

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090319\
 Data File : VN057671.D
 Acq On : 3 Sep 2019 18:57
 Operator : JC/SP
 Sample : VN0903WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0903WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/5/2019 3:21:30 PM

Quant Time: Sep 04 03:12:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N090319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 04 02:08:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	58837	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	356053	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	305006	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	192113	30.72	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.40%
60) 4-Bromofluorobenzene	12.40	95	149743	28.74	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.80%
63) Toluene-d8	10.08	98	449822	30.63	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	86470	20.399 ug/l	97
3) Chloromethane	2.05	50	92675	20.732 ug/l	97
4) Vinyl Chloride	2.18	62	75367	20.617 ug/l	99
5) Bromomethane	2.53	94	48119m	20.590 ug/l	
6) Chloroethane	2.69	64	54606	20.456 ug/l	95
7) Trichlorofluoromethane	3.01	101	143541	20.502 ug/l	97
8) Diethyl Ether	3.40	74	48344	20.993 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	72895	20.035 ug/l	98
10) 1,1-Dichloroethene	3.73	96	67093	20.213 ug/l	99
11) Methyl Iodide	3.94	142	91560	19.919 ug/l	98
12) Methyl Acetate	4.31	43	104431	21.072 ug/l	96
13) Acrolein	3.59	56	26511	94.278 ug/l	98
14) Acrylonitrile	4.97	53	182208	101.019 ug/l	99
15) Acetone	3.80	58	45717	90.362 ug/l	96
16) Carbon Disulfide	4.05	76	159456	19.123 ug/l	98
17) Allyl chloride	4.31	41	146001	20.595 ug/l	99
18) Methylene Chloride	4.54	84	86313	20.751 ug/l	94
19) trans-1,2-Dichloroethene	5.03	96	72184	20.558 ug/l	99
20) Diisopropyl ether	5.93	45	315920	20.681 ug/l	96
21) 1,1-Dichloroethane	5.84	63	162785	20.674 ug/l	98
22) cis-1,2-Dichloroethene	6.82	96	90738	21.158 ug/l	99
23) tert-Butyl Alcohol	4.75	59	68585	104.575 ug/l	# 100
24) Methyl tert-Butyl Ether	5.02	73	273839	20.762 ug/l	100
25) Chloroform	7.36	83	165778	20.311 ug/l	97
26) Cyclohexane	7.64	56	135358	20.188 ug/l	# 97
29) 1,1-Dichloropropene	7.78	75	111702	19.646 ug/l	95
30) 2-Butanone	6.81	43	272506	101.460 ug/l	# 98
31) 2,2-Dichloropropane	6.81	77	132233	18.791 ug/l	# 76
32) 1,1,1-Trichloroethane	7.56	97	144299	20.500 ug/l	98
33) Carbon Tetrachloride	7.76	117	111350	19.479 ug/l	95
34) Benzene	8.03	78	338530	20.728 ug/l	97
35) Methacrylonitrile	7.16	41	41715m	16.954 ug/l	
36) 1,2-Dichloroethane	8.11	62	153318	21.065 ug/l	# 100
37) Trichloroethene	8.83	130	79372	20.467 ug/l	96
38) Methylcyclohexane	9.07	83	124514	19.736 ug/l	100
39) 1,2-Dichloropropane	9.11	63	93856	21.016 ug/l	93
40) Dibromomethane	9.20	93	60998	21.070 ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090319\
 Data File : VN057671.D
 Acq On : 3 Sep 2019 18:57
 Operator : JC/SP
 Sample : VN0903WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0903WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/5/2019 3:21:30 PM

Quant Time: Sep 04 03:12:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N090319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 04 02:08:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	124312	19.867	ug/l	97
42) Vinyl Acetate	5.88	43	1273466	107.874	ug/l	100
43) Ethyl Acetate	6.91	43	114592	20.719	ug/l #	83
44) Isopropyl Acetate	8.15	43	209537	20.265	ug/l	99
45) 1,4-Dioxane	9.19	88	26903	405.313	ug/l	97
46) Methyl methacrylate	9.19	41	103266	20.582	ug/l	100
47) n-amyl Acetate	12.07	43	152518	19.020	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	122695	18.693	ug/l	96
49) cis-1,3-Dichloropropene	9.83	75	136357	19.472	ug/l	94
50) 1,1,2-Trichloroethane	10.56	97	80150	20.528	ug/l	99
51) Ethyl methacrylate	10.43	69	123225	19.360	ug/l	100
52) 1,3-Dichloropropane	10.70	76	139457	20.067	ug/l	99
53) Dibromochloromethane	10.90	129	77492	19.016	ug/l	97
54) 1,2-Dibromoethane	11.00	107	79312	20.320	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	189455	94.205	ug/l	99
56) Bromoform	12.13	173	43099	17.055	ug/l #	97
58) 4-Methyl-2-Pentanone	9.98	43	594796	110.347	ug/l	99
59) 2-Hexanone	10.75	43	389881	102.214	ug/l	99
61) Tetrachloroethene	10.63	164	72662	20.747	ug/l	96
62) Toluene	10.15	91	362994	21.197	ug/l	98
64) Chlorobenzene	11.43	112	201875	20.076	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	76889	20.872	ug/l	95
66) Ethyl Benzene	11.51	91	394066	20.586	ug/l	99
67) m/p-Xylenes	11.62	106	271124	40.385	ug/l	100
68) o-Xylene	11.95	106	135258	20.234	ug/l	97
69) Styrene	11.96	104	209708	19.572	ug/l	98
70) Isopropylbenzene	12.25	105	379282	20.685	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	96928	20.091	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	92342m	20.352	ug/l	
73) Bromobenzene	12.53	156	73699	18.967	ug/l	99
74) n-propylbenzene	12.59	91	403703	19.889	ug/l	99
75) 2-Chlorotoluene	12.68	91	245562	19.325	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	306582	20.141	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	23220	16.765	ug/l	91
78) 4-Chlorotoluene	12.78	91	222163	18.401	ug/l	100
79) tert-butylbenzene	12.99	119	258822	19.798	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	294727	20.607	ug/l	100
81) sec-Butylbenzene	13.17	105	330491	19.617	ug/l	99
82) p-Isopropyltoluene	13.29	119	277771	19.412	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	103771	17.833	ug/l	98
84) 1,4-Dichlorobenzene	13.37	146	94837	17.263	ug/l	98
85) n-Butylbenzene	13.62	91	242015	19.242	ug/l	98
86) Hexachloroethane	13.88	117	47874	18.489	ug/l	95
87) 1,2-Dichlorobenzene	13.66	146	96202	17.918	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	11943	16.886	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	20611	11.080	ug/l	98
90) Hexachlorobutadiene	15.01	225	40403	19.582	ug/l	99
91) Naphthalene	15.13	128	52781	10.925	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	20756	11.483	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090319\
Data File : VN057671.D
Acq On : 3 Sep 2019 18:57
Operator : JC/SP
Sample : VN0903WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0903WBS01

Manual Integrations
APPROVED

MMDadoda
9/5/2019 3:21:30 PM

Quant Time: Sep 04 03:12:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N090319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Sep 04 02:08:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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

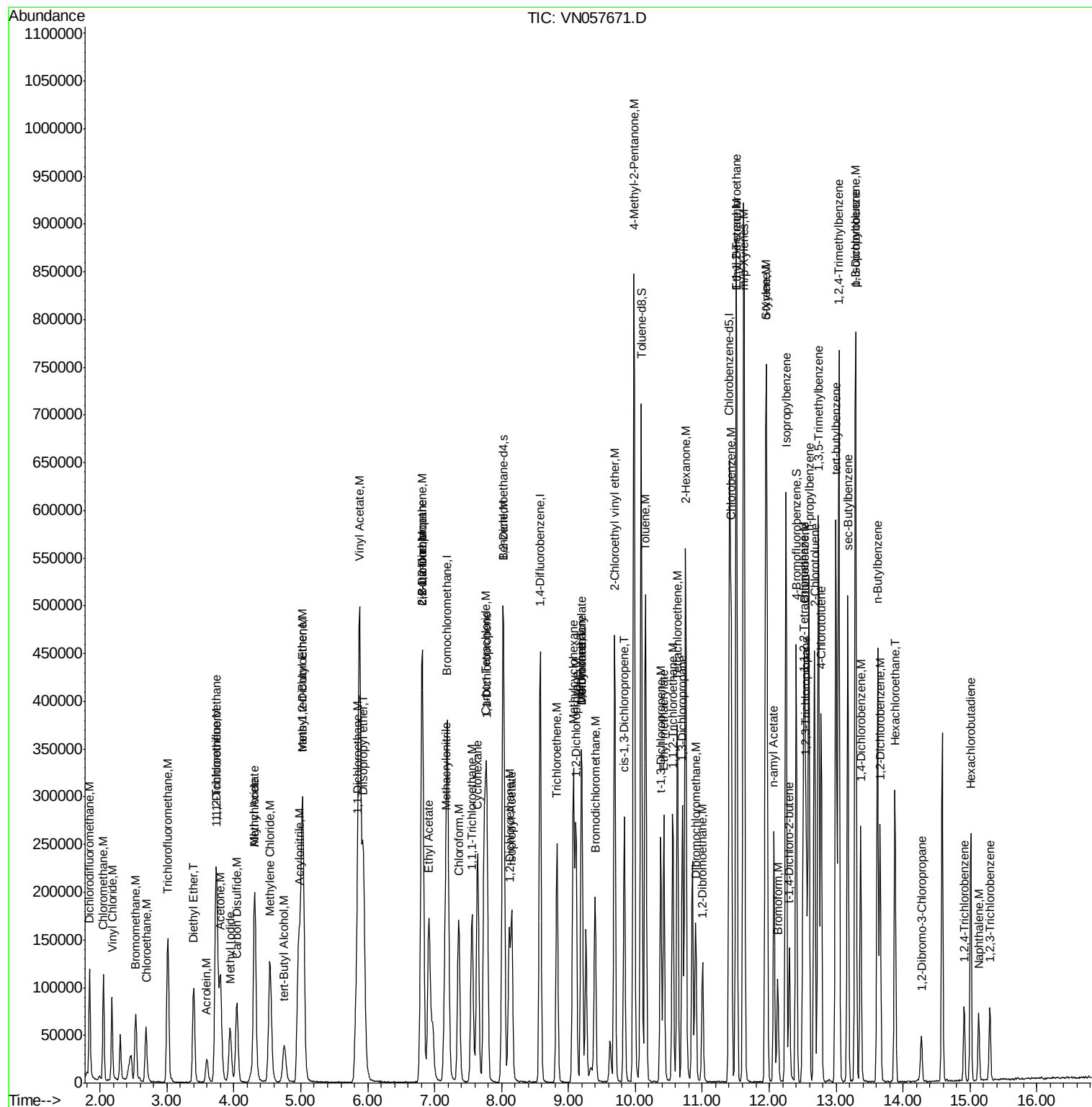
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN090319\
Data File : VN057671.D
Acq On : 3 Sep 2019 18:57
Operator : JC/SP
Sample : VN0903WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

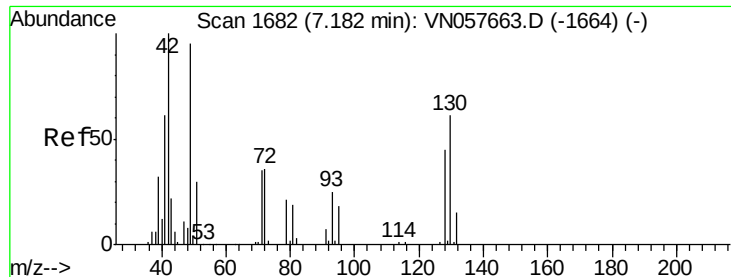
Instrument :
MSVOA_N
ClientSampleId :
VN0903WBS01

Manual Integrations
APPROVED

MMDadoda
9/5/2019 3:21:30 PM

Quant Time: Sep 04 03:12:52 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N090319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Sep 04 02:08:50 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN057671.D

Acq: 3 Sep 2019 18:57

Instrument :

MSVOA_N

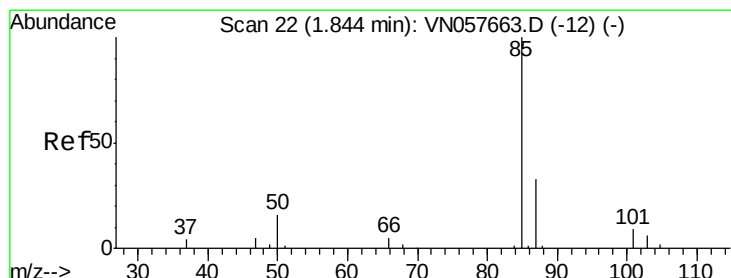
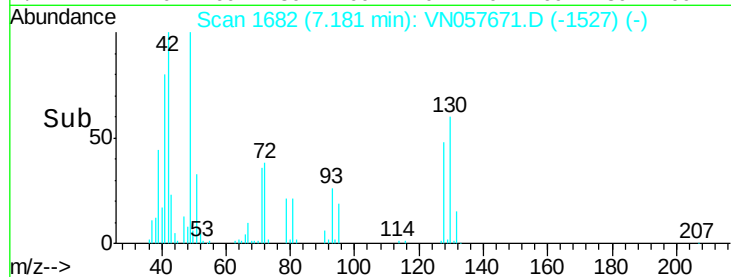
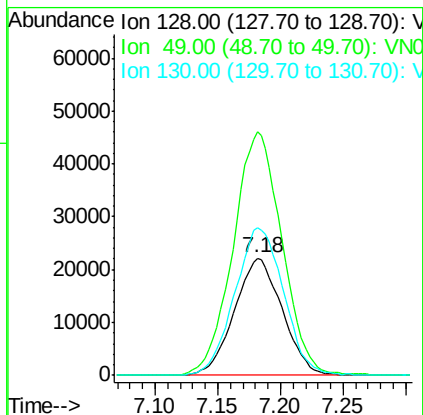
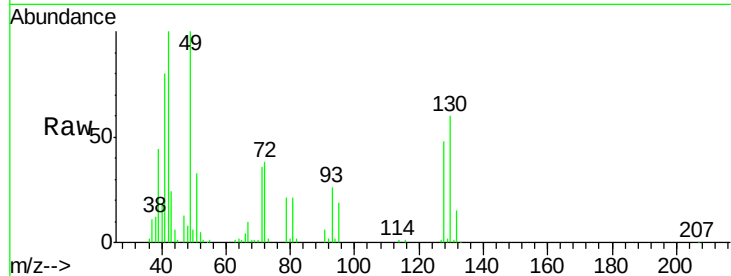
ClientSampleId :

VN0903WBS01

Tot Ion:	128	Resp:	58837
Ion	Ratio	Lower	Upper
128	100		
49	211.1	0.0	544.5
130	128.9	0.0	324.7

