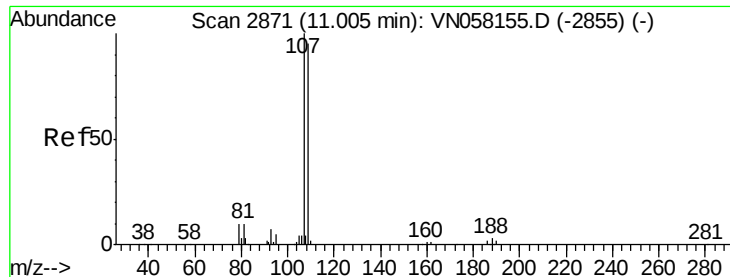
MMDadoda
9/23/2019 3:30:22 PM



#60
Dibromochloromethane
Concen: 20.114 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Tgt Ion: 129 Resp: 88854
Ion Ratio Lower Upper
129 100
127 76.9 38.7 116.1





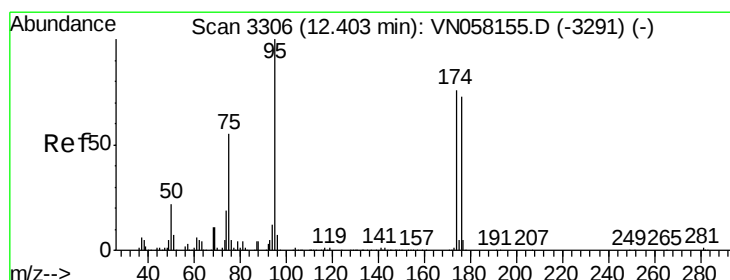
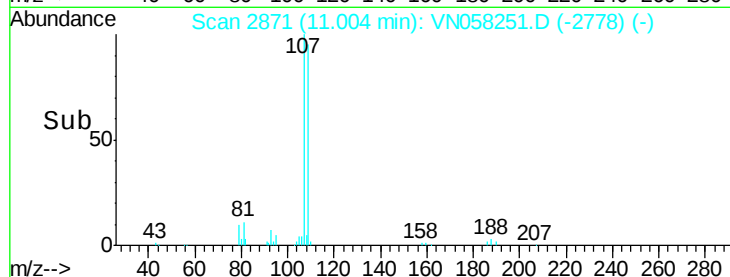
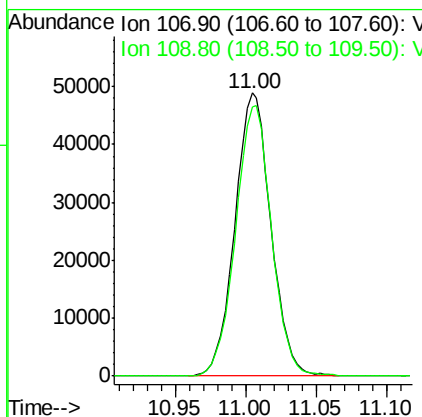
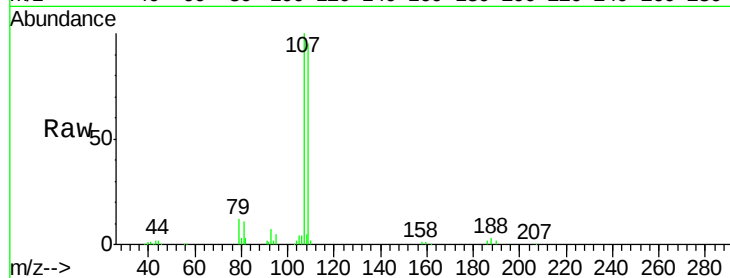
#61
 1,2-Dibromoethane
 Concen: 20.487 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058251.D
 Acq: 20 Sep 2019 15:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.6	75.4	113.2

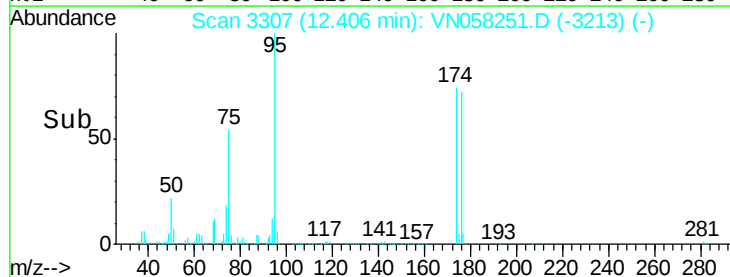
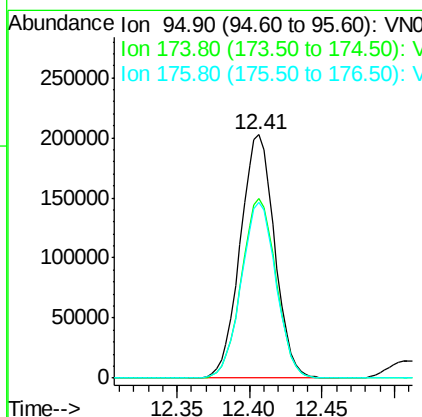
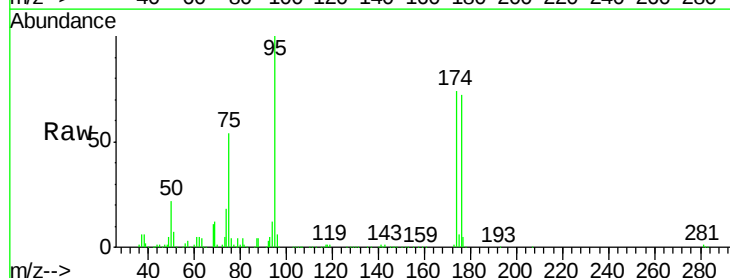
Manual Integrations
 APPROVED

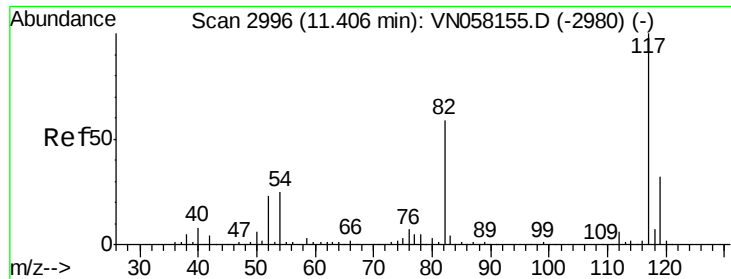
MMDadoda
 9/23/2019 3:30:22 PM



#62
 4-Bromofluorobenzene
 Concen: 50.791 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058251.D
 Acq: 20 Sep 2019 15:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.5	0.0	152.2
176	72.6	0.0	148.0





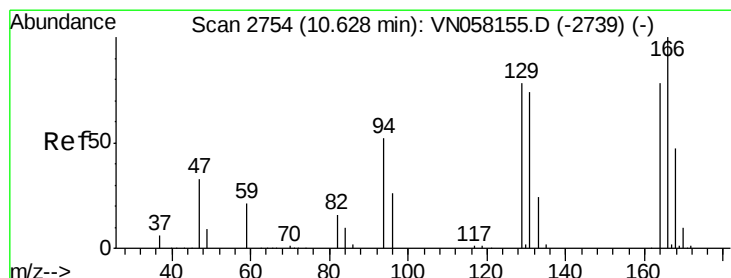
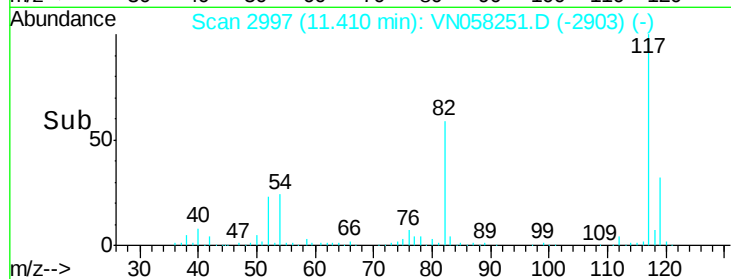
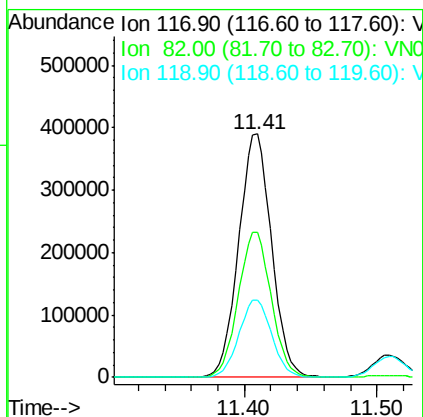
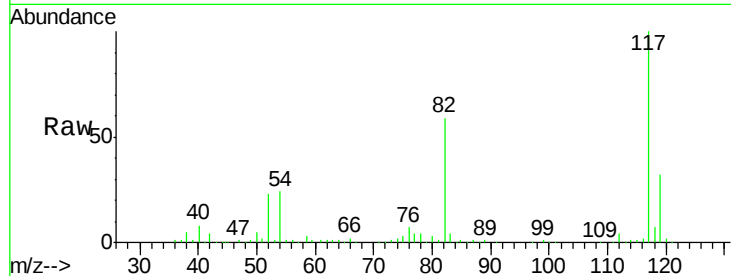
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.4	46.9	70.3
119	31.7	25.3	37.9

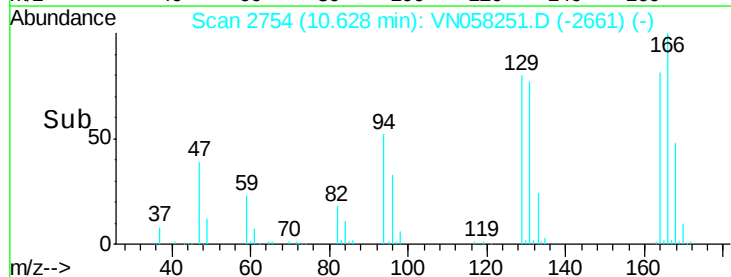
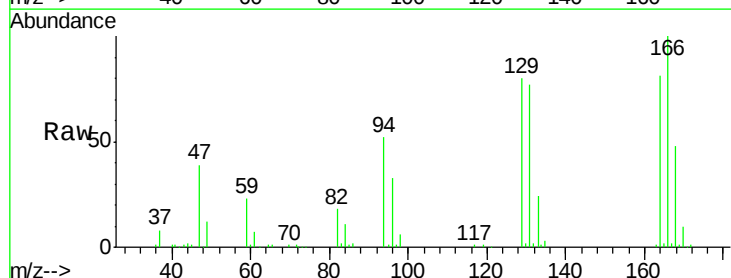
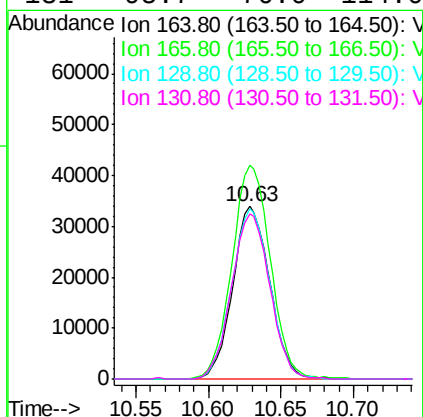
Manual Integrations
APPROVED

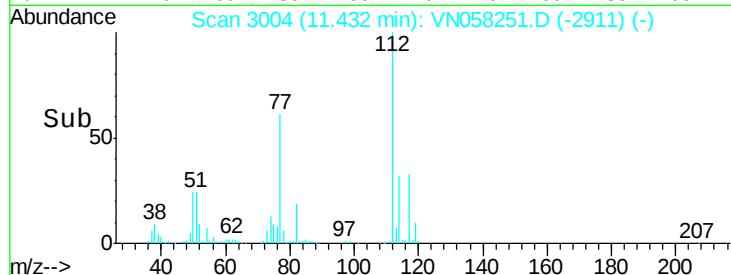
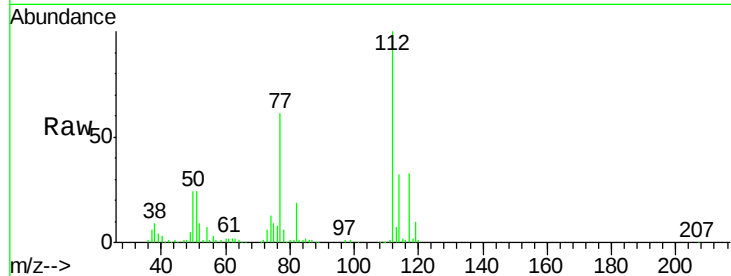
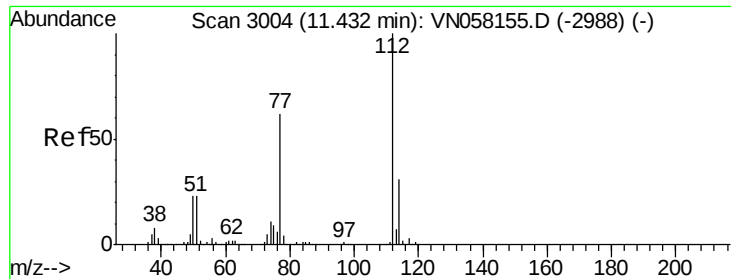
MMDadoda
9/23/2019 3:30:22 PM