Manual Integrations
APPROVED

MMDadoda
9/5/2019 3:21:30 PM



#2

Dichlorodifluoromethane

Concen: 20.399 ug/l

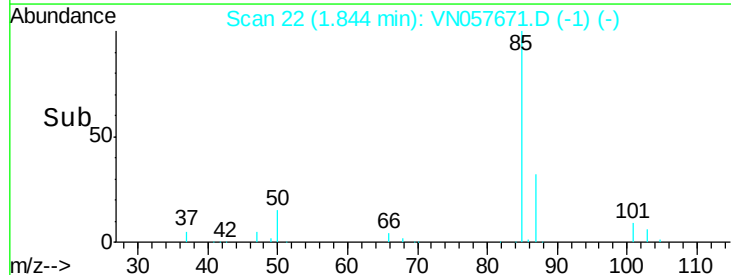
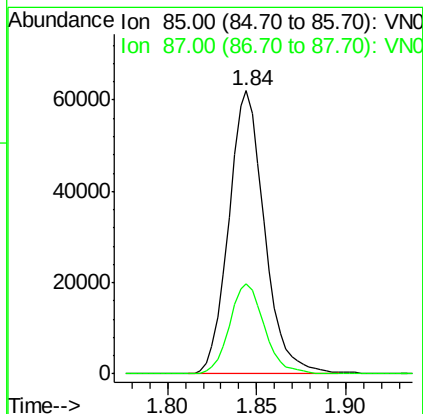
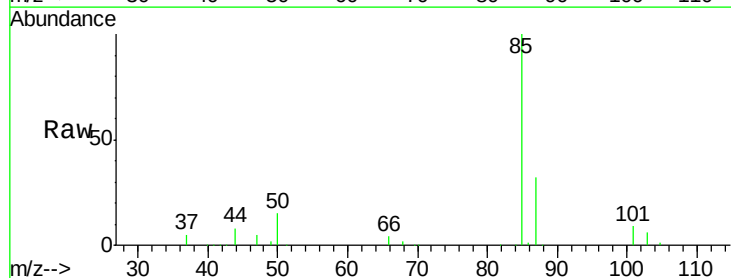
RT: 1.84 min Scan# 22

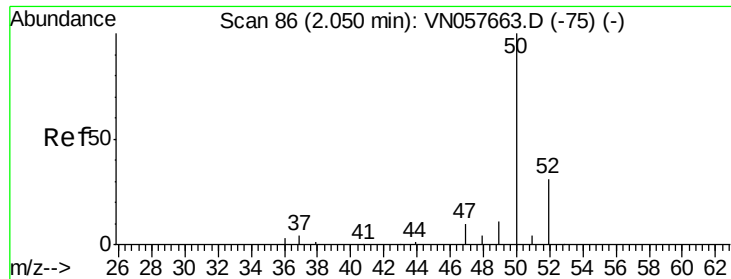
Delta R.T. -0.00 min

Lab File: VN057671.D

Acq: 3 Sep 2019 18:57

Tgt Ion:	85	Resp:	86470
Ion	Ratio	Lower	Upper
85	100		
87	31.6	16.6	49.7





#3

Chloromethane

Concen: 20.732 ug/l

RT: 2.05 min Scan# 86

Delta R.T. -0.00 min

Lab File: VN057671.D

Acq: 3 Sep 2019 18:57

Instrument :

MSVOA_N

ClientSampled :

VN0903WBS01

Tot Ion: 50 Resp: 92675

Ion Ratio Lower Upper

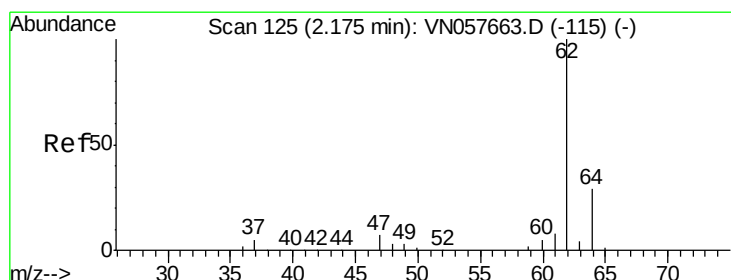
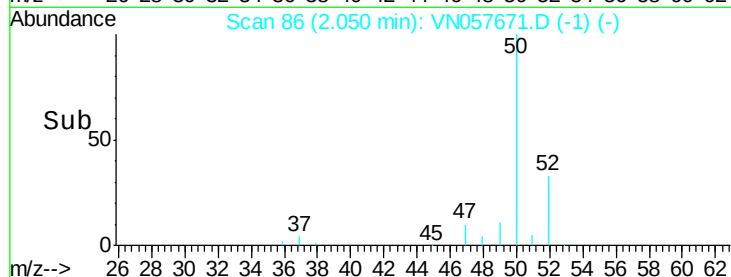
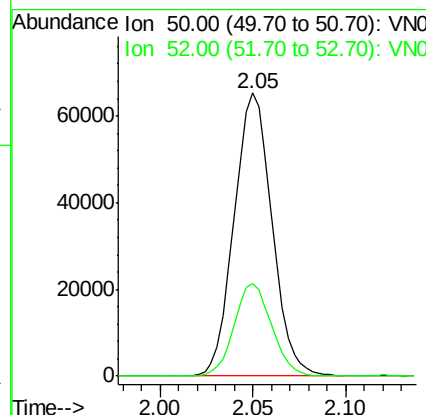
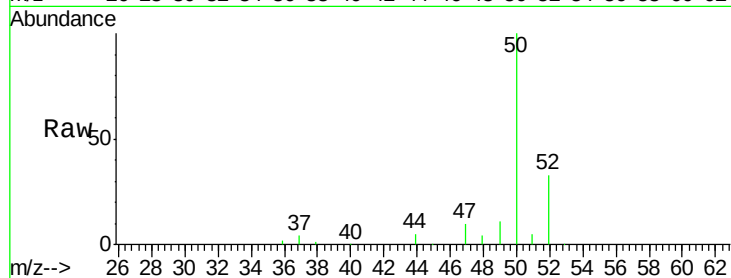
50 100

52 33.0 25.2 37.8

Manual Integrations
APPROVED

MMDadoda

9/5/2019 3:21:30 PM



#4

Vinyl Chloride

Concen: 20.617 ug/l

RT: 2.18 min Scan# 126

Delta R.T. 0.00 min

Lab File: VN057671.D

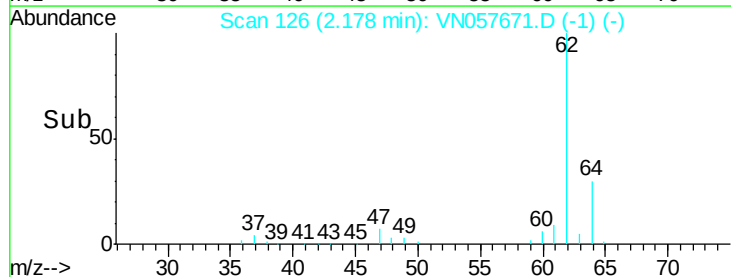
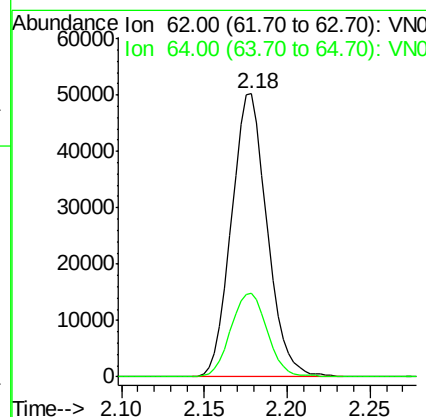
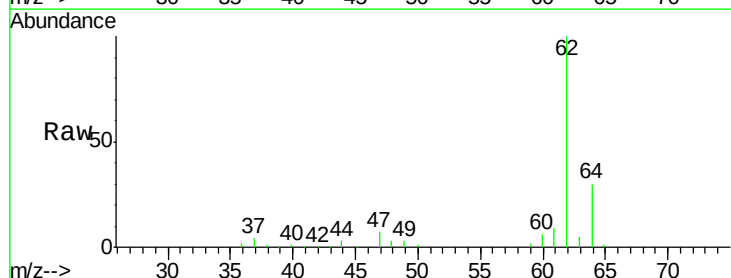
Acq: 3 Sep 2019 18:57

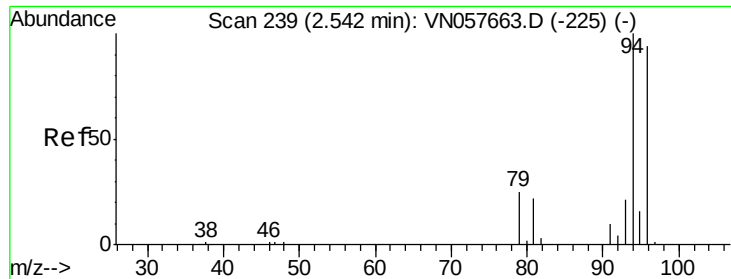
Tgt Ion: 62 Resp: 75367

Ion Ratio Lower Upper

62 100

64 29.7 23.2 34.8





#5

Bromomethane

Concen: 20.590 ug/l m

RT: 2.53 min Scan# 236

Delta R.T. -0.01 min

Lab File: VN057671.D

Acq: 3 Sep 2019 18:57

Instrument :

MSVOA_N

ClientSampled :

VN0903WBS01

Tot Ion: 94 Resp: 48119

Ion Ratio Lower Upper

94 100

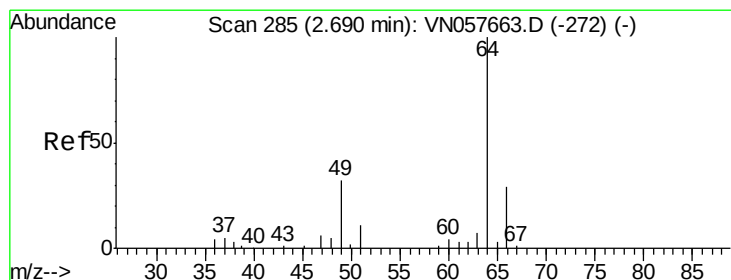
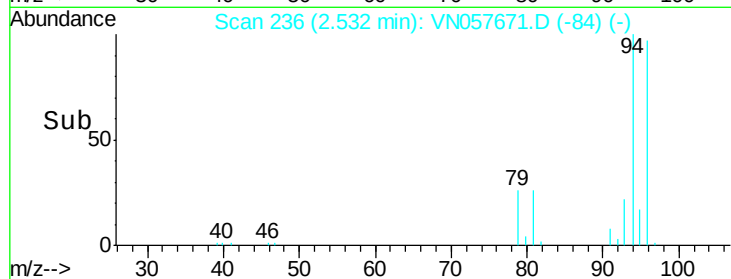
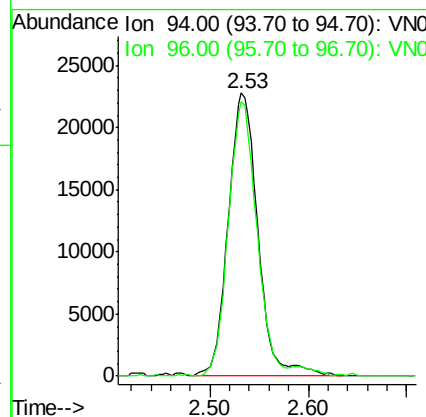
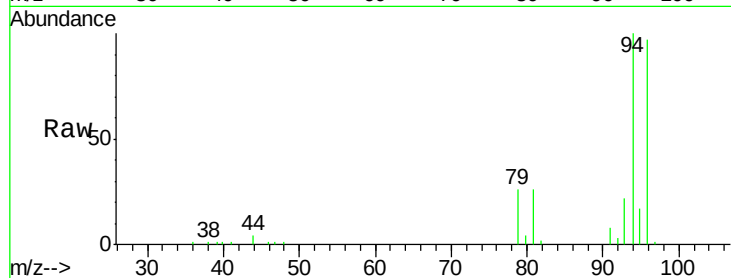
96 97.1 75.6 113.4

Manual Integrations

APPROVED

MMDadoda

9/5/2019 3:21:30 PM



#6

Chloroethane

Concen: 20.456 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN057671.D

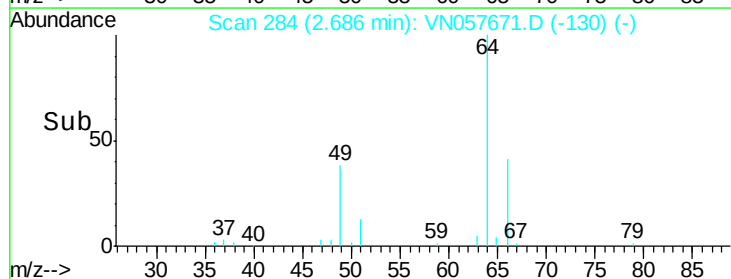
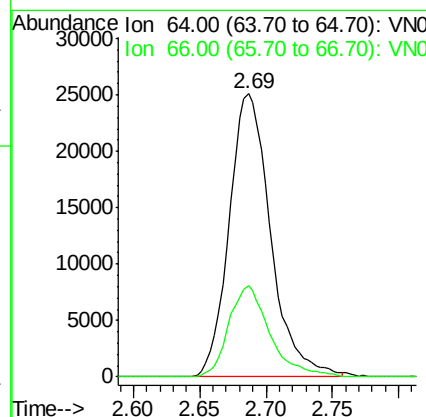
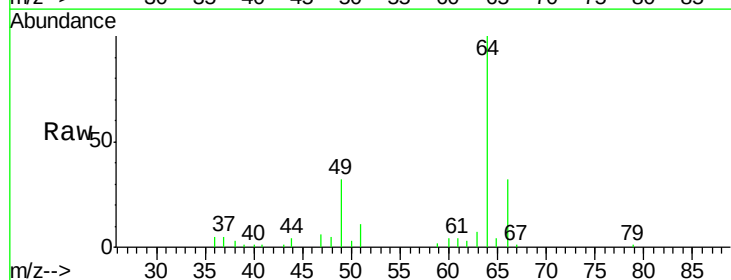
Acq: 3 Sep 2019 18:57

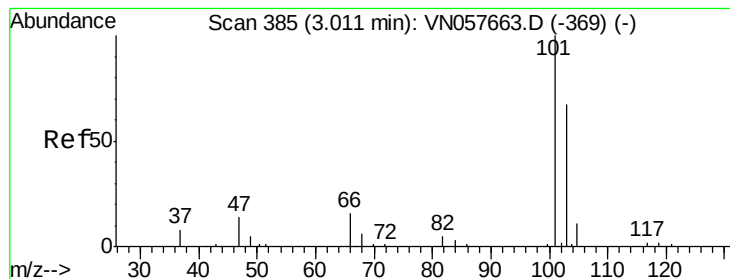
Tgt Ion: 64 Resp: 54606

Ion Ratio Lower Upper

64 100

66 32.3 23.5 35.3





#7

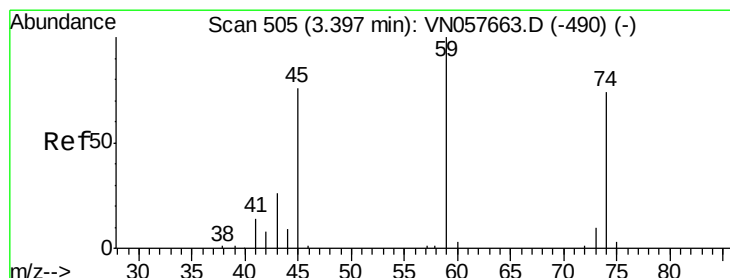
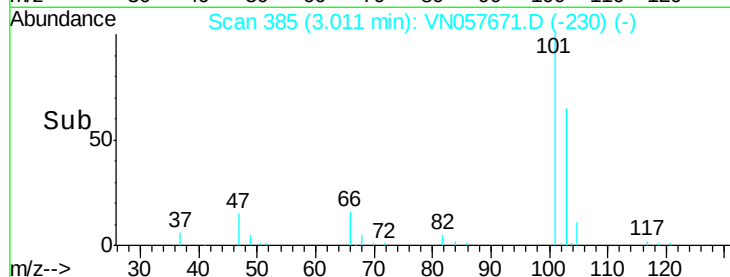
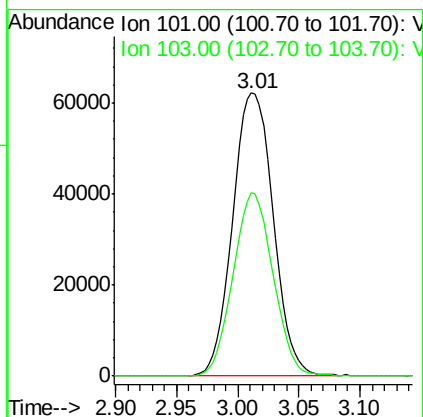
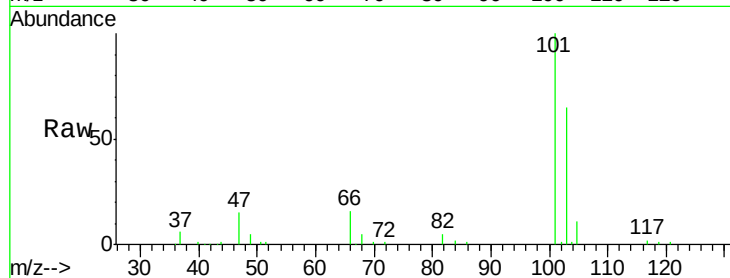
Trichlorofluoromethane
Concen: 20.502 ug/l
RT: 3.01 min Scan# 385
Delta R.T. -0.00 min
Lab File: VN057671.D
Acq: 3 Sep 2019 18:57

Instrument :
MSVOA_N
ClientSampleId :
VN0903WBS01

Tot Ion	101	Resp	143541
Ion Ratio	Lower	Upper	
101	100		
103	64.7	53.6	80.4

Manual Integrations
APPROVED

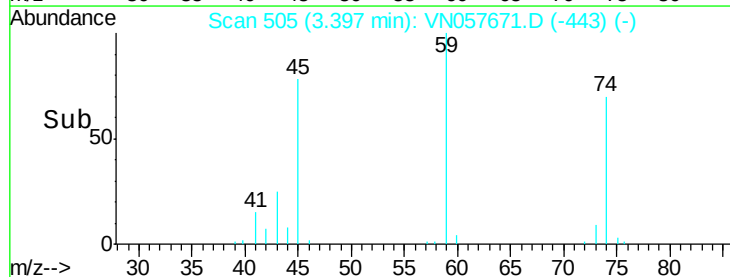
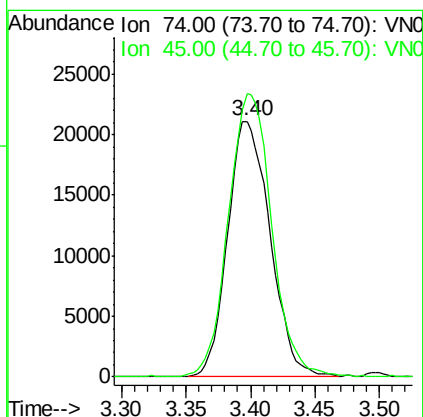
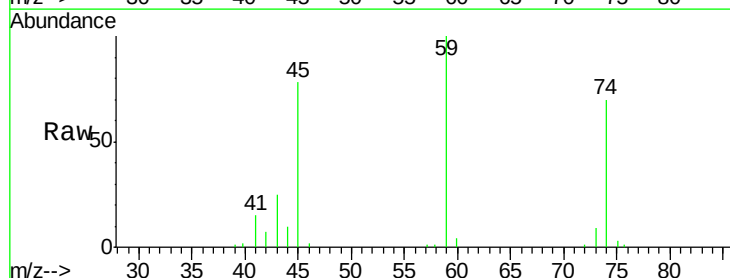
MMDadoda
9/5/2019 3:21:30 PM

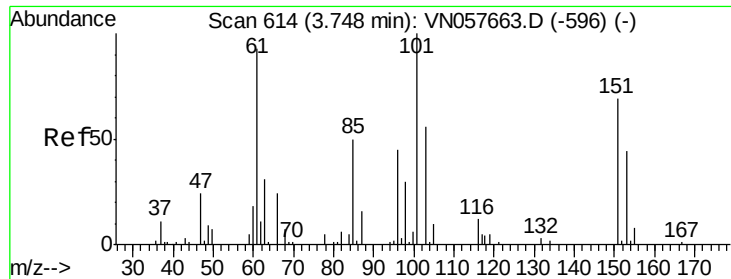


#8

Diethyl Ether
Concen: 20.993 ug/l
RT: 3.40 min Scan# 505
Delta R.T. -0.00 min
Lab File: VN057671.D
Acq: 3 Sep 2019 18:57

Tgt Ion	74	Resp	48344
Ion Ratio	Lower	Upper	
74	100		
45	113.4	22.9	205.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.035 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN057671.D

Acq: 3 Sep 2019 18:57

Instrument :

MSVOA_N

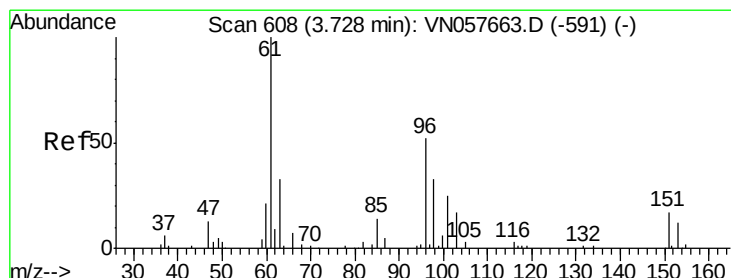
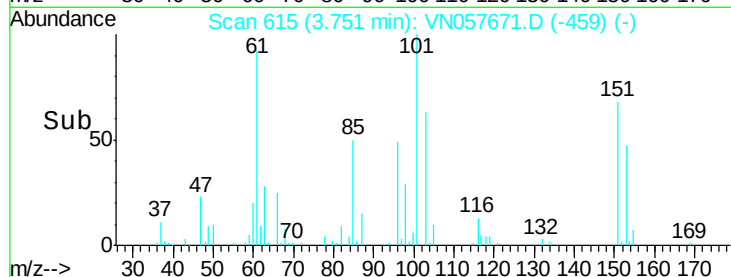
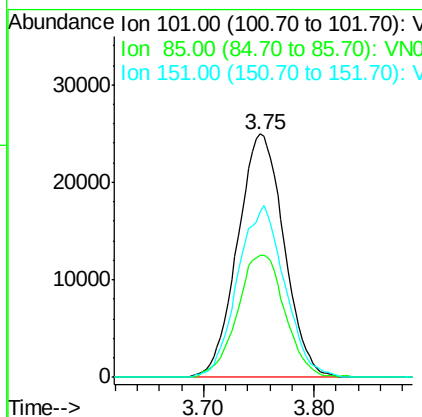
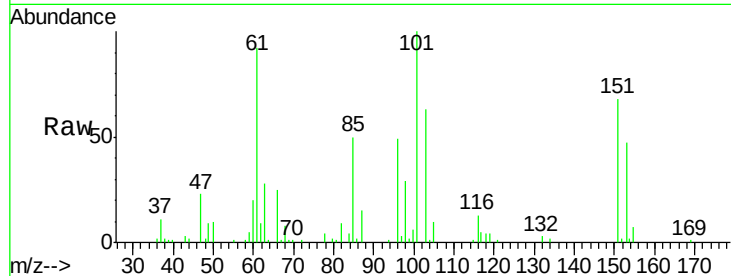
ClientSampleId :

VN0903WBS01

Tot Ion:	101	Resp:	72895
Ion Ratio	Lower	Upper	
101	100		
85	51.3	0.0	100.2
151	71.5	0.0	140.6

Manual Integrations
APPROVED

MMDadoda
9/5/2019 3:21:30 PM



#10

1,1-Dichloroethene

Concen: 20.213 ug/l

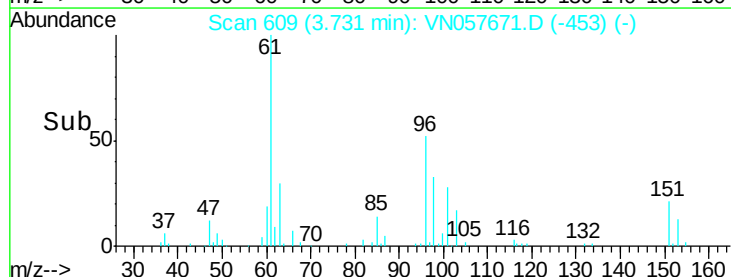
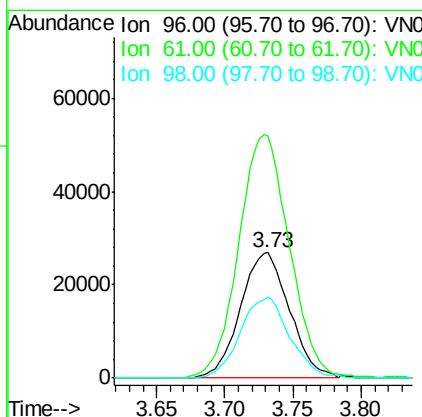
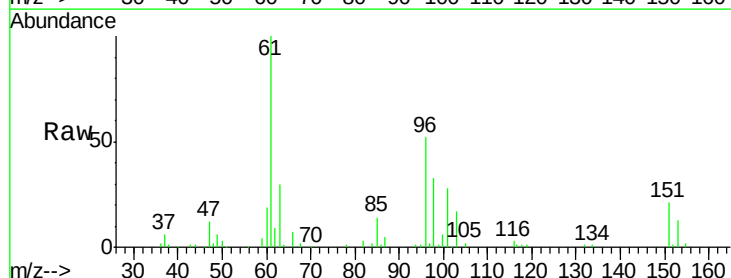
RT: 3.73 min Scan# 609

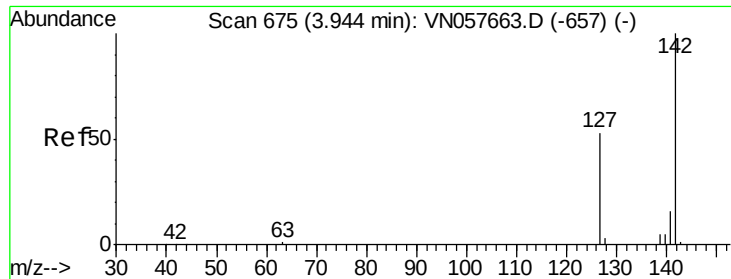
Delta R.T. 0.00 min

Lab File: VN057671.D

Acq: 3 Sep 2019 18:57

Tgt Ion:	96	Resp:	67093
Ion Ratio	Lower	Upper	
96	100		
61	192.2	152.9	229.3
98	63.8	51.0	76.4





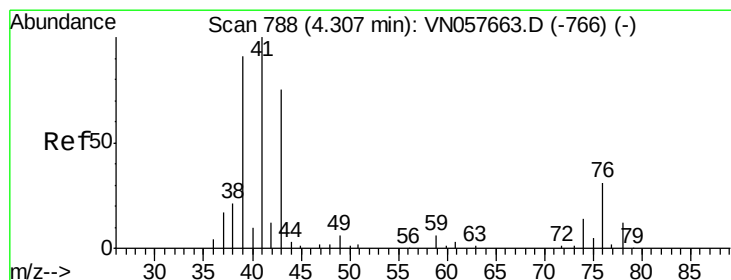
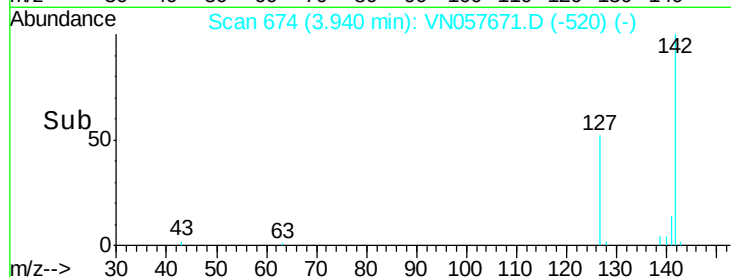
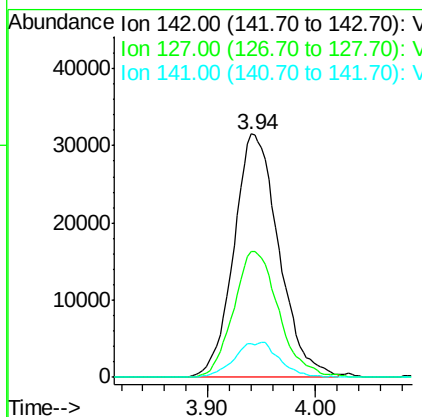
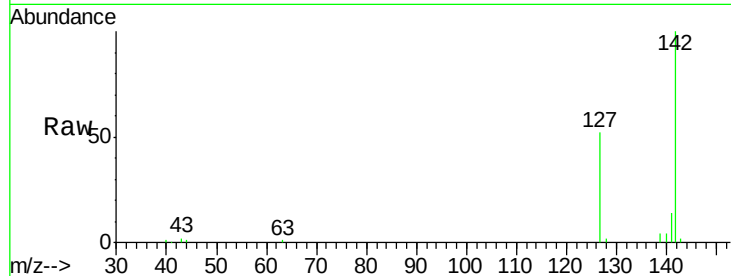
#11
Methvl Iodide
Concen: 19.919 ug/l
RT: 3.94 min Scan# 674
Delta R.T. -0.00 min
Lab File: VN057671.D
Acq: 3 Sep 2019 18:57

Instrument :
MSVOA_N
ClientSampleId :
VN0903WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	51.3	26.2	78.5
141	13.8	7.6	22.9

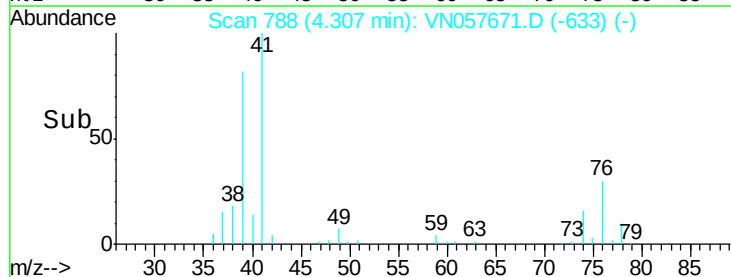
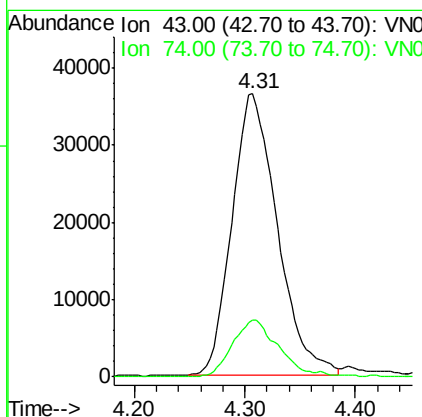
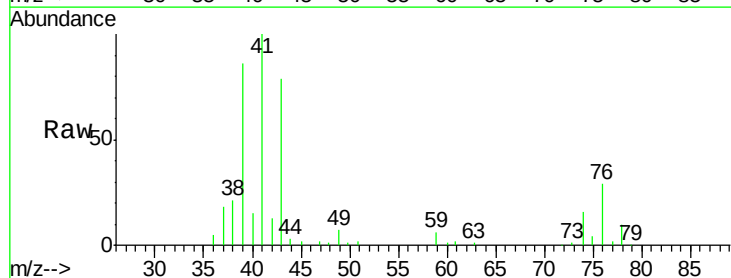
Manual Integrations
APPROVED