#64
Tetrachloroethene
Concen: 18.404 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.7	102.2	153.4
129	98.4	79.6	119.4
131	95.7	76.0	114.0





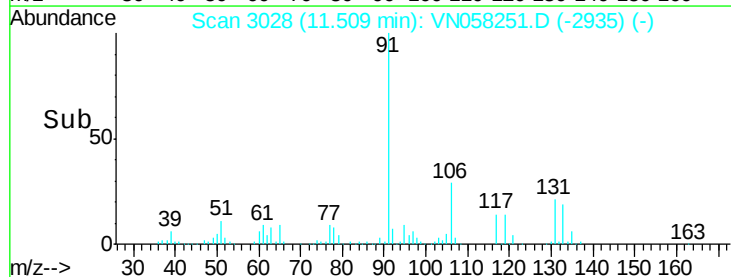
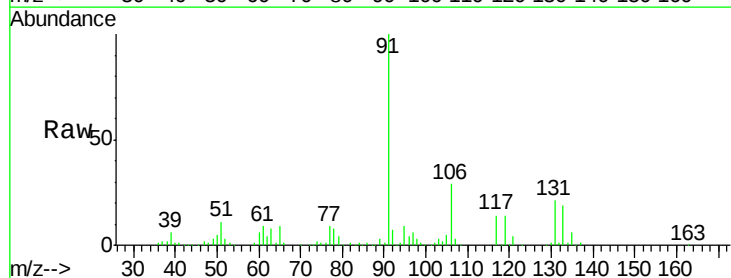
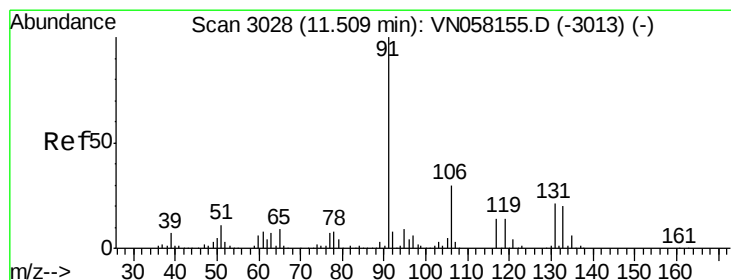
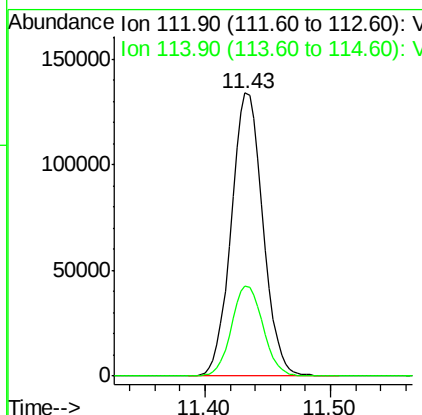
#65
Chlorobenzene
Concen: 19.889 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Tot Ion:112 Resp: 234865
Ion Ratio Lower Upper
112 100
114 31.9 25.1 37.7

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS02

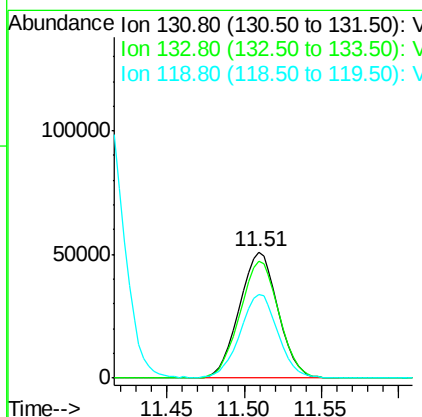
Manual Integrations
APPROVED

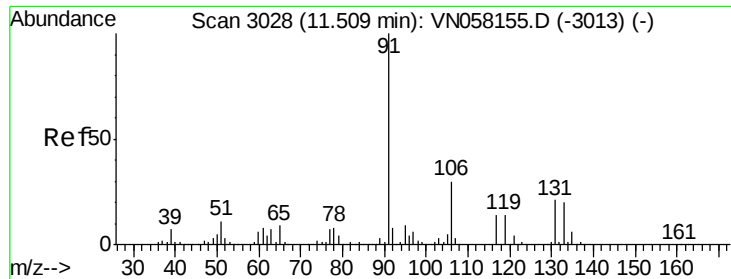
MMDadoda
9/23/2019 3:30:22 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.664 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Tgt Ion:131 Resp: 88481
Ion Ratio Lower Upper
131 100
133 94.2 47.8 143.3
119 65.6 33.1 99.3





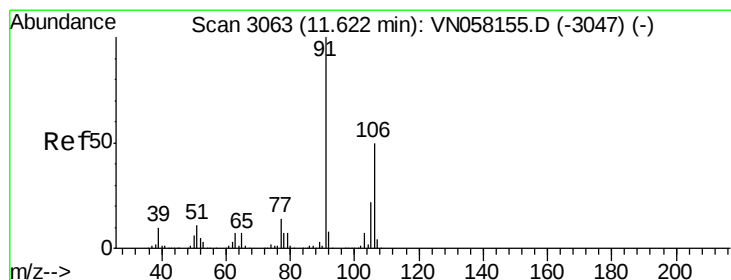
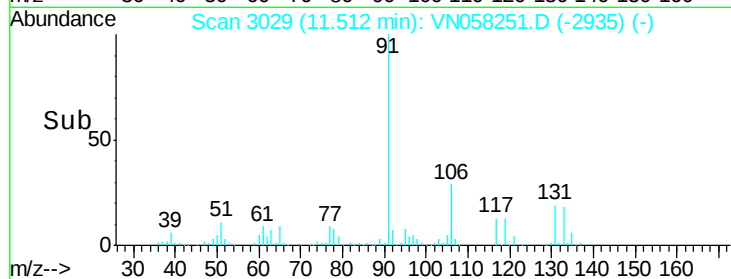
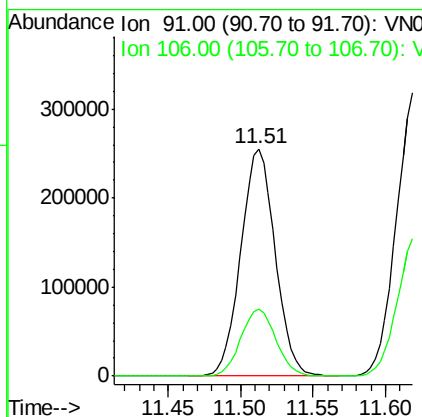
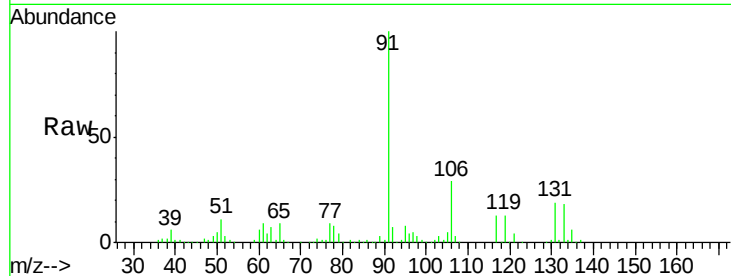
#67
Ethyl Benzene
Concen: 20.823 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS02

Tot Ion: 91 Resp: 421341
Ion Ratio Lower Upper
91 100
106 29.5 24.0 36.0

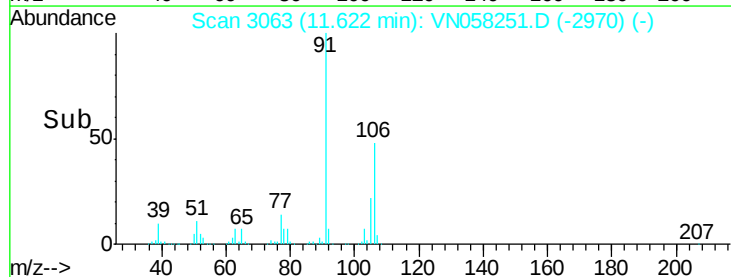
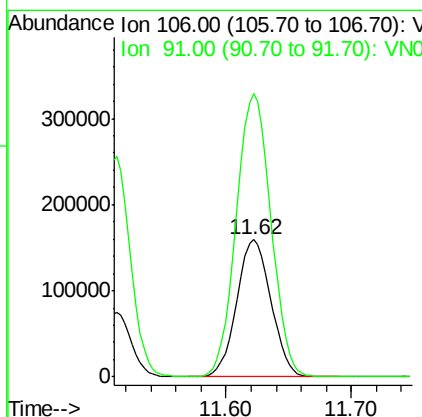
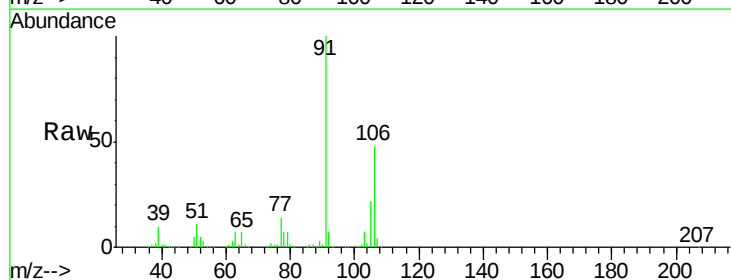
Manual Integrations
APPROVED

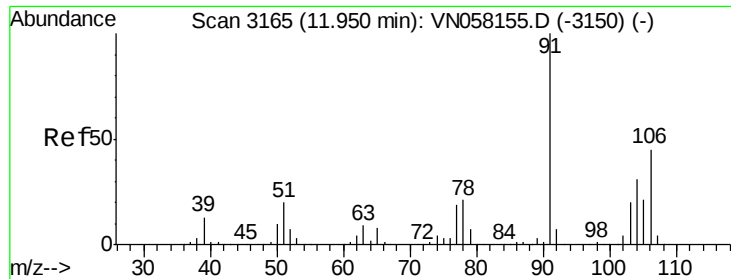
MMDadoda
9/23/2019 3:30:22 PM



#68
m/p-Xylenes
Concen: 39.699 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Tgt Ion: 106 Resp: 302540
Ion Ratio Lower Upper
106 100
91 209.3 163.6 245.4





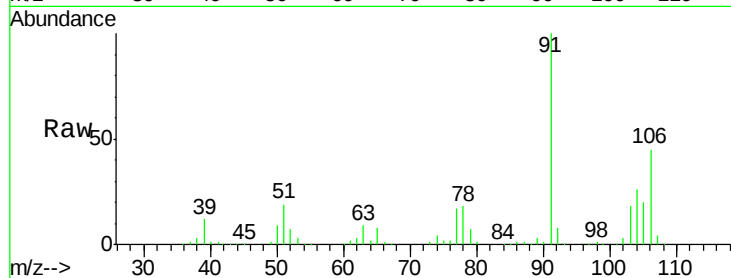
#69
o-Xylene
Concen: 20.394 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS02