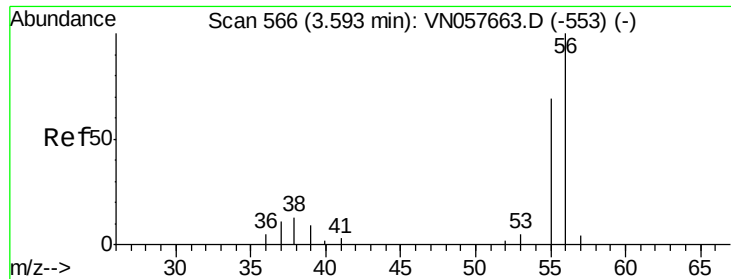
MMDadoda
9/5/2019 3:21:30 PM



#12
Methyl Acetate
Concen: 21.072 ug/l
RT: 4.31 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN057671.D
Acq: 3 Sep 2019 18:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.2	14.6	22.0





#13

Acrolein

Concen: 94.278 ug/l

RT: 3.59 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN057671.D

Acq: 3 Sep 2019 18:57

Instrument :

MSVOA_N

ClientSampleId :

VN0903WBS01

Tot Ion: 56 Resp: 26511

Ion Ratio Lower Upper

56 100

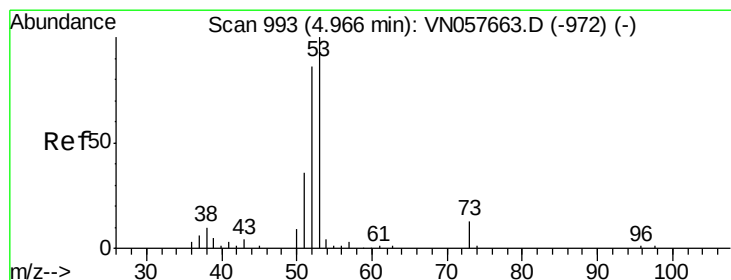
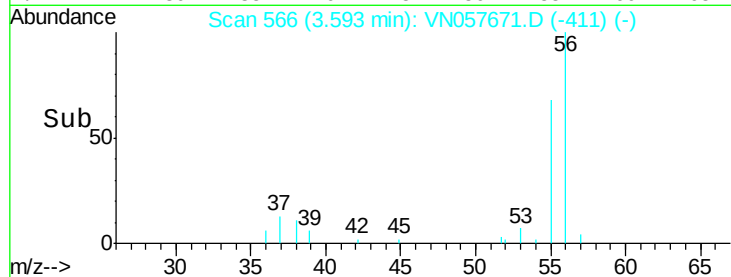
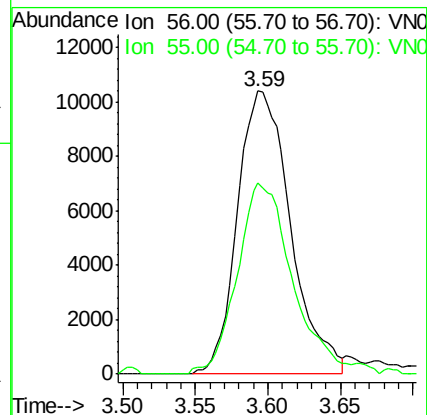
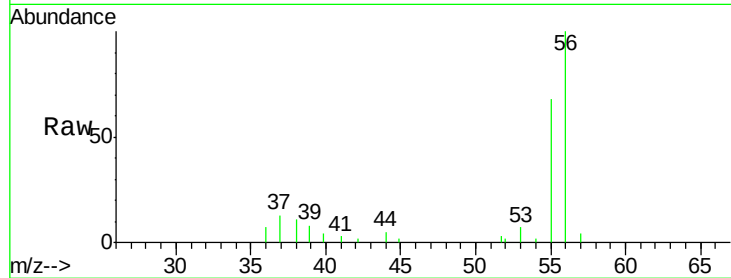
55 69.7 54.2 81.4

Manual Integrations

APPROVED

MMDadoda

9/5/2019 3:21:30 PM



#14

Acrylonitrile

Concen: 101.019 ug/l

RT: 4.97 min Scan# 993

Delta R.T. -0.00 min

Lab File: VN057671.D

Acq: 3 Sep 2019 18:57

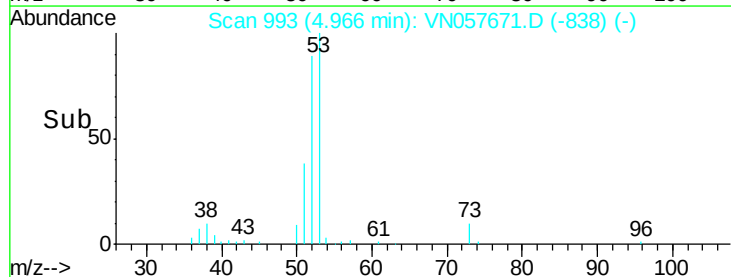
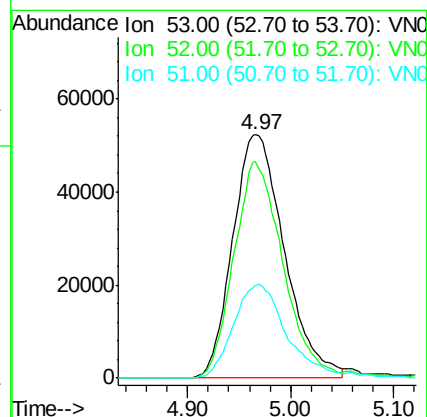
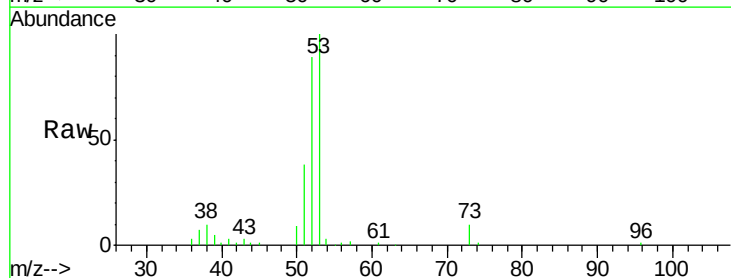
Tgt Ion: 53 Resp: 182208

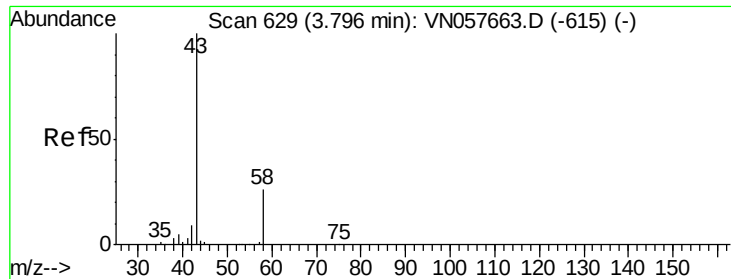
Ion Ratio Lower Upper

53 100

52 84.4 41.9 125.7

51 39.4 19.4 58.2





#15

Acetone

Concen: 90.362 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN057671.D

Acq: 3 Sep 2019 18:57

Instrument :

MSVOA_N

ClientSampled :

VN0903WBS01

Tot Ion: 58 Resp: 45717

Ion Ratio Lower Upper

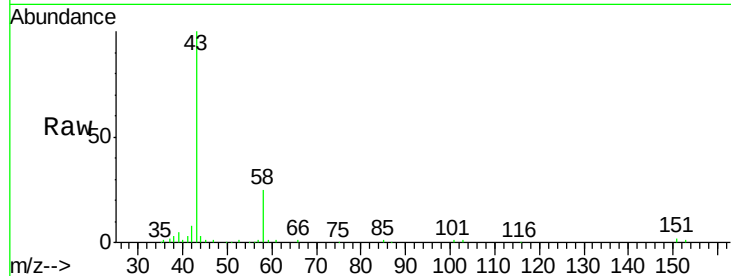
58 100

43 395.8 308.8 463.2

Manual Integrations
APPROVED

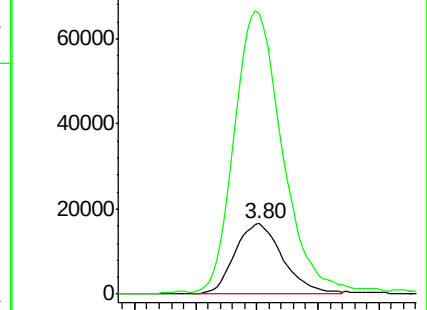
MMDadoda

9/5/2019 3:21:30 PM

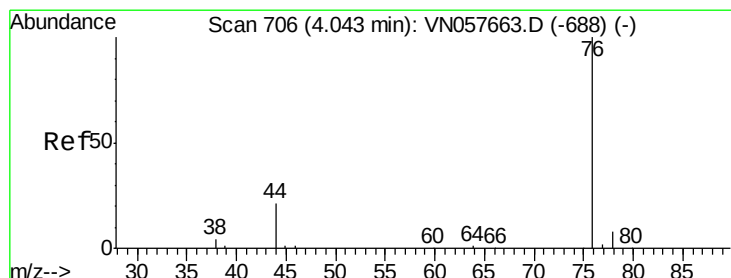
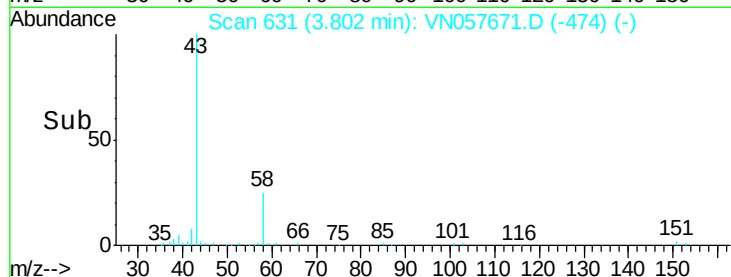


Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



Time-->



#16

Carbon Disulfide

Concen: 19.123 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN057671.D

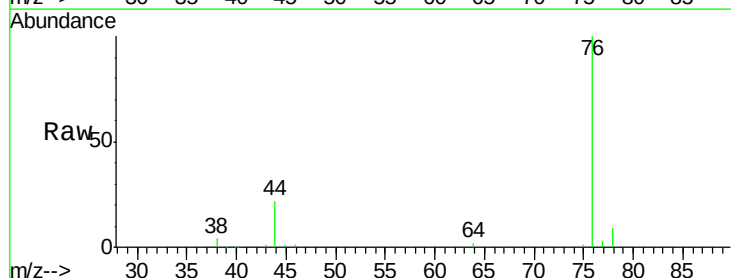
Acq: 3 Sep 2019 18:57

Tgt Ion: 76 Resp: 159456

Ion Ratio Lower Upper

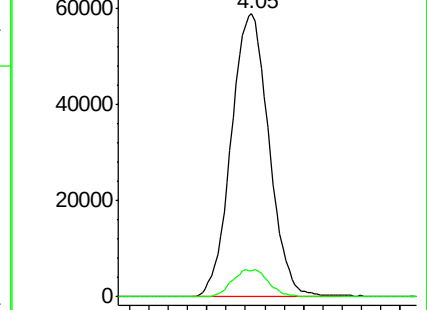
76 100

78 9.2 6.8 10.2

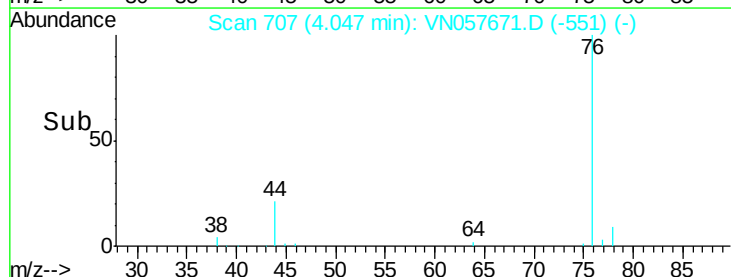


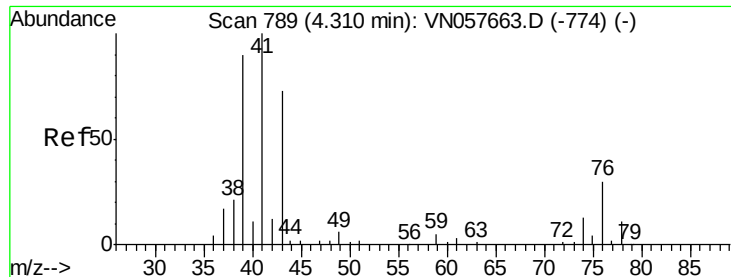
Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0



Time-->





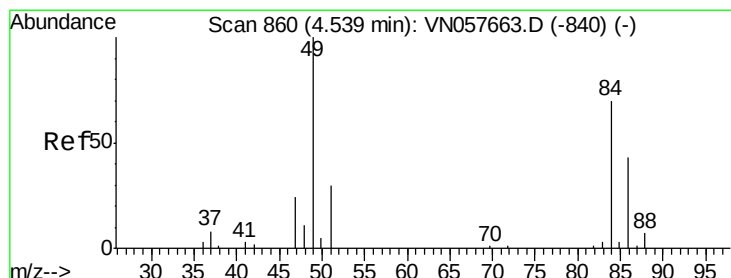
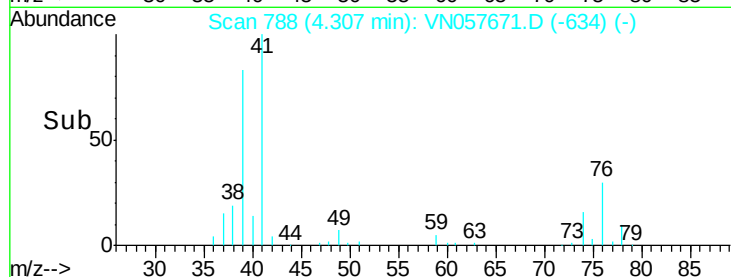
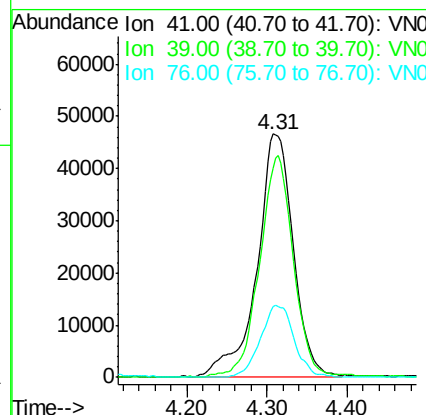
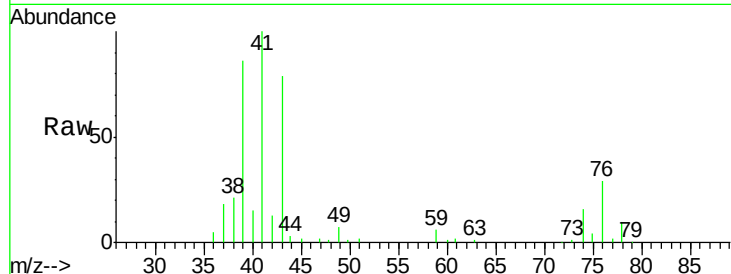
#17
Allvl chloride
Concen: 20.595 ug/l
RT: 4.31 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN057671.D
Acq: 3 Sep 2019 18:57

Instrument :
MSVOA_N
ClientSampleId :
VN0903WBS01

Tot Ion:	41	Resp:	146001
Ion Ratio	Lower	Upper	
41	100		
39	85.5	43.0	128.8
76	28.9	14.2	42.8

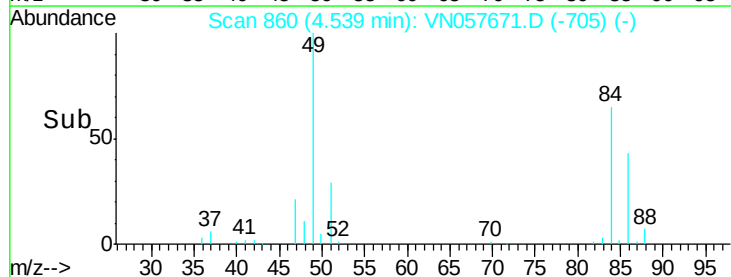
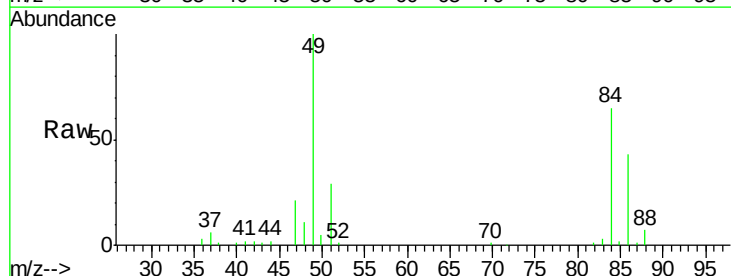
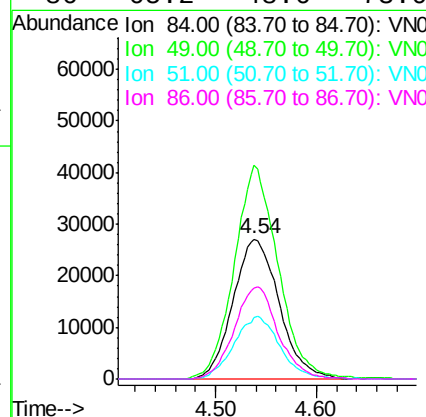
Manual Integrations
APPROVED

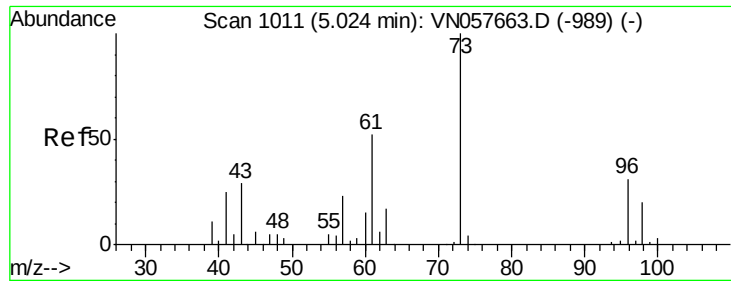
MMDadoda
9/5/2019 3:21:30 PM



#18
Methylene Chloride
Concen: 20.751 ug/l
RT: 4.54 min Scan# 860
Delta R.T. -0.00 min
Lab File: VN057671.D
Acq: 3 Sep 2019 18:57

Tgt Ion:	84	Resp:	86313
Ion Ratio	Lower	Upper	
84	100		
49	151.2	113.7	170.5
51	43.6	34.5	51.7
86	65.2	48.6	73.0





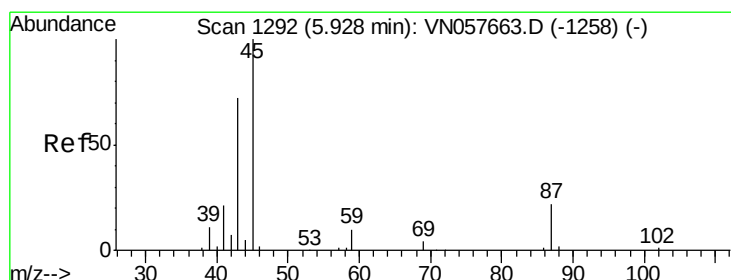
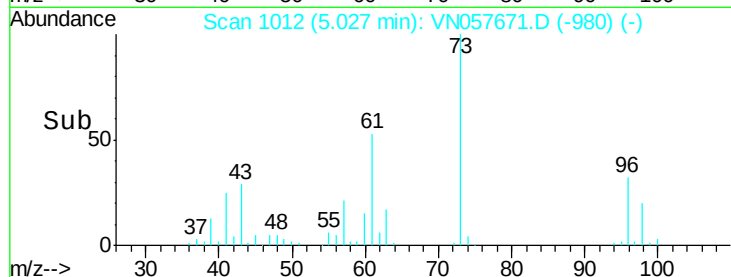
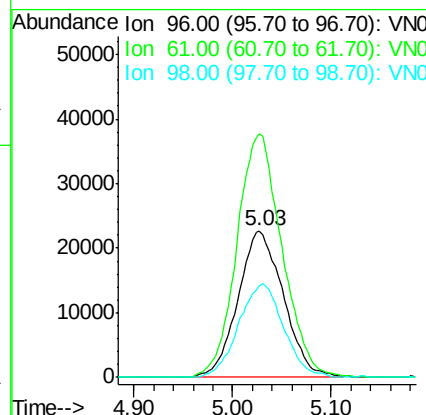
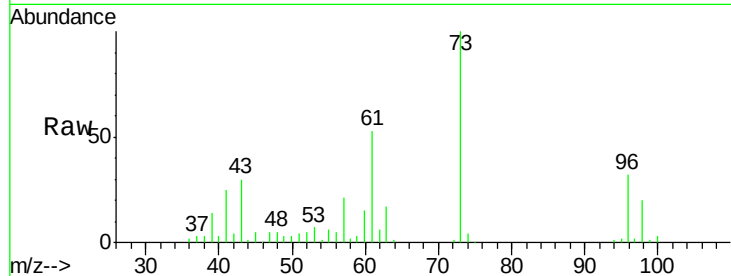
#19
trans-1,2-Dichloroethene
Concen: 20.558 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN057671.D
Acq: 3 Sep 2019 18:57

Instrument :
MSVOA_N
ClientSampled :
VN0903WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	165.4	133.4	200.0
98	62.6	50.4	75.6

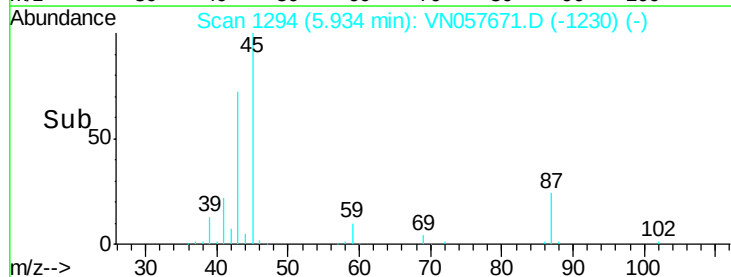
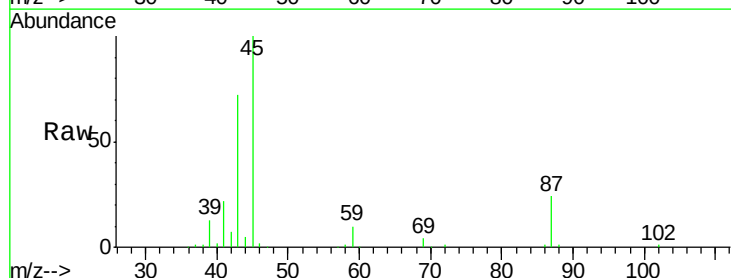
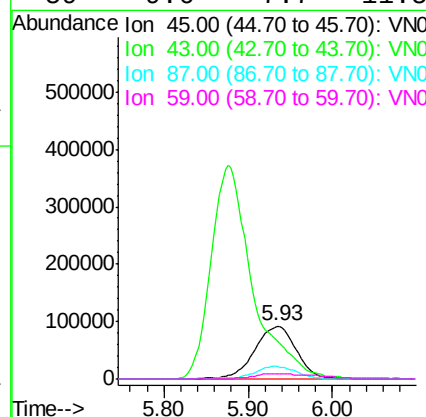
Manual Integrations
APPROVED

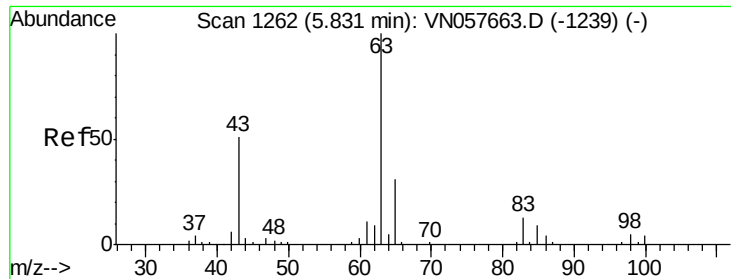
MMDadoda
9/5/2019 3:21:30 PM



#20
Diisopropyl ether
Concen: 20.681 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VN057671.D
Acq: 3 Sep 2019 18:57

Tgt Ion	Ratio	Lower	Upper
45	100		
43	68.9	58.3	87.5
87	23.7	18.5	27.7
59	9.6	7.7	11.5





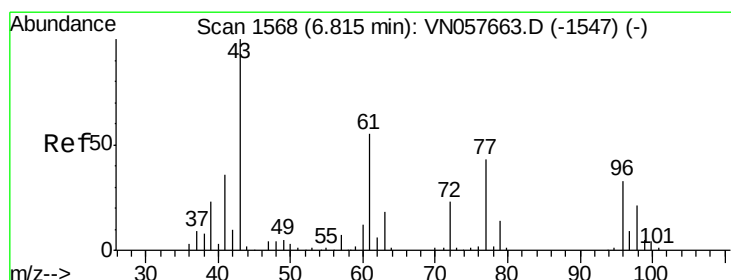
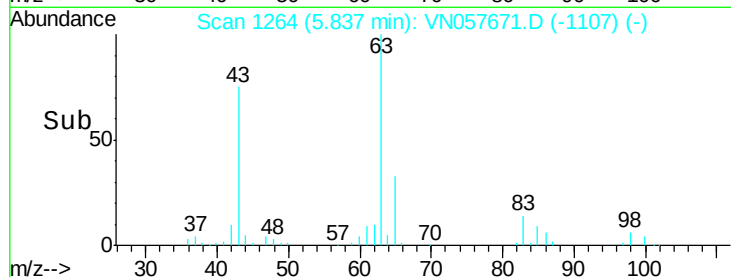
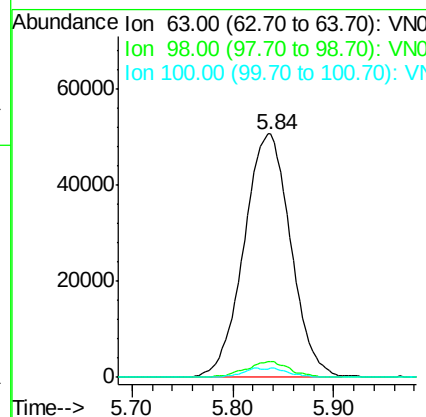
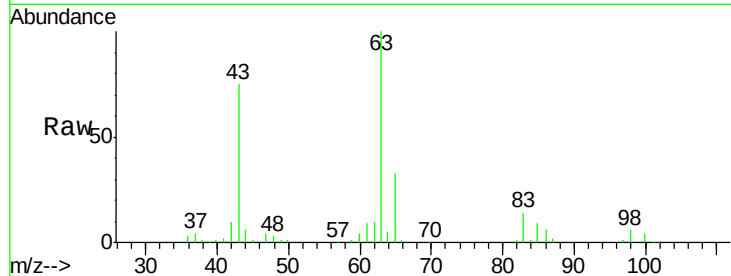
#21
 1,1-Dichloroethane
 Concen: 20.674 ug/l
 RT: 5.84 min Scan# 1264
 Delta R.T. 0.01 min
 Lab File: VN057671.D
 Acq: 3 Sep 2019 18:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0903WBS01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	162785		
98	6.5	2.6	7.8	
100	3.8	1.8	5.5	

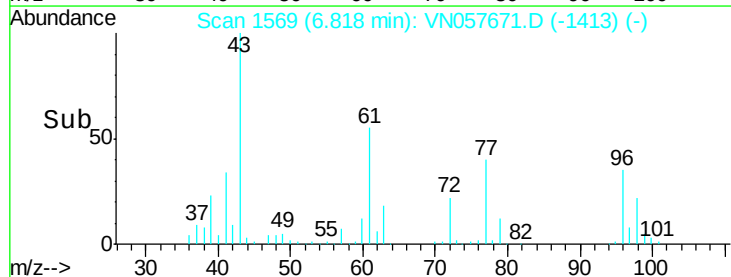
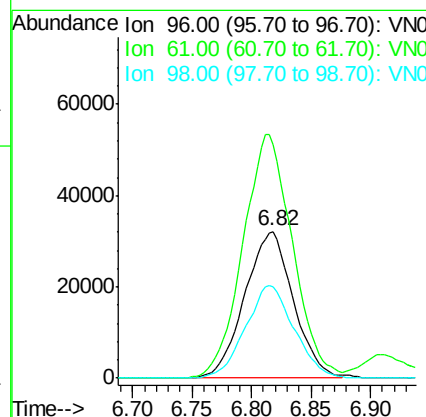
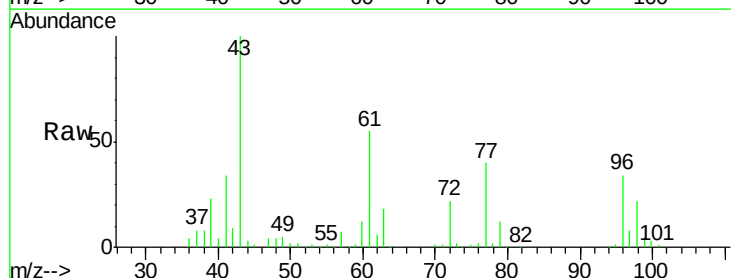
Manual Integrations
 APPROVED

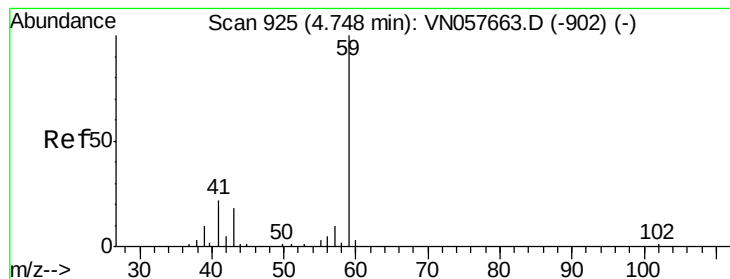
MMDadoda
 9/5/2019 3:21:30 PM



#22
 cis-1,2-Dichloroethene
 Concen: 21.158 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN057671.D
 Acq: 3 Sep 2019 18:57

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	90738		
61	169.5	137.2	205.8	
98	63.3	50.5	75.7	