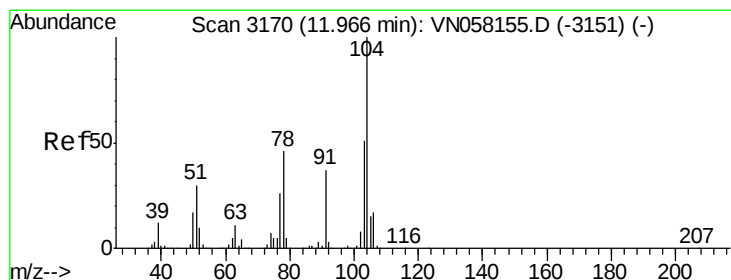
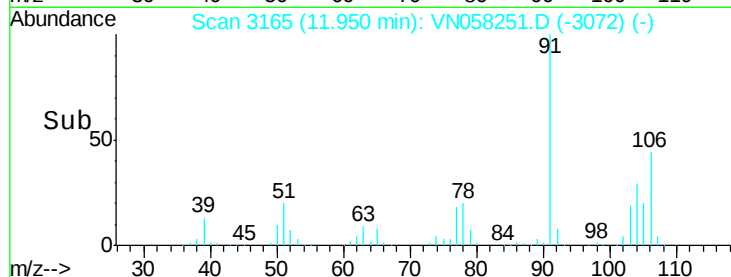
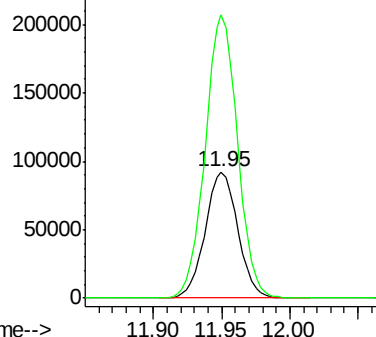
Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		152824		
91	222.3	111.8	335.3		

Manual Integrations
APPROVED

MMDadoda
9/23/2019 3:30:22 PM

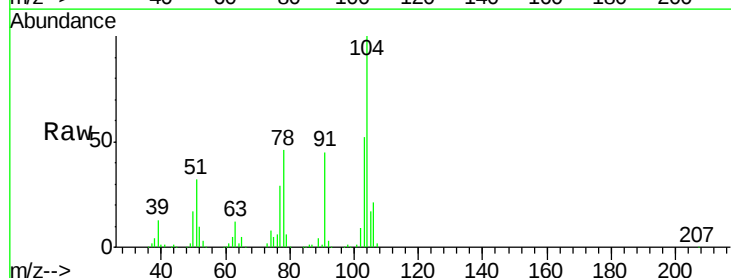


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

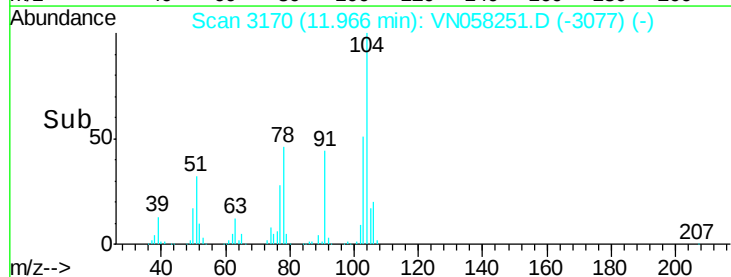
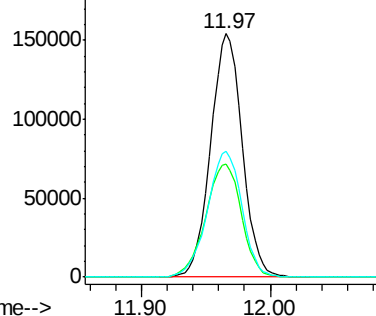


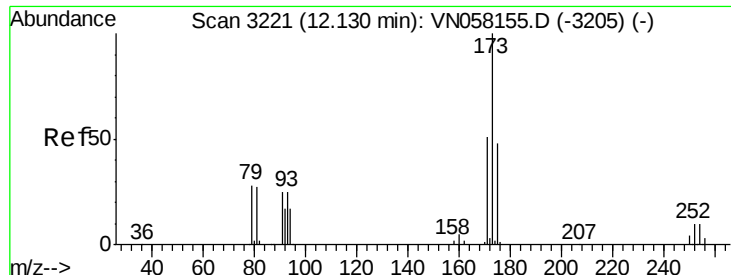
#70
Styrene
Concen: 20.373 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		263039		
78	52.5	41.8	62.8		
103	56.4	44.2	66.2		



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





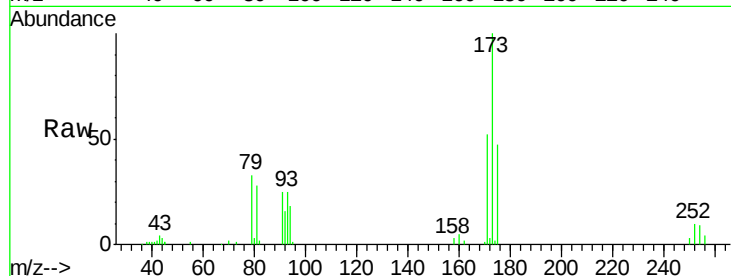
#71
 Bromoform
 Concen: 19.524 ug/l
 RT: 12.13 min Scan# 3221
 Delta R.T. 0.00 min
 Lab File: VN058251.D
 Acq: 20 Sep 2019 15:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.2	72.6
254	0.0	0.1	0.1#

Manual Integrations
 APPROVED

MMDadoda
 9/23/2019 3:30:22 PM

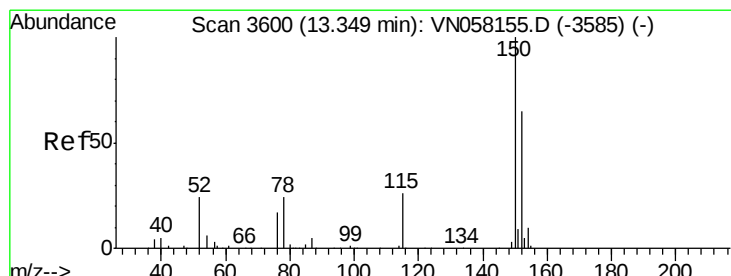
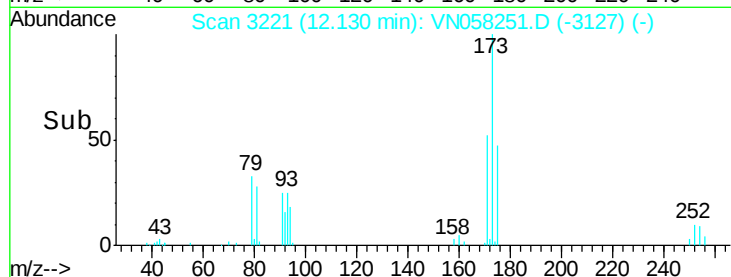
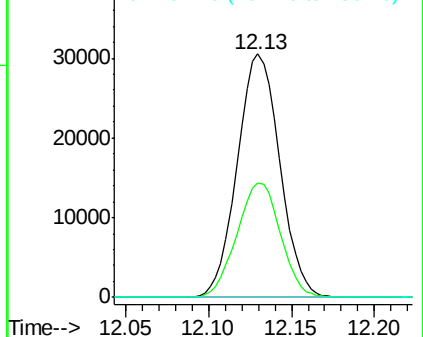


Abundance

Ion 172.70 (172.40 to 173.40): V

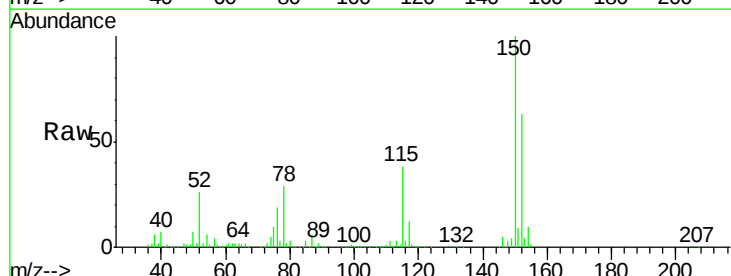
Ion 174.70 (174.40 to 175.40): V

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: VN058251.D
 Acq: 20 Sep 2019 15:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.4	30.1	90.3
150	161.6	0.0	346.4

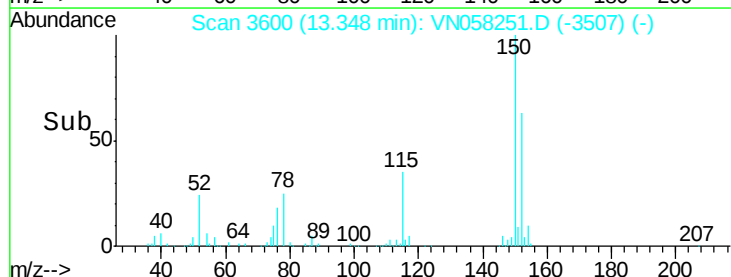
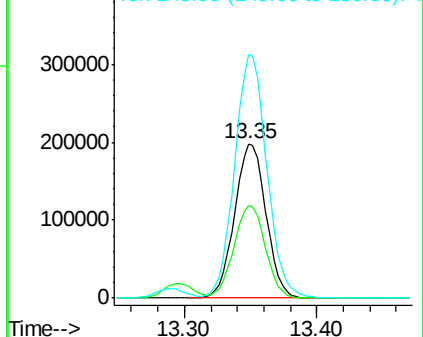


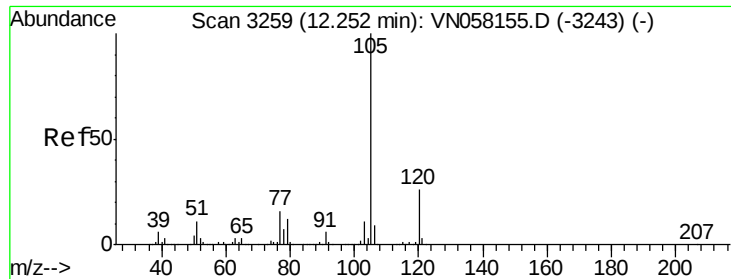
Abundance

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: 21.457 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBS02

Tot Ion: 105 Resp: 435397

Ion Ratio Lower Upper

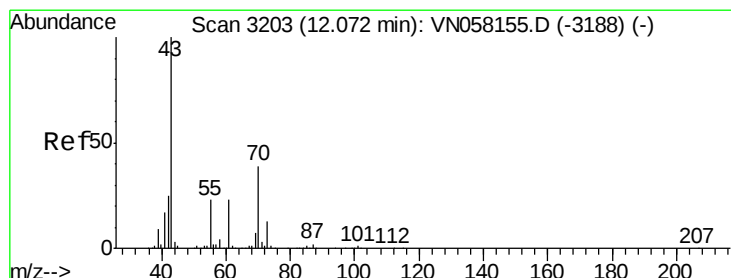
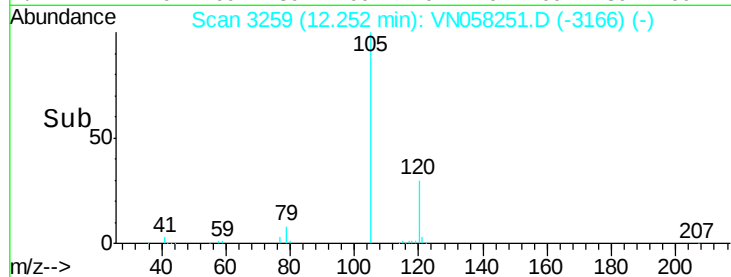
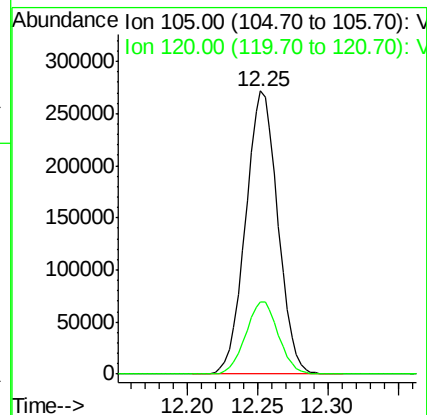
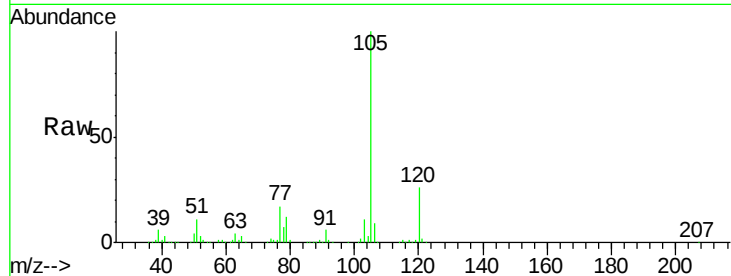
105 100

120 25.9 12.8 38.3

Manual Integrations
APPROVED

MMDadoda

9/23/2019 3:30:22 PM



#74

N-ethyl acetate

Concen: 21.747 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Tgt Ion: 43 Resp: 184602