#23

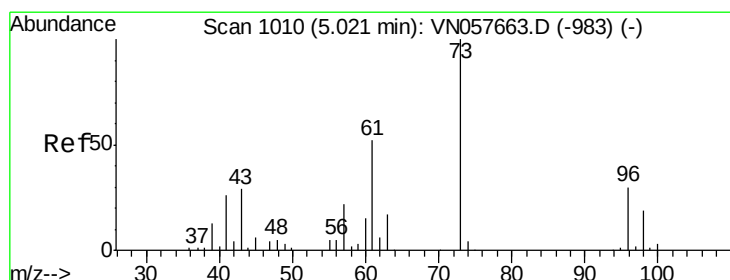
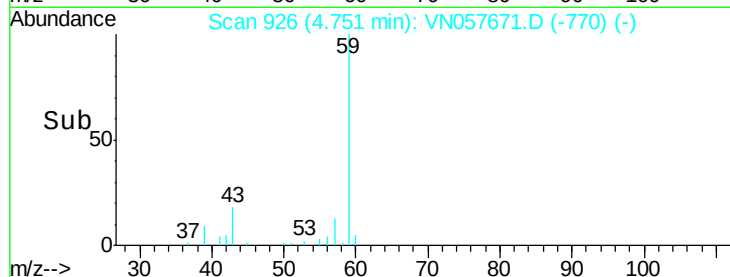
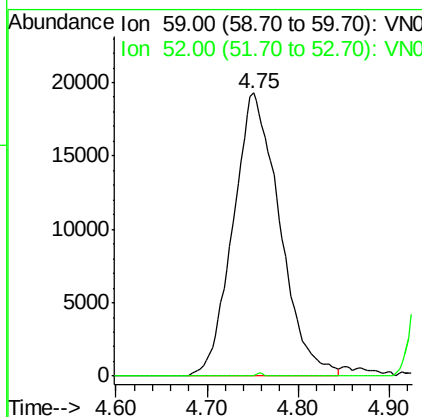
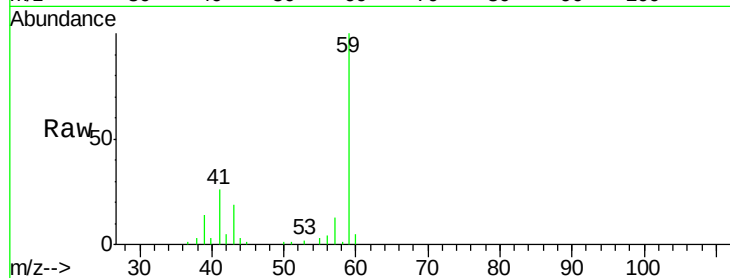
tert-Butyl Alcohol
 Concen: 104.575 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. 0.00 min
 Lab File: VN057671.D
 Acq: 3 Sep 2019 18:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0903WBS01

Tot Ion	59	Ratio	Lower	Upper
59	100			
52	0.1	0.0	0.0	0.0

Manual Integrations
 APPROVED

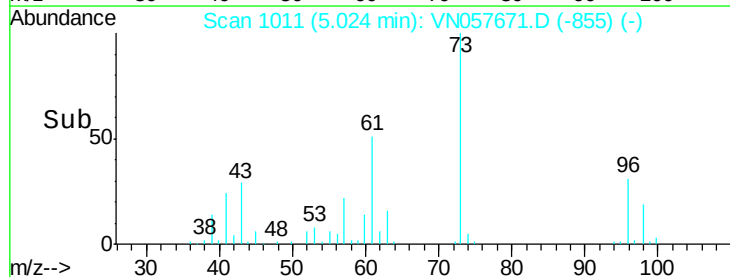
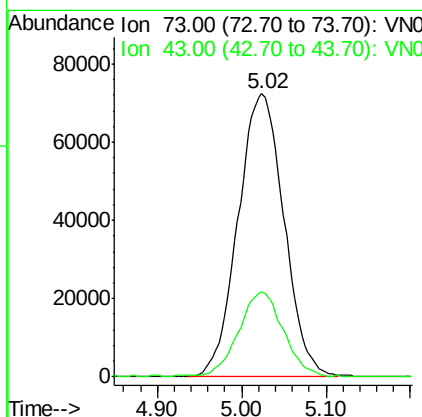
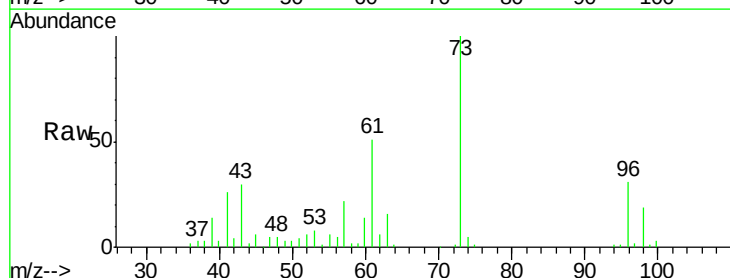
MMDadoda
 9/5/2019 3:21:30 PM

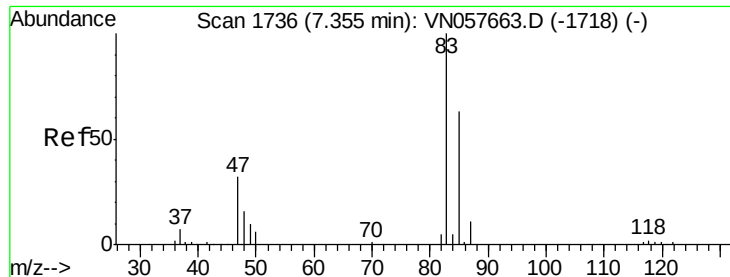


#24

Methyl tert-Butyl Ether
 Concen: 20.762 ug/l
 RT: 5.02 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VN057671.D
 Acq: 3 Sep 2019 18:57

Tgt Ion	73	Ratio	Lower	Upper
73	100			
43	28.9	23.2	34.8	





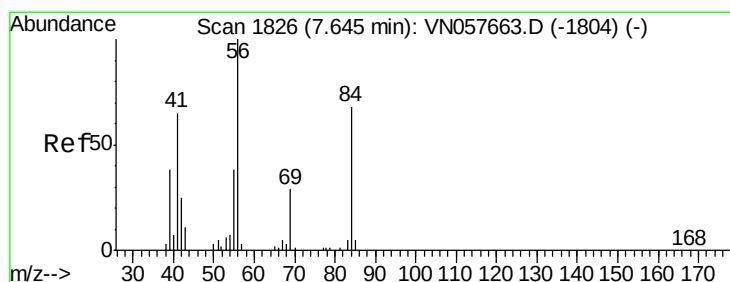
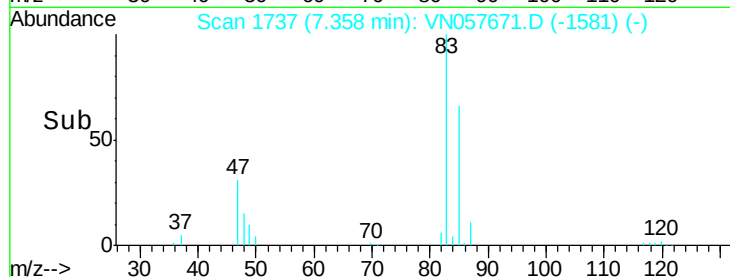
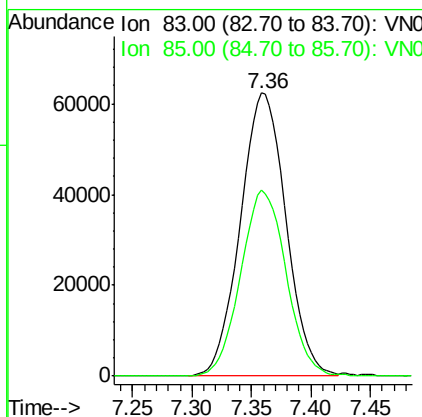
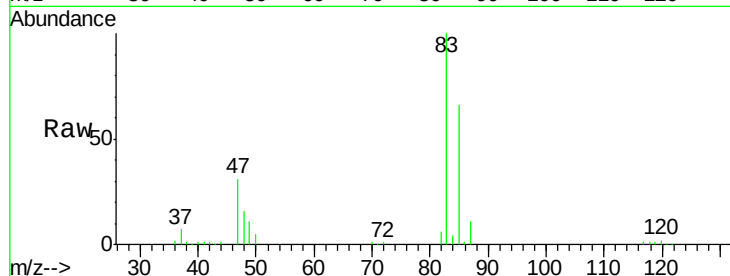
#25
Chloroform
Concen: 20.311 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057671.D
Acq: 3 Sep 2019 18:57

Instrument :
MSVOA_N
ClientSampleId :
VN0903WBS01

Tot Ion	83	Resp	165778
Ion	Ratio	Lower	Upper
83	100		
85	65.9	50.8	76.2

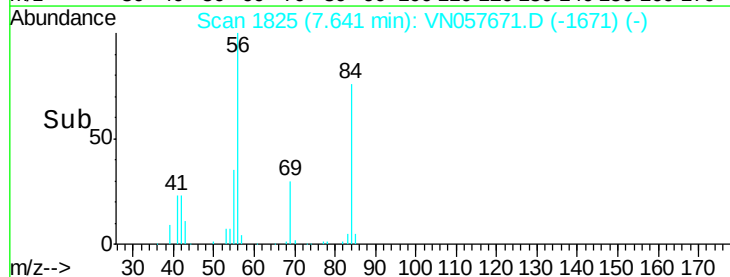
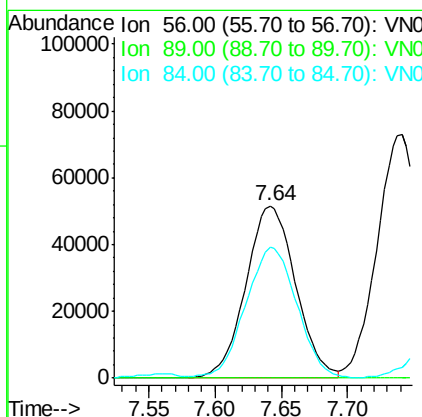
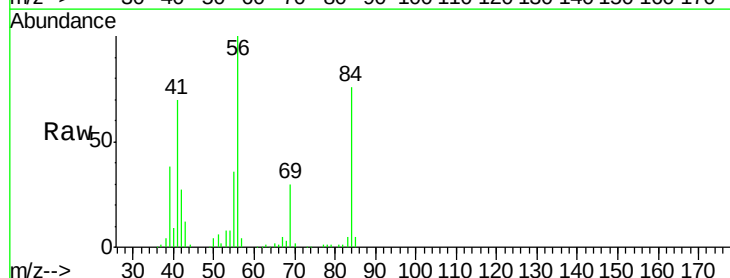
Manual Integrations
APPROVED

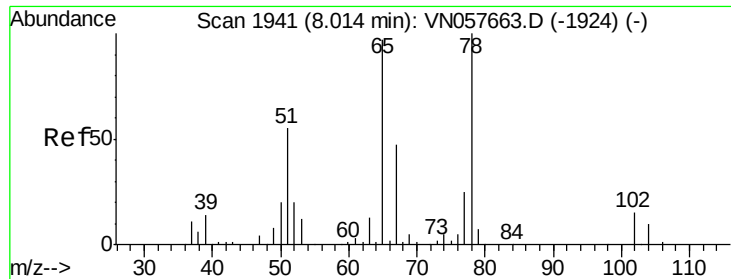
MMDadoda
9/5/2019 3:21:30 PM



#26
Cyclohexane
Concen: 20.188 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.00 min
Lab File: VN057671.D
Acq: 3 Sep 2019 18:57

Tgt Ion	56	Resp	135358
Ion	Ratio	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	78.2	60.4	90.6





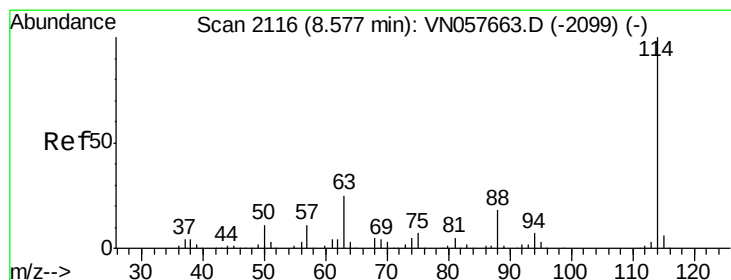
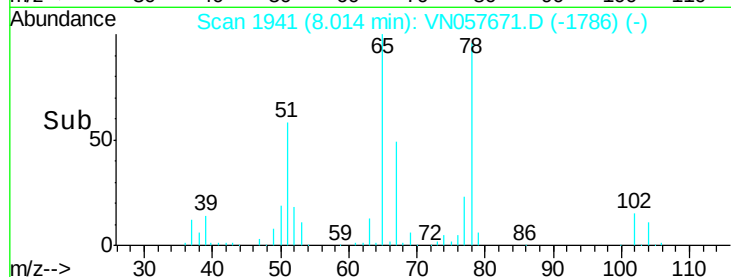
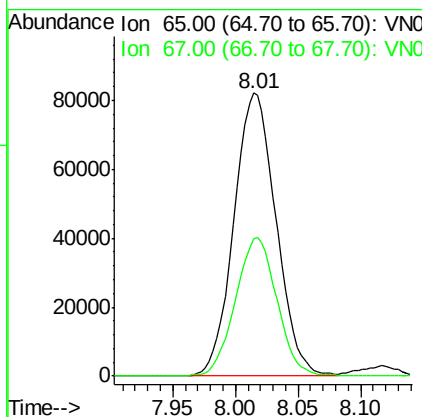
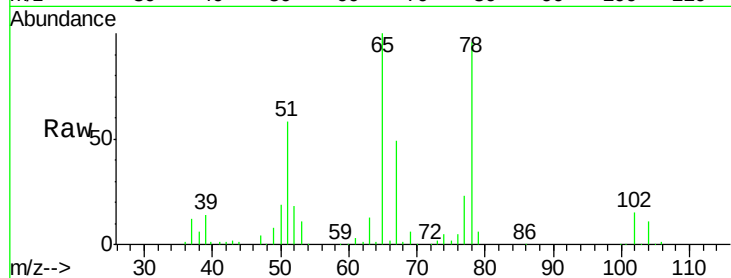
#27
 1,2-Dichloroethane-d4
 Concen: 30.715 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. -0.00 min
 Lab File: VN057671.D
 Acq: 3 Sep 2019 18:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0903WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	48.1	38.6	57.8

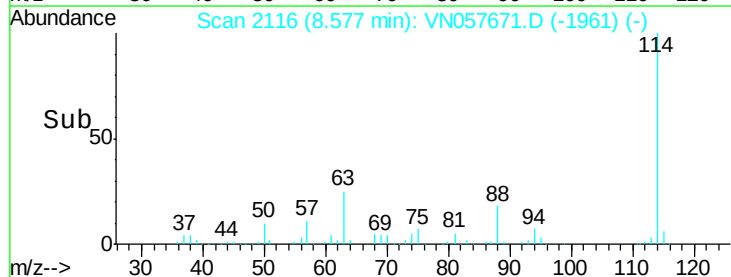
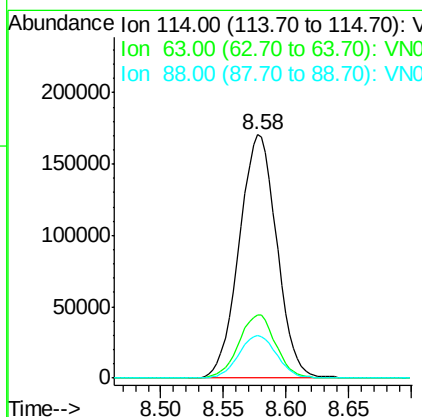
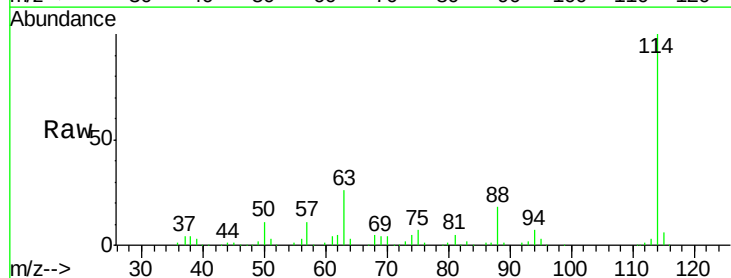
Manual Integrations
 APPROVED

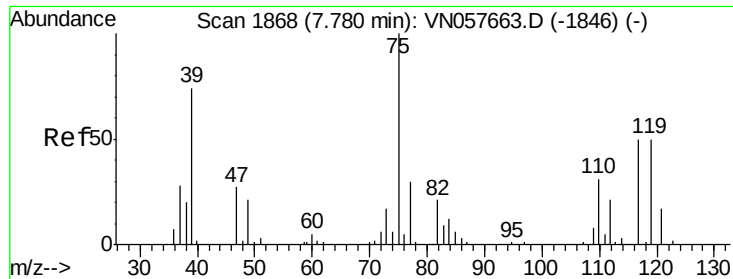
MMDadoda
 9/5/2019 3:21:30 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. -0.00 min
 Lab File: VN057671.D
 Acq: 3 Sep 2019 18:57

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.4	20.6	30.8
88	17.6	14.3	21.5





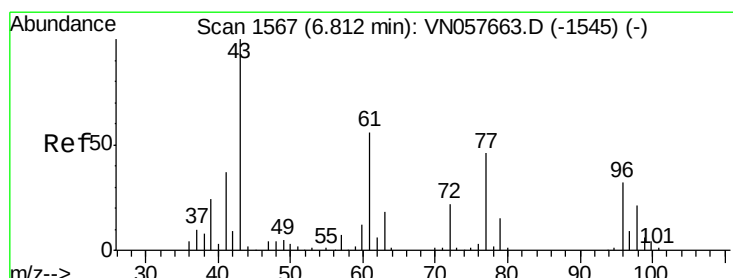
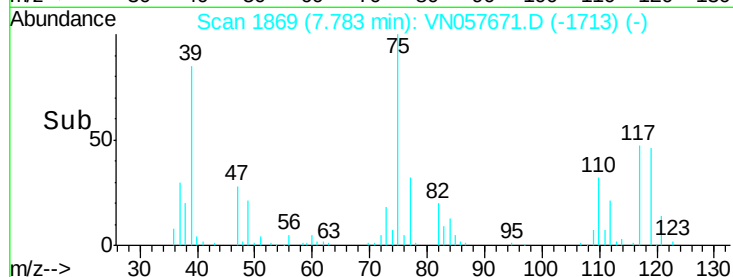
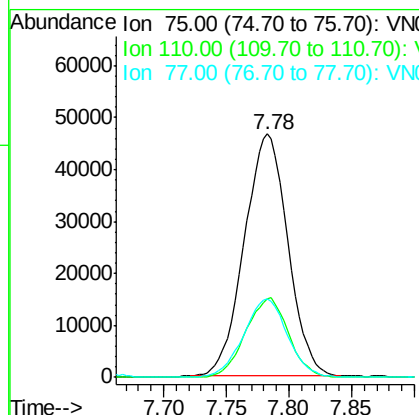
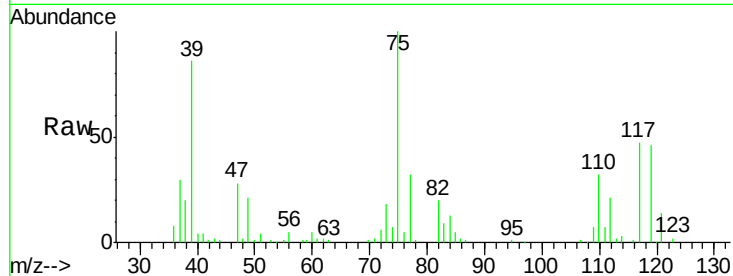
#29
 1,1-Dichloropropene
 Concen: 19.646 ug/l
 RT: 7.78 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VN057671.D
 Acq: 3 Sep 2019 18:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0903WBS01

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	32.6	0.0	62.8	
77	32.9	0.0	57.8	

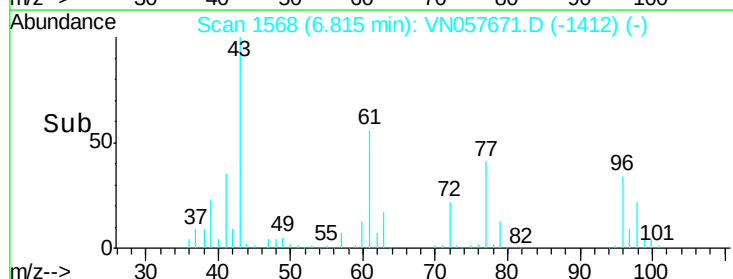
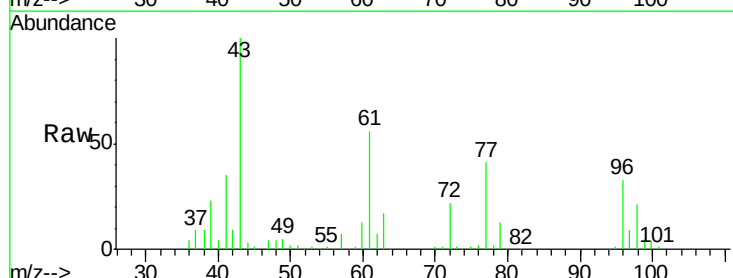
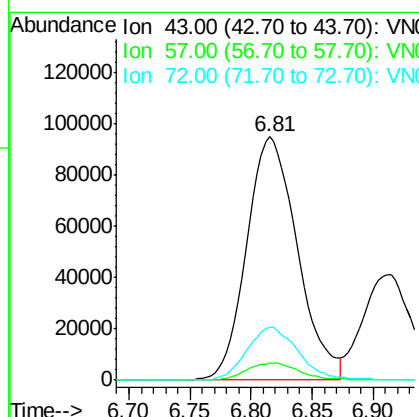
Manual Integrations
 APPROVED

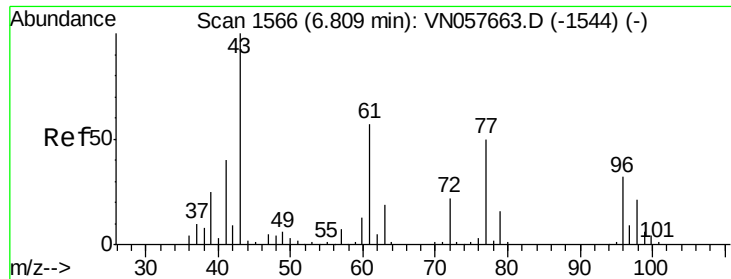
MMDadoda
 9/5/2019 3:21:30 PM



#30
 2-Butanone
 Concen: 101.460 ug/l
 RT: 6.81 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN057671.D
 Acq: 3 Sep 2019 18:57

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
57	7.4	2.6	3.8#	
72	22.2	18.1	27.1	





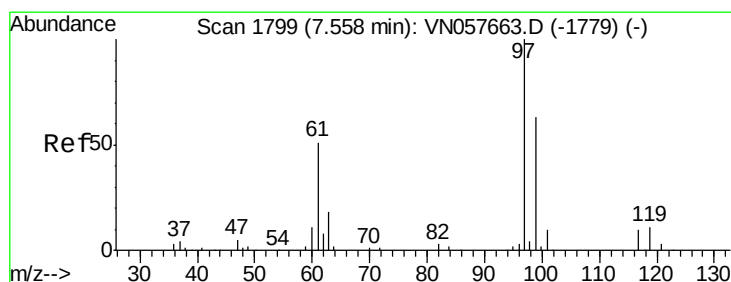
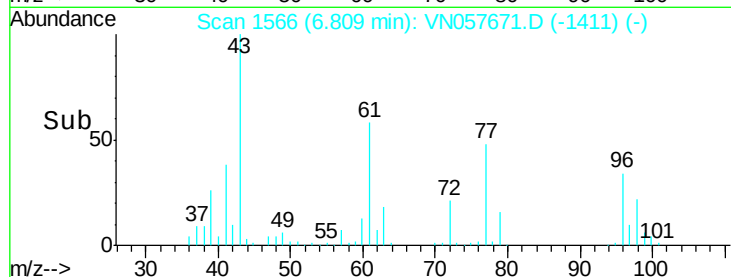
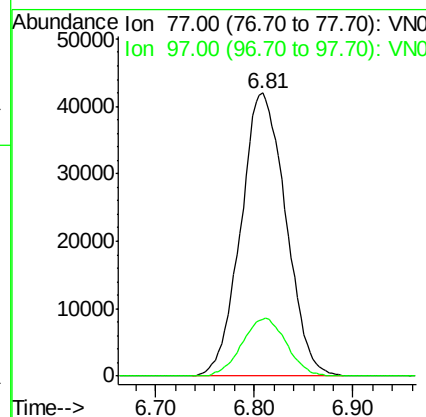
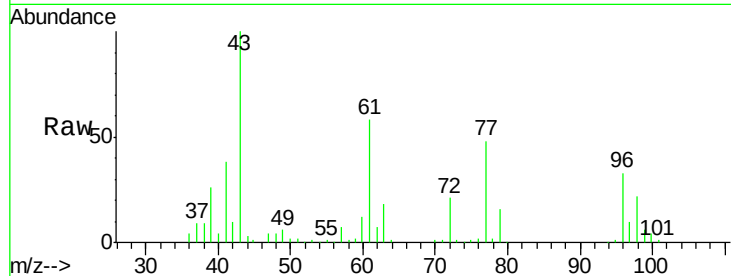
#31
 2,2-Dichloropropane
 Concen: 18.791 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN057671.D
 Acq: 3 Sep 2019 18:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0903WBS01

Tot Ion: 77 Resp: 132233
 Ion Ratio Lower Upper
 77 100
 97 20.1 8.8 13.2#

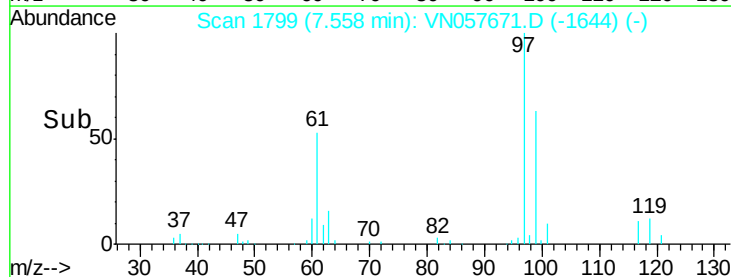
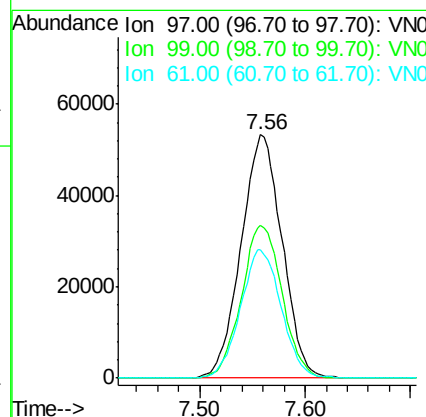
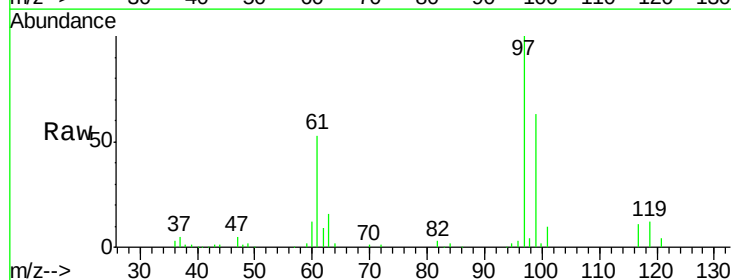
Manual Integrations
 APPROVED

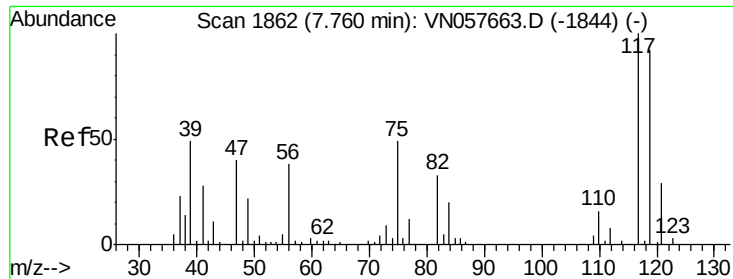
MMDadoda
 9/5/2019 3:21:30 PM



#32
 1,1,1-Trichloroethane
 Concen: 20.500 ug/l
 RT: 7.56 min Scan# 1799
 Delta R.T. -0.00 min
 Lab File: VN057671.D
 Acq: 3 Sep 2019 18:57

Tgt Ion: 97 Resp: 144299
 Ion Ratio Lower Upper
 97 100
 99 62.1 51.9 77.9
 61 52.2 41.4 62.0





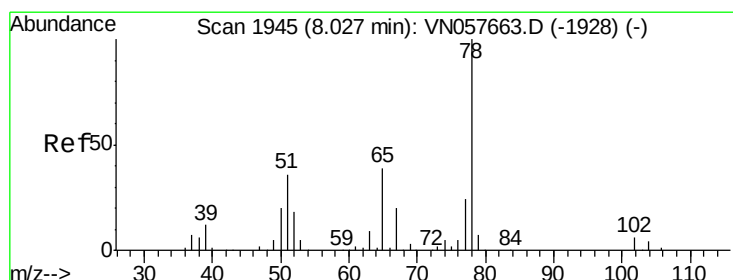
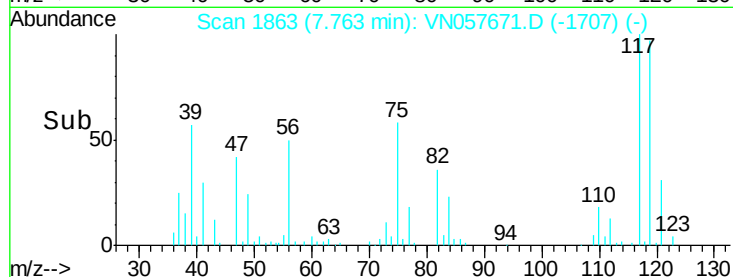
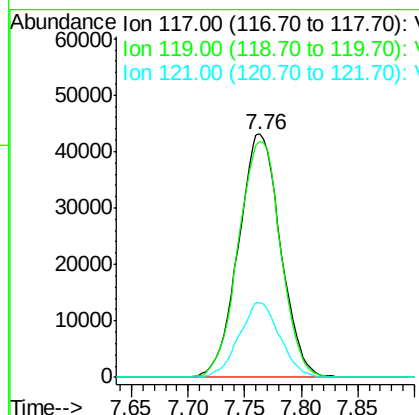
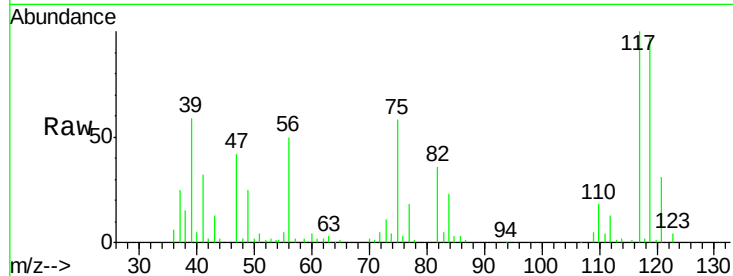
#33
Carbon Tetrachloride
Concen: 19.479 ug/l
RT: 7.76 min Scan# 1863
Delta R.T. 0.00 min
Lab File: VN057671.D
Acq: 3 Sep 2019 18:57