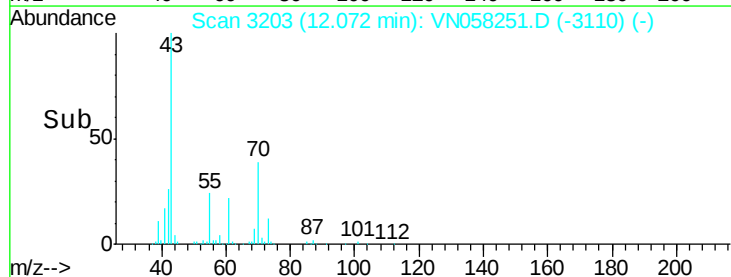
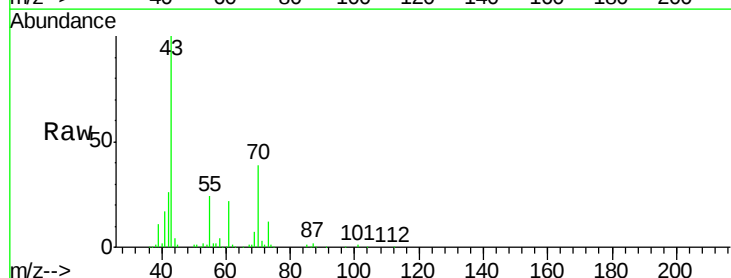
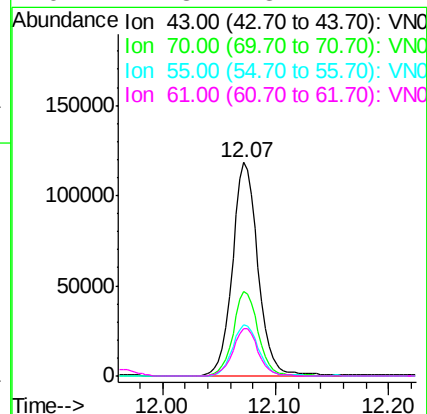
Ion Ratio Lower Upper

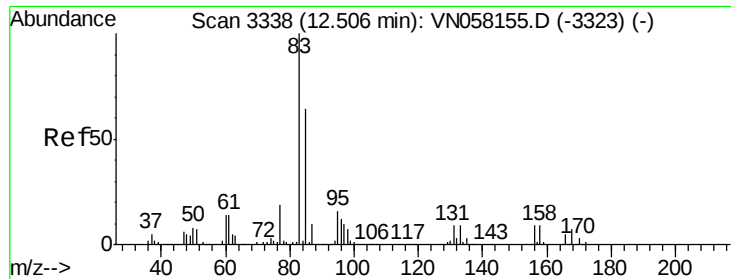
43 100

70 39.0 31.0 46.6

55 24.7 18.5 27.7

61 22.3 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.800 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Instrument :

MSVOA_N

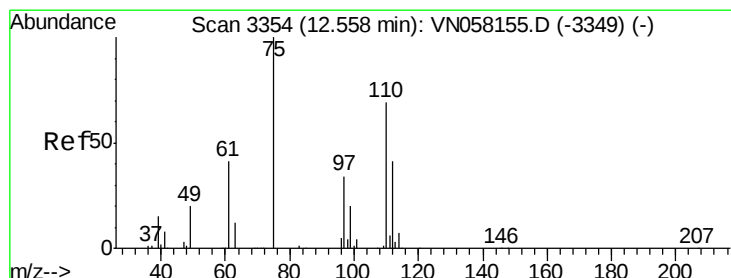
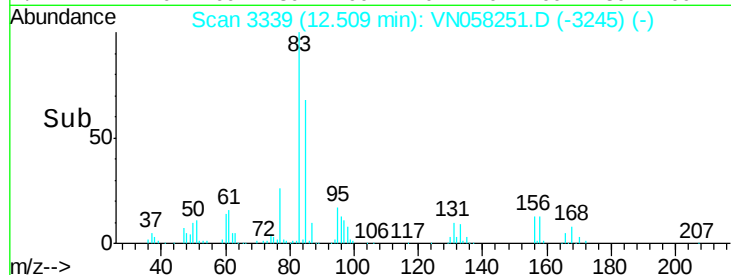
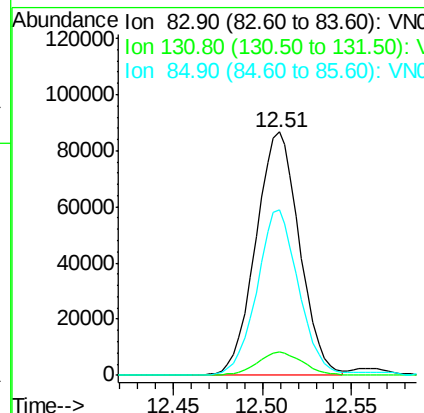
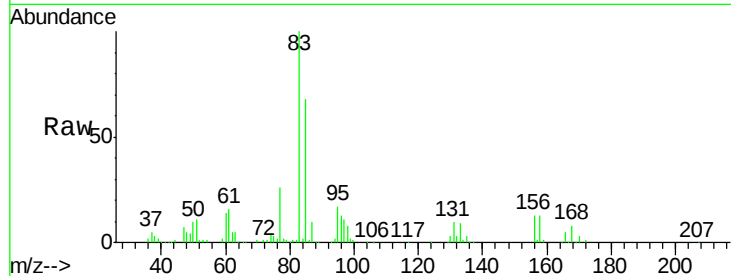
ClientSampleId :

VN0920WBS02

Tot Ion:	83	Resp:	148136
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.8	14.3
85	64.8	31.9	95.5

Manual Integrations
APPROVED

MMDadoda
9/23/2019 3:30:22 PM



#76

1,2,3-Trichloropropane

Concen: 23.467 ug/l m

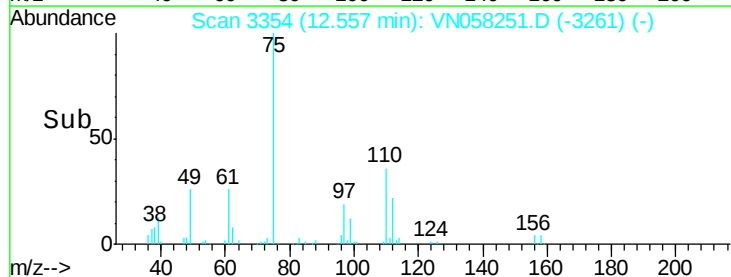
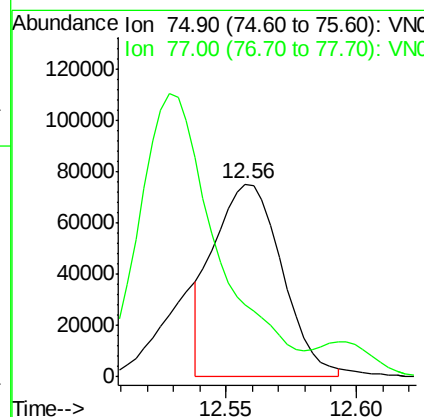
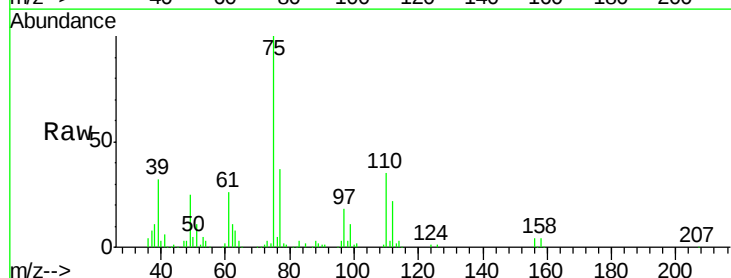
RT: 12.56 min Scan# 3354

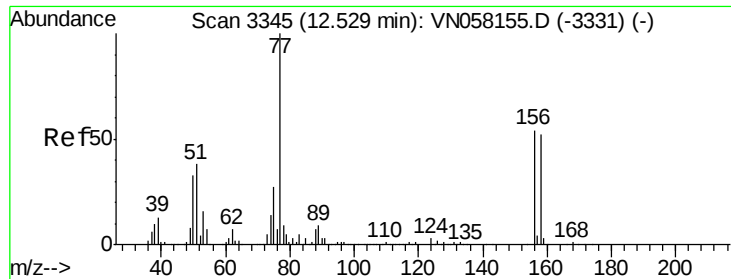
Delta R.T. -0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Tgt Ion:	75	Resp:	136153
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.681 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Instrument :

MSVOA_N

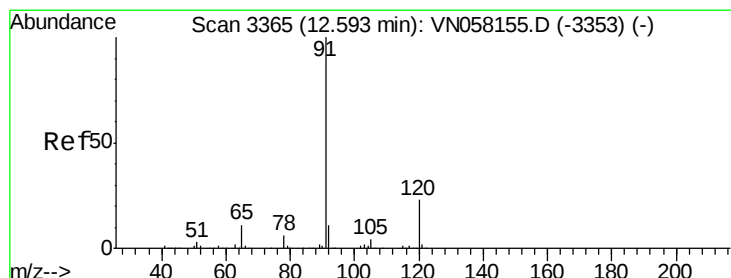
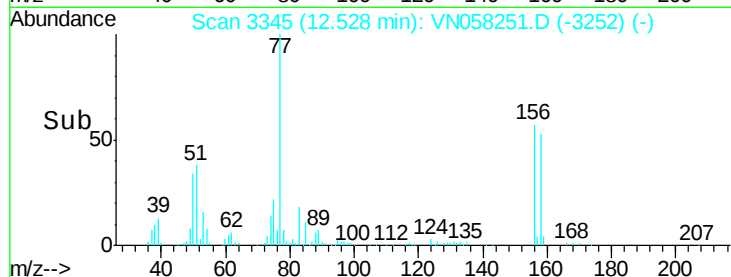
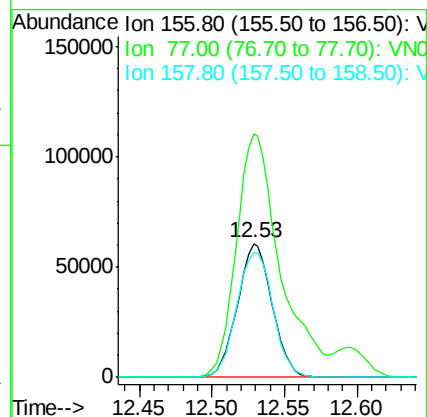
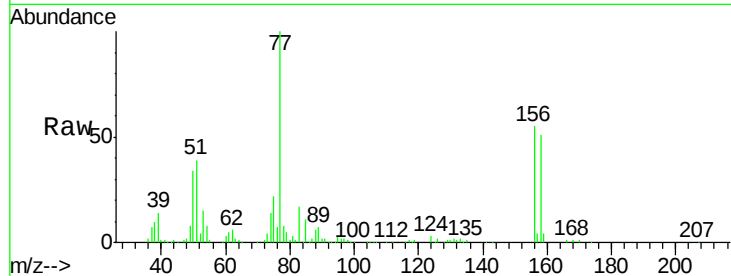
ClientSampleId :

VN0920WBS02

Tot Ion:	156	Resp:	100455
Ion Ratio	Lower	Upper	
156	100		
77	230.0	111.7	335.1
158	98.3	47.9	143.8

Manual Integrations
APPROVED

MMDadoda
9/23/2019 3:30:22 PM



#78

n-propylbenzene

Concen: 21.802 ug/l

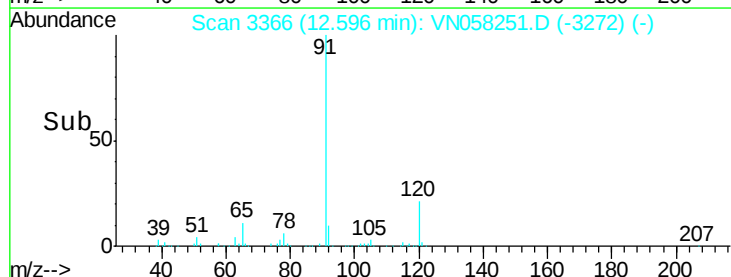
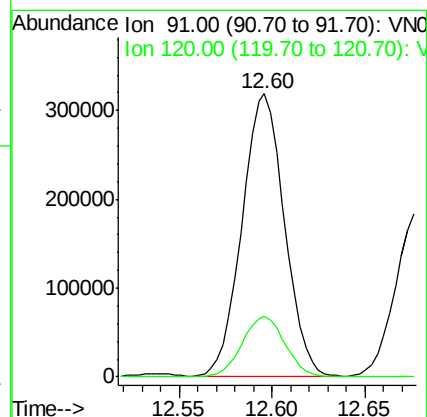
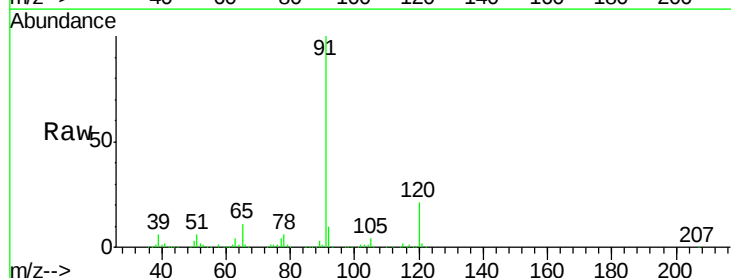
RT: 12.60 min Scan# 3366

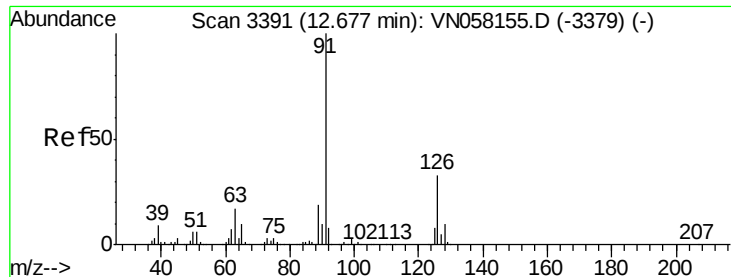
Delta R.T. 0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Tgt Ion:	91	Resp:	502726
Ion Ratio	Lower	Upper	
91	100		
120	21.6	11.1	33.3





#79

2-Chlorotoluene

Concen: 21.061 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBS02

Tot Ion: 91 Resp: 303500

Ion Ratio Lower Upper

91 100

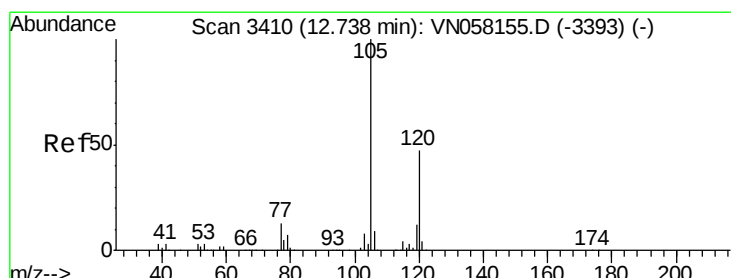
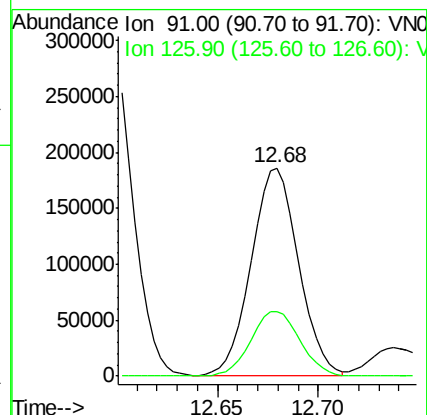
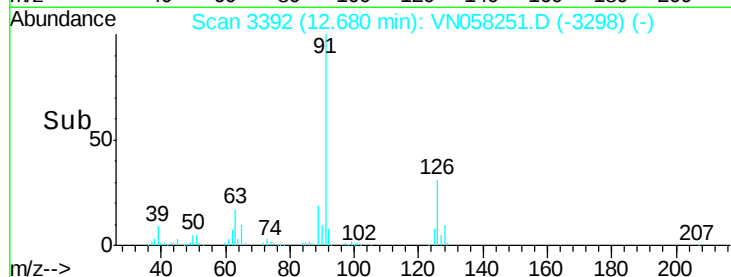
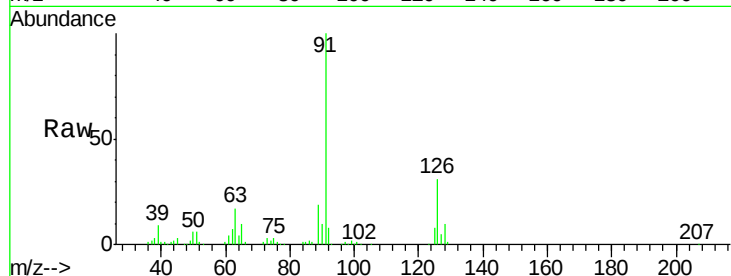
126 32.6 16.4 49.1

Manual Integrations

APPROVED

MMDadoda

9/23/2019 3:30:22 PM



#80

1,3,5-Trimethylbenzene

Concen: 21.640 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058251.D

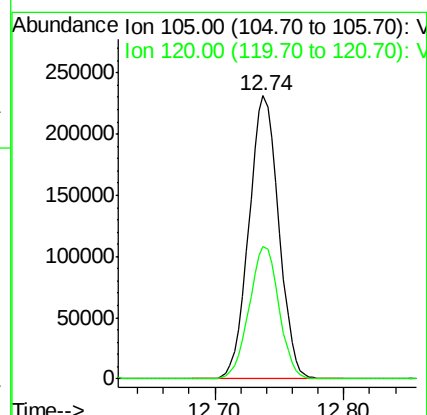
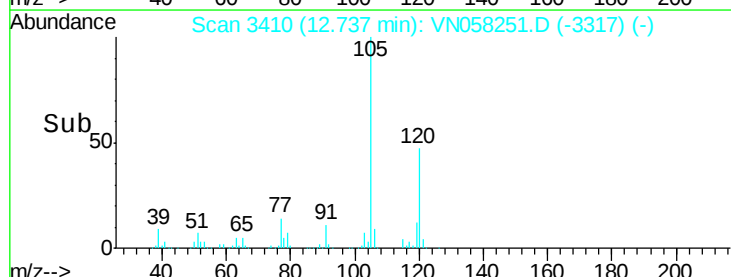
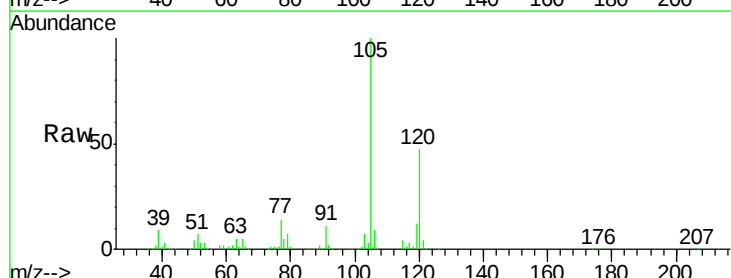
Acq: 20 Sep 2019 15:36

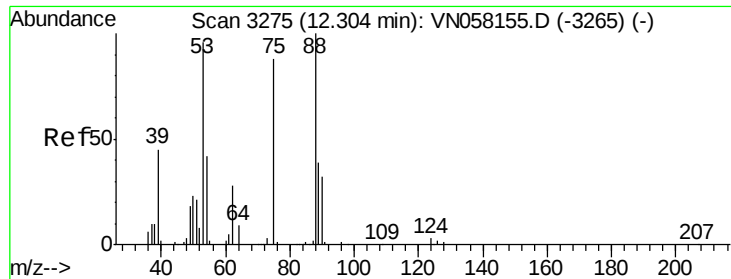
Tgt Ion: 105 Resp: 371320

Ion Ratio Lower Upper

105 100

120 47.0 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.178 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Instrument :

MSVOA_N

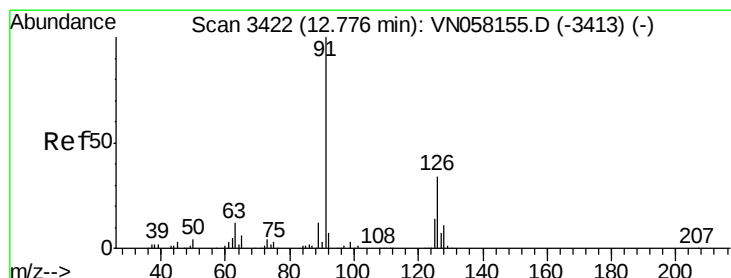
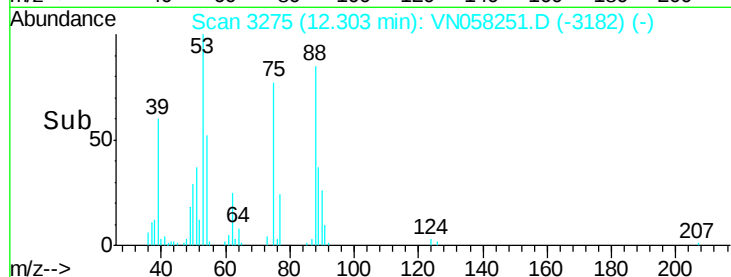
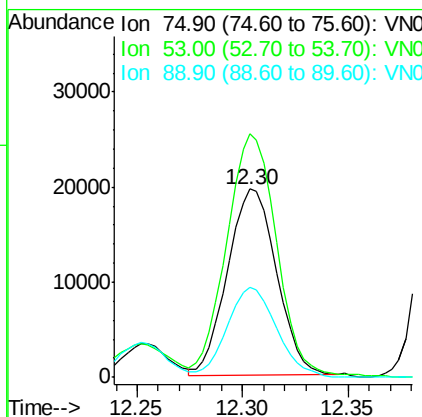
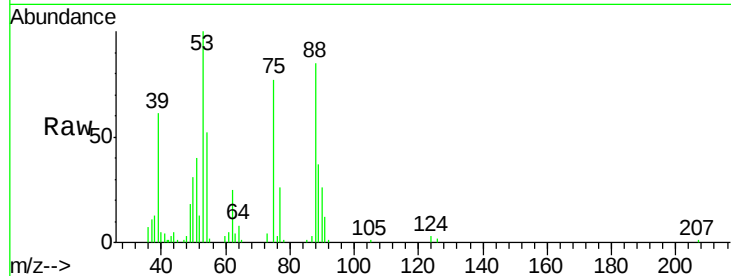
ClientSampleId :

VN0920WBS02

Tot Ion:	75	Resp:	31735
Ion Ratio	Lower	Upper	
75	100		
53	134.1	90.1	135.1
89	48.7	36.2	54.2

Manual Integrations
APPROVED

MMDadoda
9/23/2019 3:30:22 PM



#82

4-Chlorotoluene

Concen: 20.624 ug/l

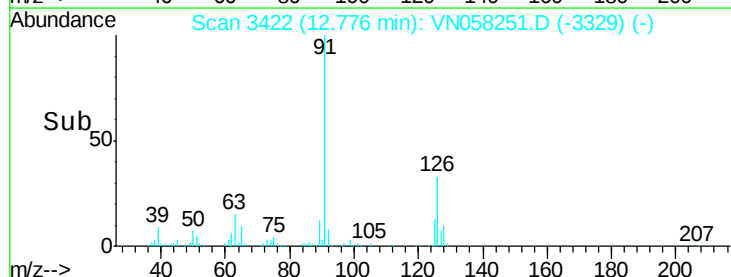
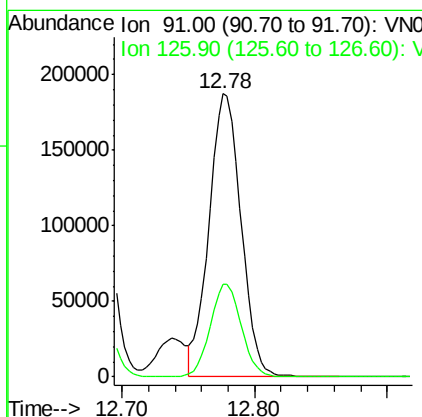
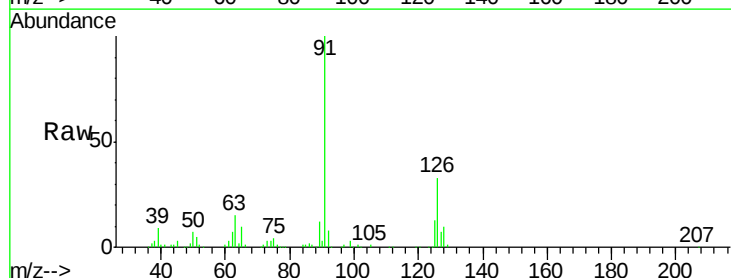
RT: 12.78 min Scan# 3422

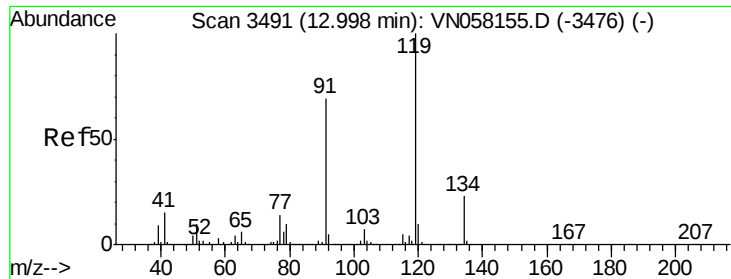
Delta R.T. -0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Tgt Ion:	91	Resp:	312417
Ion Ratio	Lower	Upper	
91	100		
126	31.9	15.7	47.1





#83

tert-Butylbenzene

Concen: 21.251 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. -0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Instrument :

MSVOA_N

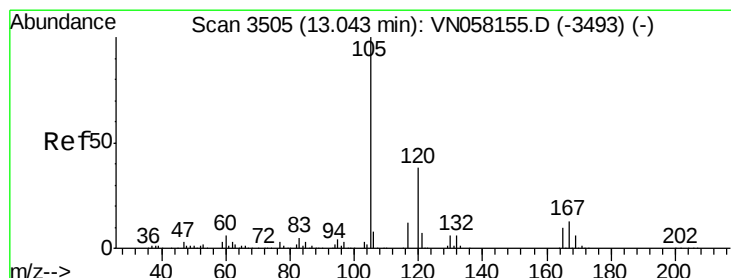
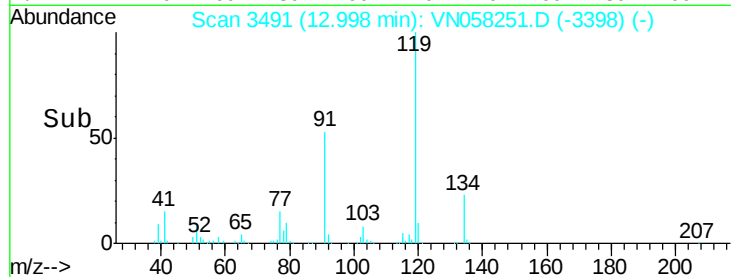
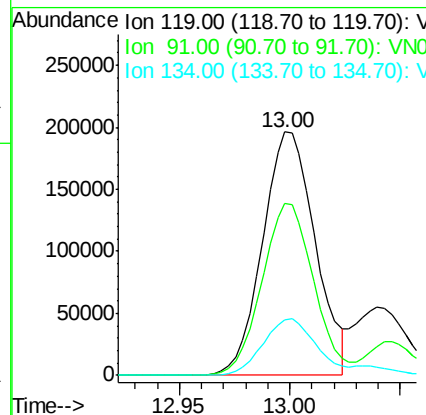
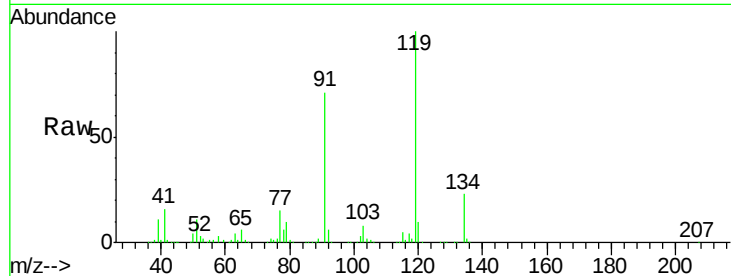
ClientSampleId :

VN0920WBS02

Tot Ion:	119	Resp:	325182
Ion Ratio	Lower	Upper	
119	100		
91	68.8	33.8	101.3
134	23.4	11.6	34.8

Manual Integrations
APPROVED

MMDadoda
9/23/2019 3:30:22 PM



#84

1,2,4-Trimethylbenzene

Concen: 22.261 ug/l

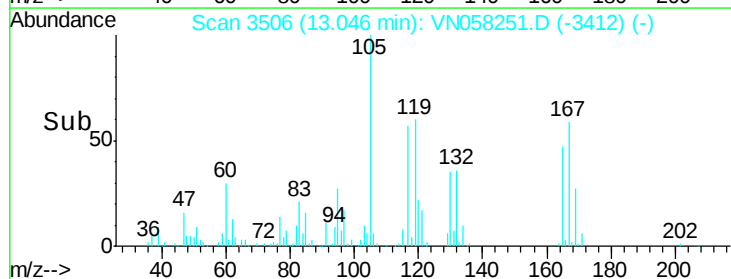
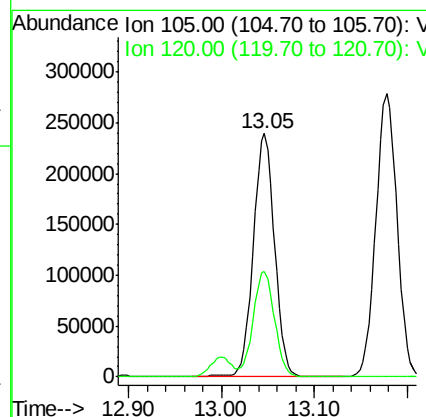
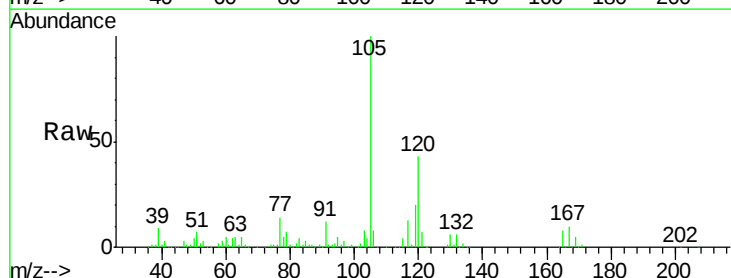
RT: 13.05 min Scan# 3506

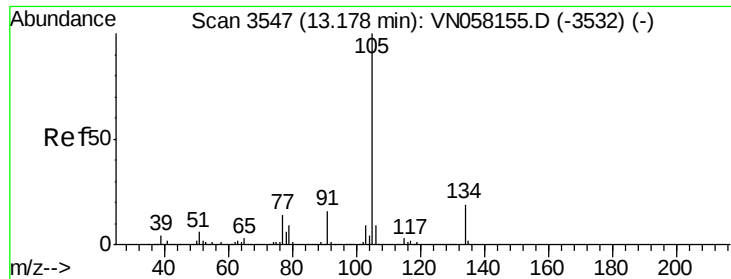
Delta R.T. 0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Tgt Ion:	105	Resp:	380122
Ion Ratio	Lower	Upper	
105	100		
120	43.6	22.1	66.5





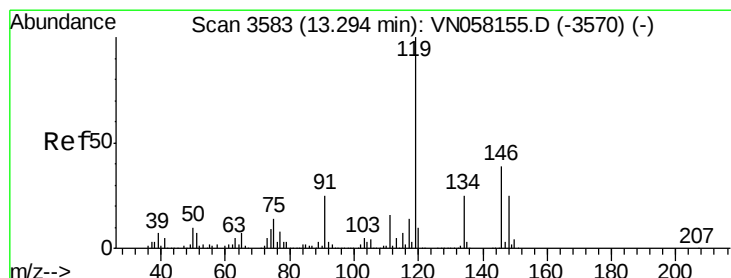
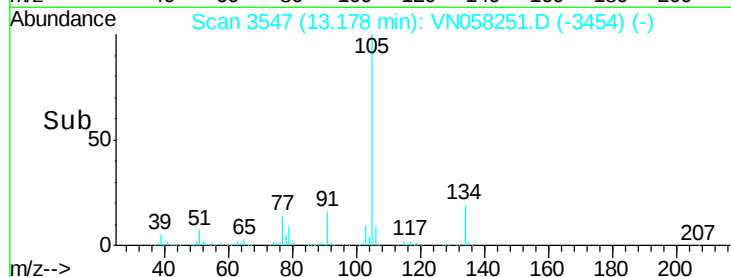
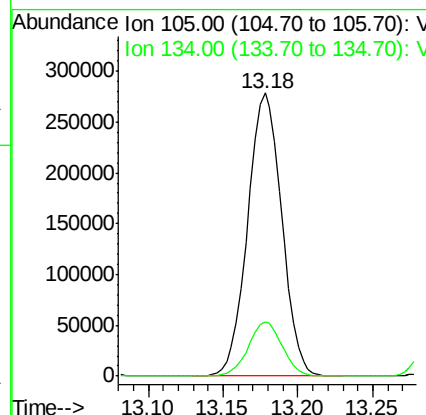
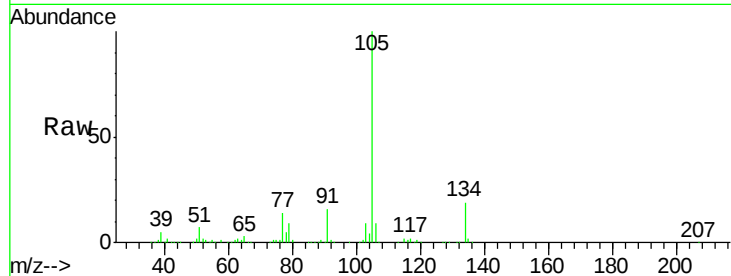
#85
 sec-Butylbenzene
 Concen: 22.017 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058251.D
 Acq: 20 Sep 2019 15:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.5	28.5

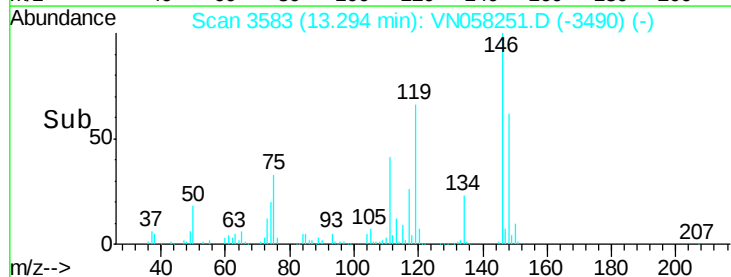
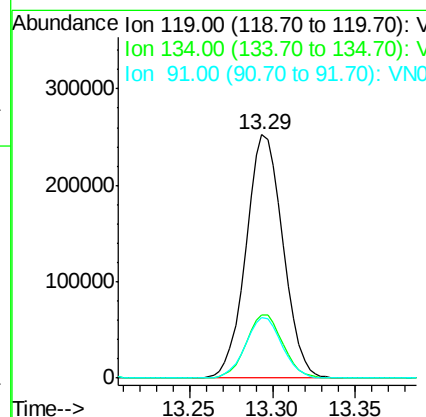
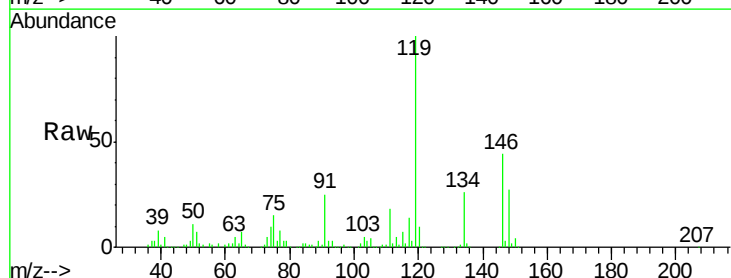
Manual Integrations
 APPROVED

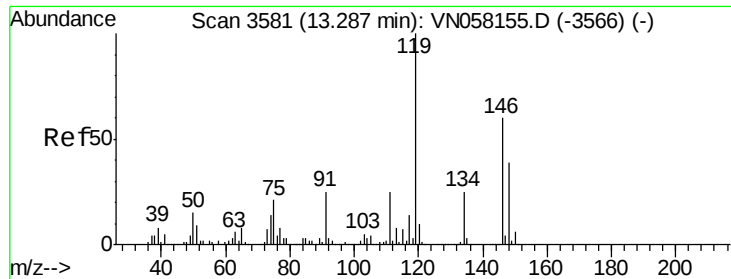
MMDadoda
 9/23/2019 3:30:22 PM



#86
 p-Isopropyltoluene
 Concen: 21.938 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN058251.D
 Acq: 20 Sep 2019 15:36

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.7	38.0
91	24.8	12.3	36.8





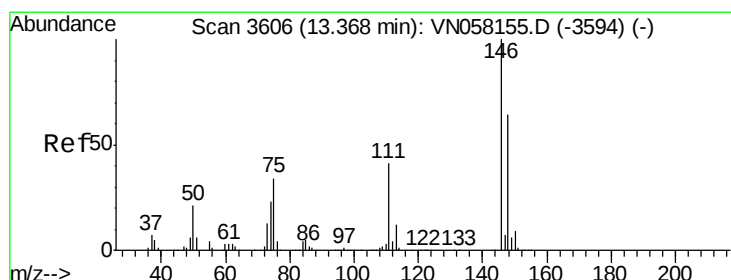
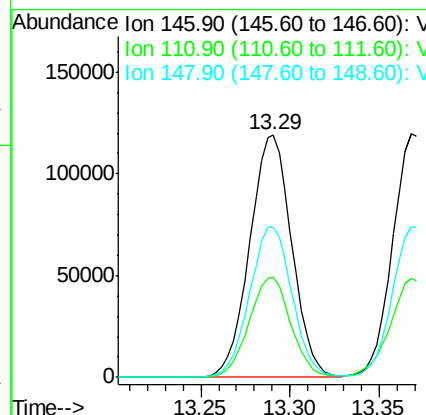
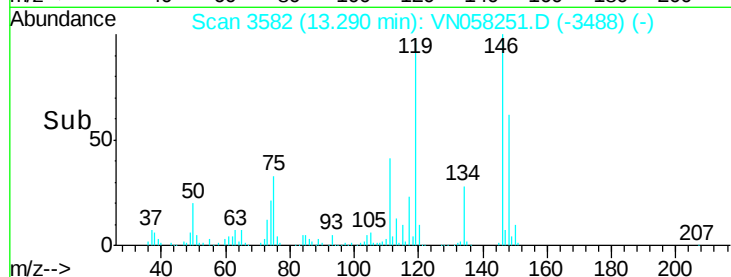
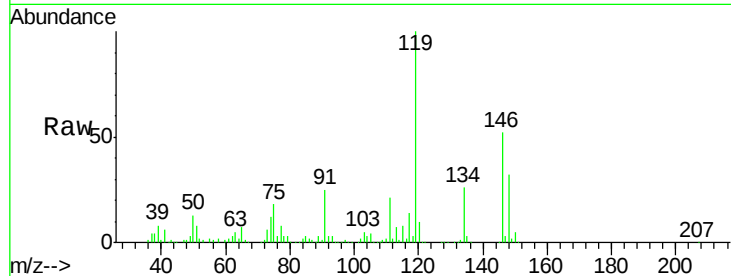
#87
 1,3-Dichlorobenzene
 Concen: 20.991 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058251.D
 Acq: 20 Sep 2019 15:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	195697		
111	41.1	20.9	62.8	
148	62.9	32.0	96.2	

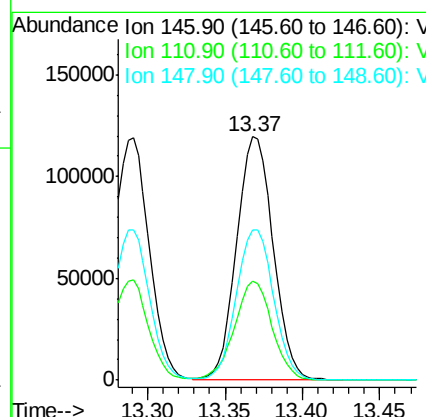
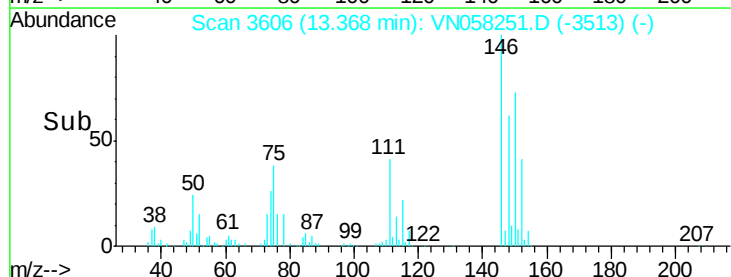
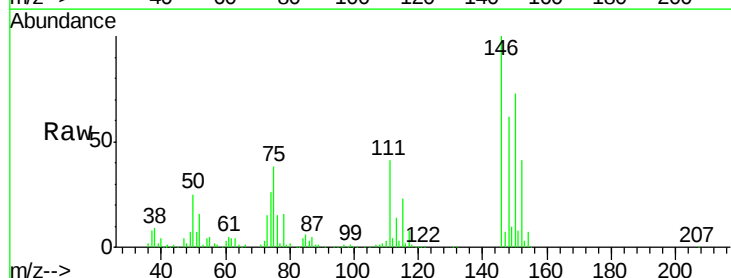
Manual Integrations
 APPROVED

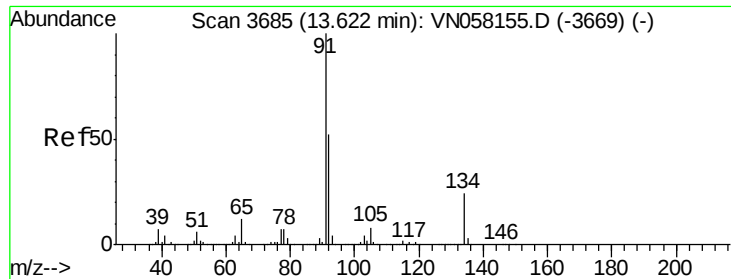
MMDadoda
 9/23/2019 3:30:22 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.586 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058251.D
 Acq: 20 Sep 2019 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	195933		
111	42.1	20.5	61.5	
148	63.1	31.9	95.5	





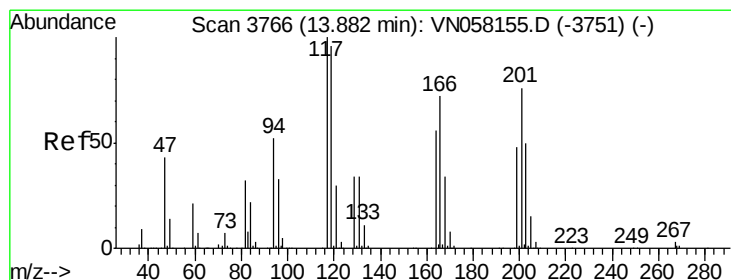
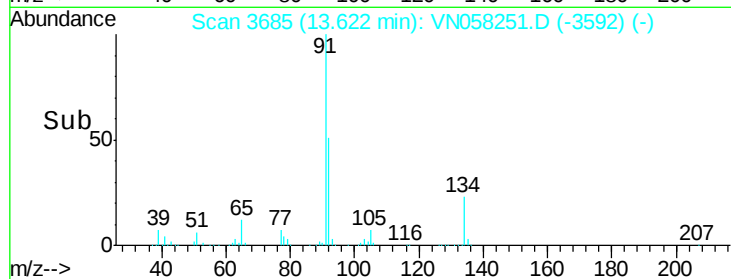
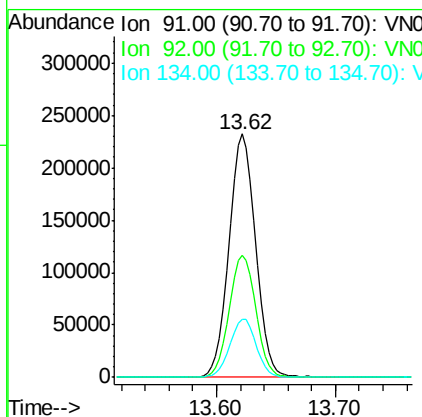
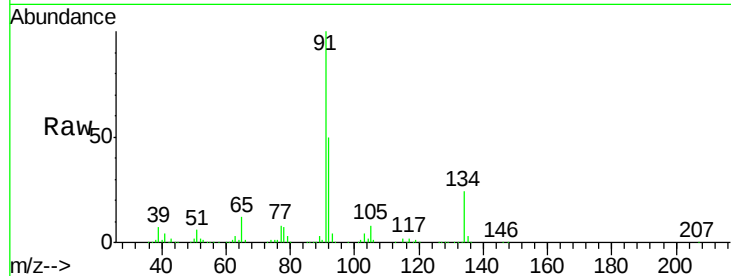
#89
n-Butylbenzene
Concen: 21.392 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.3	25.7	77.0
134	23.8	11.8	35.4

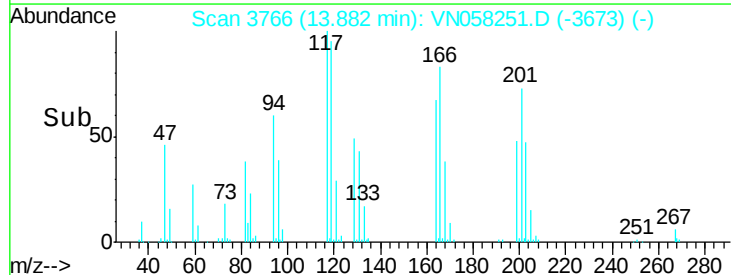
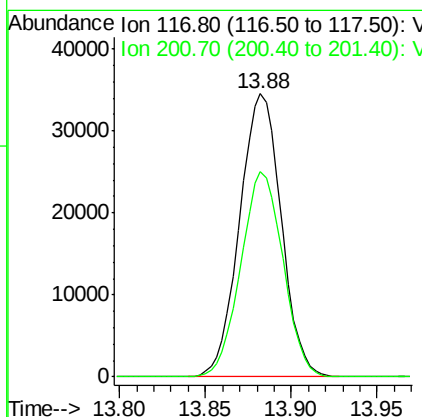
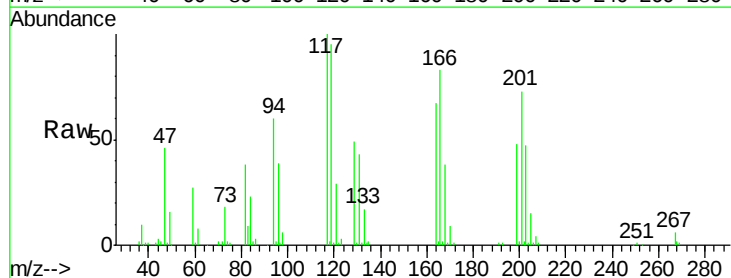
Manual Integrations
APPROVED

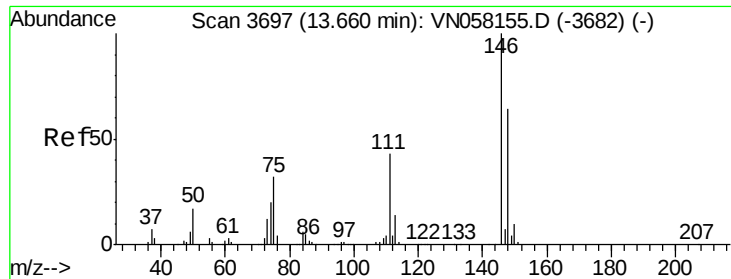
MMDadoda
9/23/2019 3:30:22 PM



#90
Hexachloroethane
Concen: 20.368 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.2	37.5	112.5





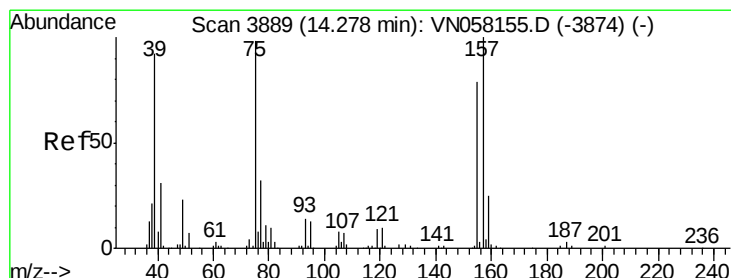
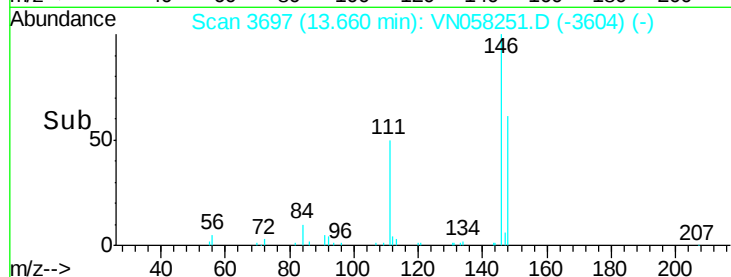
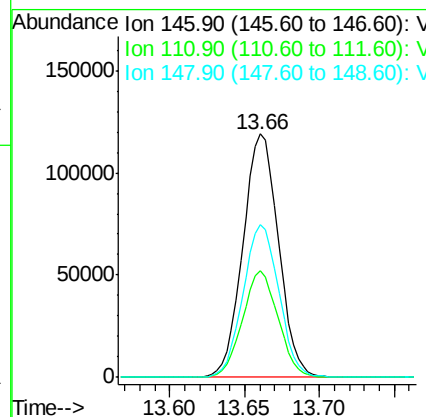
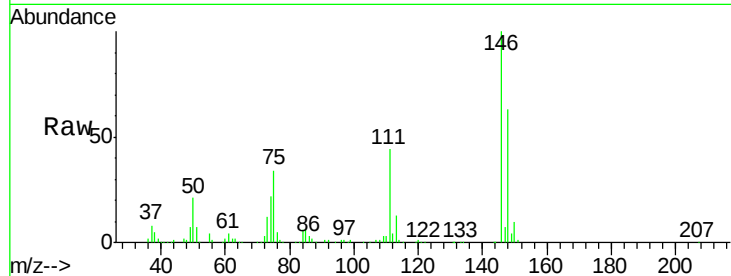
#91
 1,2-Dichlorobenzene
 Concen: 21.127 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058251.D
 Acq: 20 Sep 2019 15:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.1	63.1
148	63.2	31.8	95.4

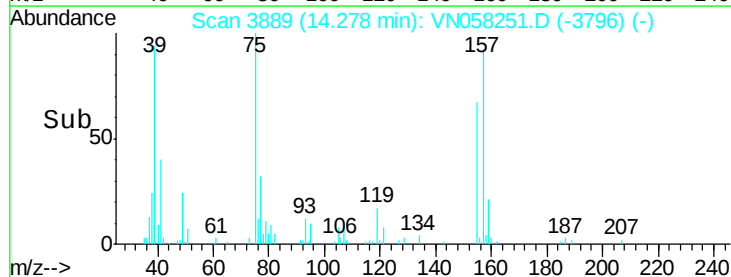
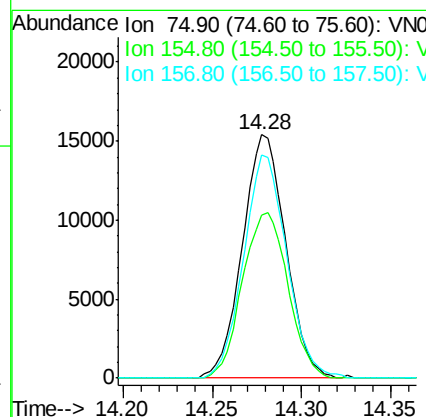
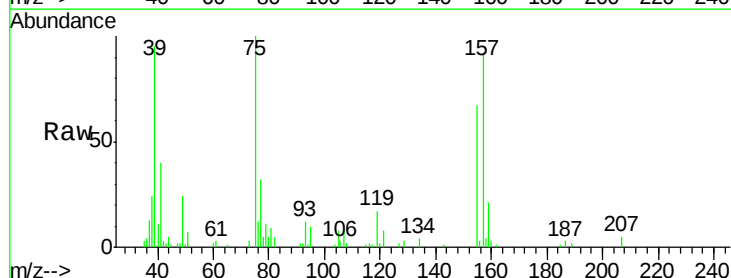
Manual Integrations
 APPROVED

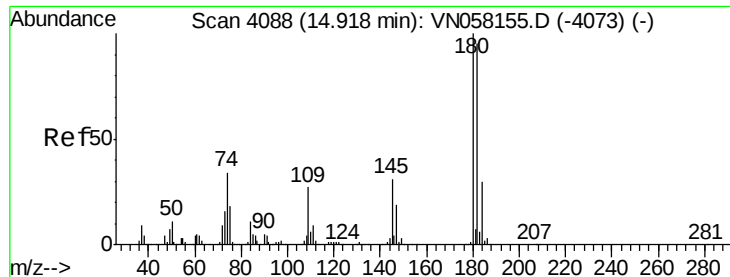
MMDadoda
 9/23/2019 3:30:22 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.409 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN058251.D
 Acq: 20 Sep 2019 15:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.3	38.3	114.8
157	91.3	48.0	144.0





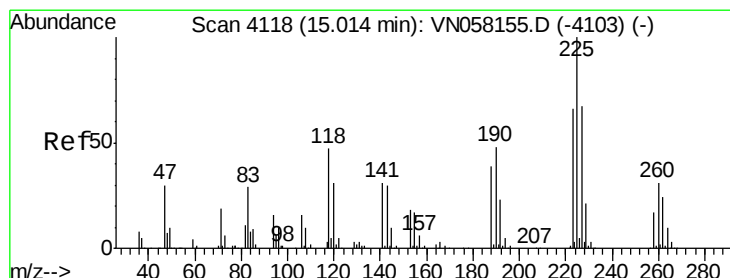
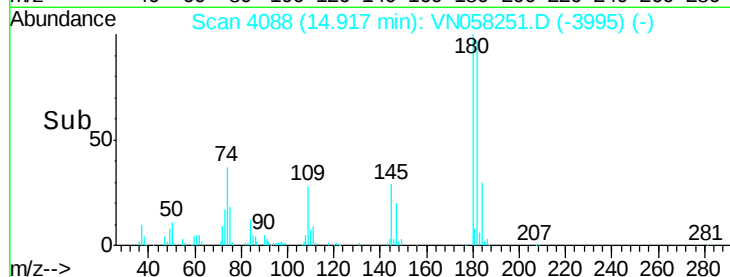
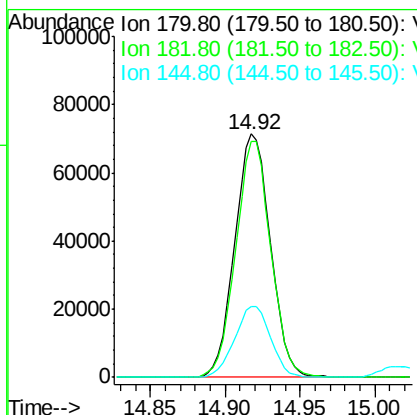
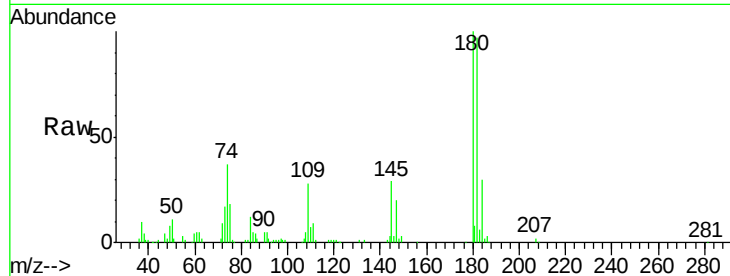
#93
 1,2,4-Trichlorobenzene
 Concen: 19.822 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058251.D
 Acq: 20 Sep 2019 15:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	118438		
182	95.4	47.8	143.3	
145	29.5	15.4	46.4	

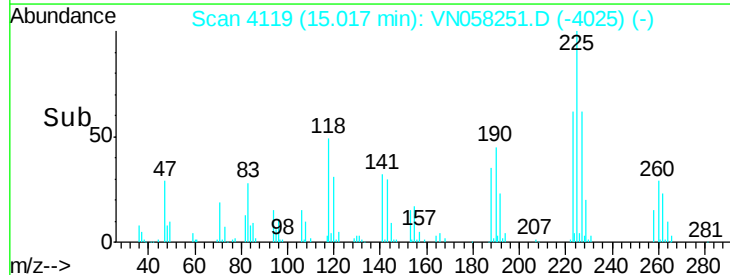
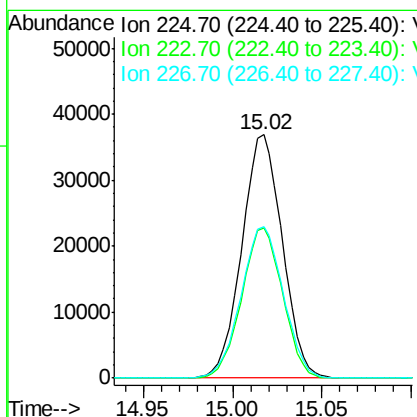
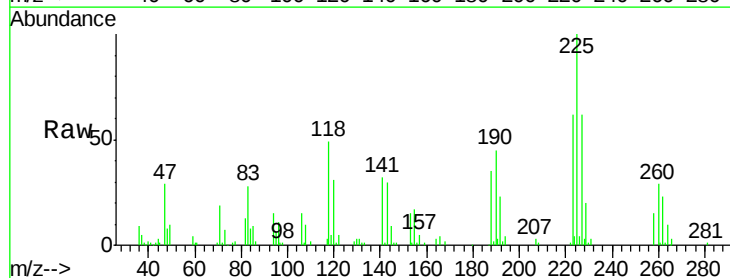
Manual Integrations
 APPROVED

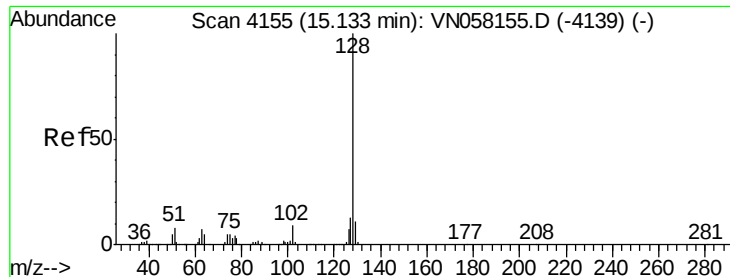
MMDadoda
 9/23/2019 3:30:22 PM



#94
 Hexachlorobutadiene
 Concen: 20.297 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058251.D
 Acq: 20 Sep 2019 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	58617		
223	61.9	32.6	97.7	
227	65.0	33.0	99.0	





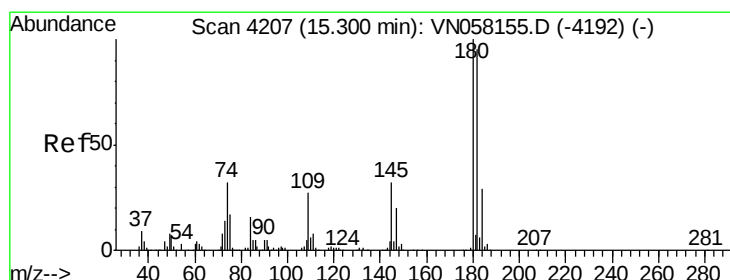
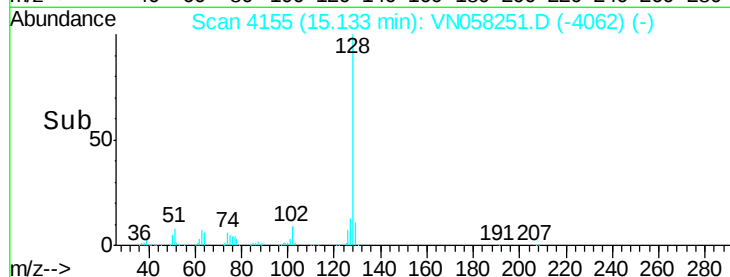
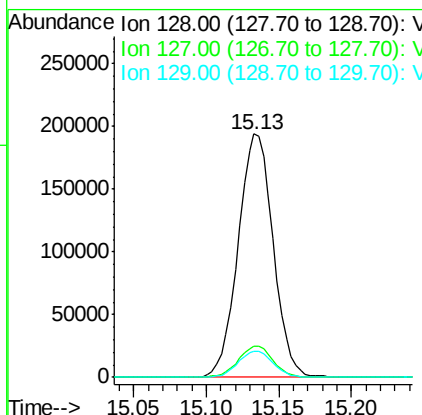
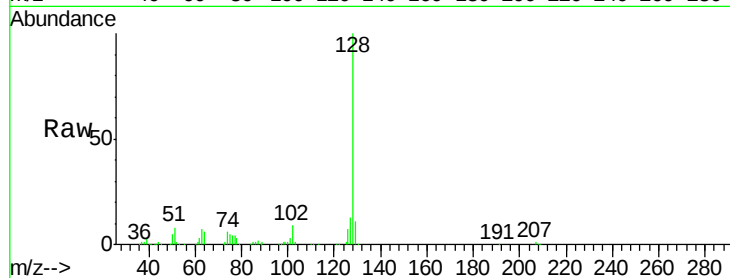
#95
Naphthalene
Concen: 21.005 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	325260		
127	12.9		10.2	15.2
129	10.8		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/23/2019 3:30:22 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.470 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. -0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	115603		
182	94.0		47.4	142.2
145	31.4		16.1	48.2