Instrument :
MSVOA_N
ClientSampleId :
VN0903WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	111350		
119	97.1	73.3	109.9	
121	30.9	23.3	34.9	

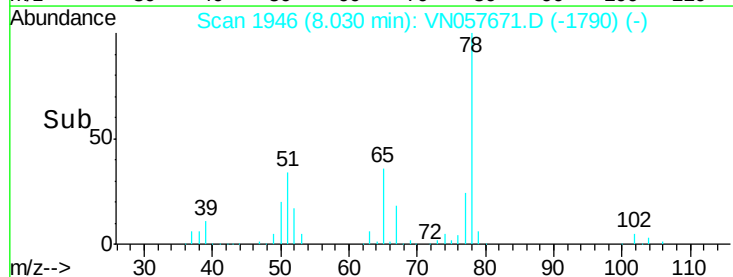
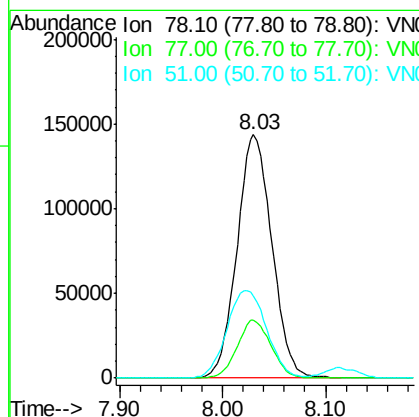
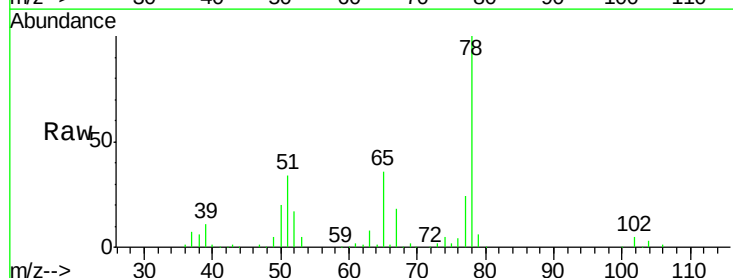
Manual Integrations
APPROVED

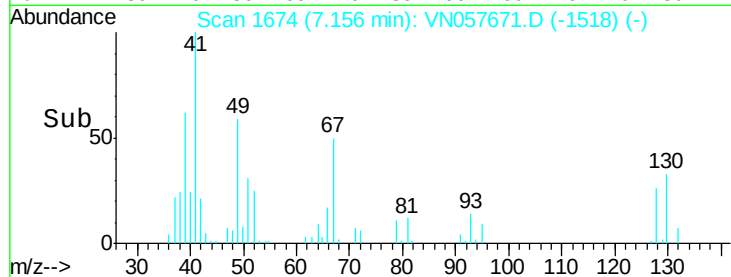
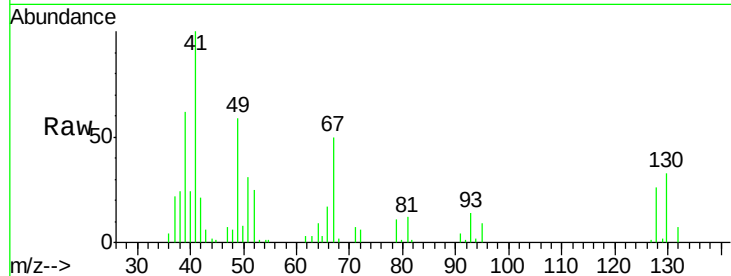
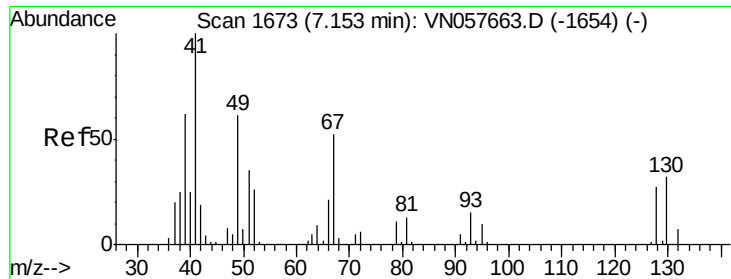
MMDadoda
9/5/2019 3:21:30 PM



#34
Benzene
Concen: 20.728 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN057671.D
Acq: 3 Sep 2019 18:57

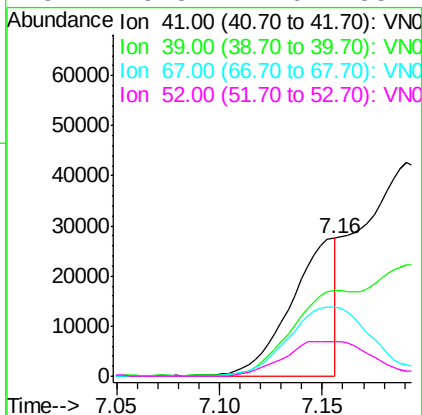
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	338530		
77	24.0	18.8	28.2	
51	33.4	29.0	43.6	





#35
Methacrylonitrile
Concen: 16.954 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN057671.D
Acq: 3 Sep 2019 18:57

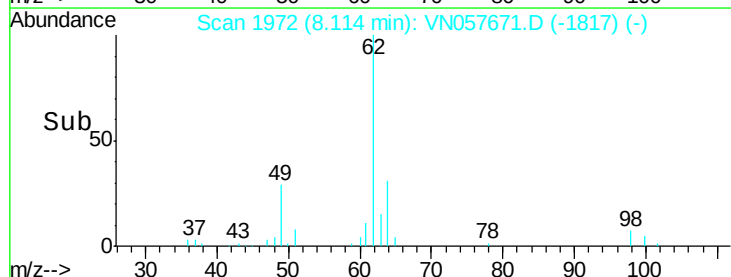
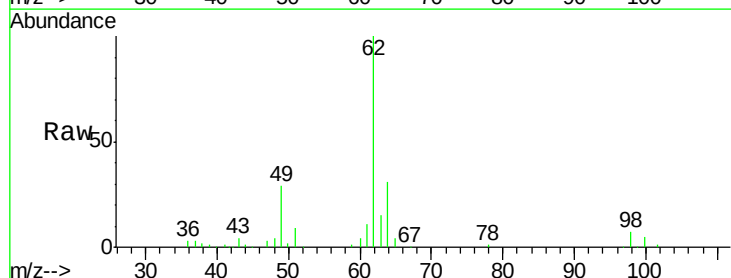
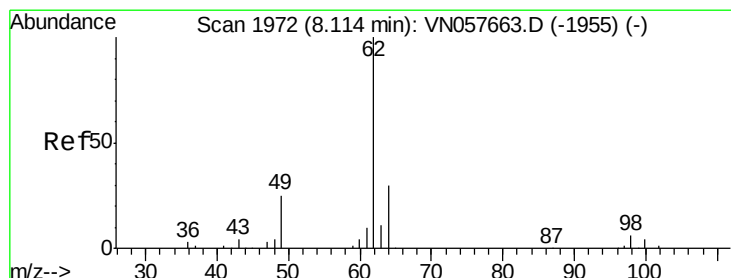
Tot Ion	41	Resp	41715
Ion	Ratio	Lower	Upper
41	100		
39	62.2	31.0	93.0
67	50.5	25.9	77.7
52	25.3	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VN0903WBS01

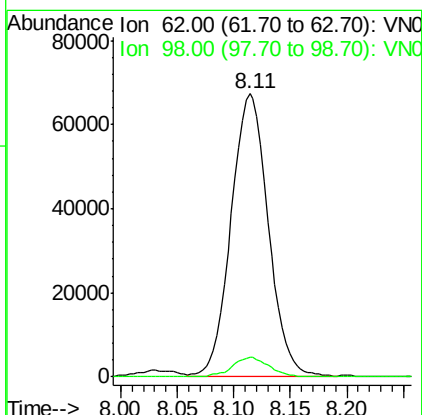
Manual Integrations
APPROVED

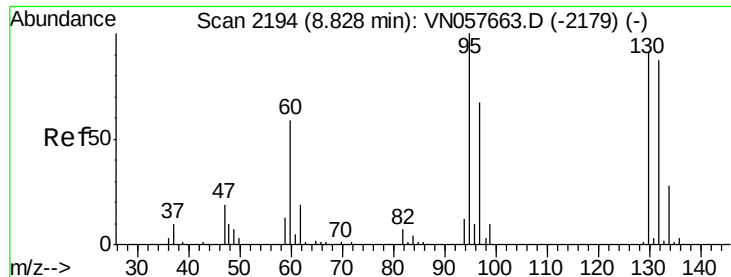
MMDadoda
9/5/2019 3:21:30 PM



#36
1,2-Dichloroethane
Concen: 21.065 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VN057671.D
Acq: 3 Sep 2019 18:57

Tgt Ion	62	Resp	153318
Ion	Ratio	Lower	Upper
62	100		
98	6.9	0.0	0.0#





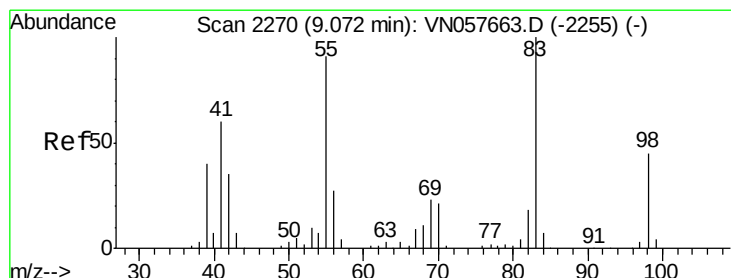
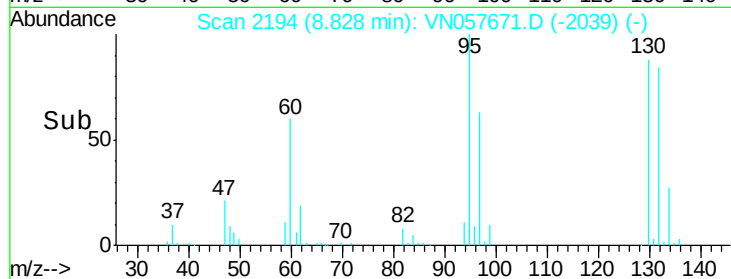
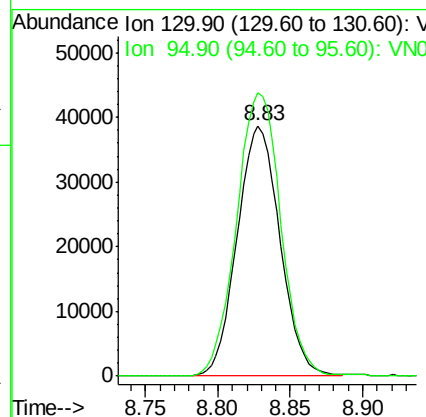
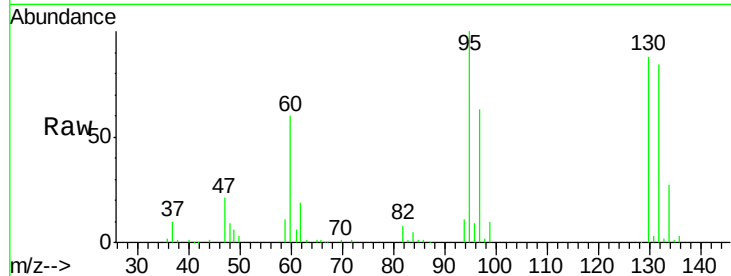
#37
 Trichloroethene
 Concen: 20.467 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VN057671.D
 Acq: 3 Sep 2019 18:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0903WBS01

Tot Ion:130 Resp: 79372
 Ion Ratio Lower Upper
 130 100
 95 113.1 87.5 131.3

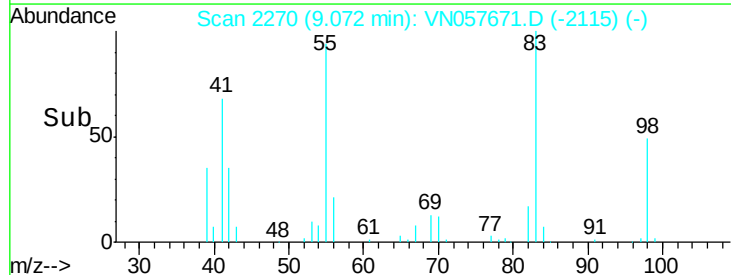
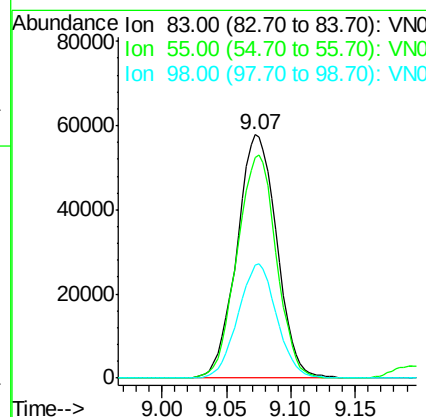
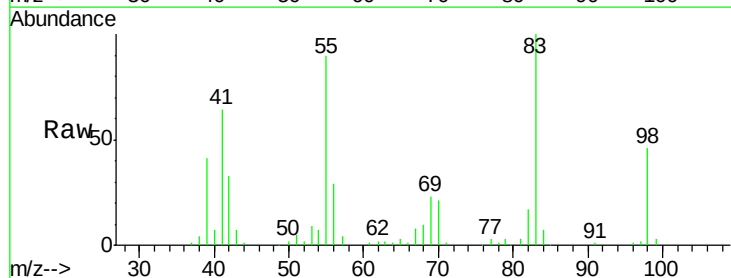
Manual Integrations
 APPROVED

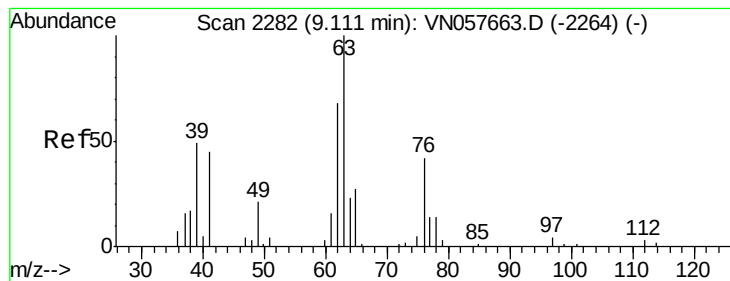
MMDadoda
 9/5/2019 3:21:30 PM



#38
 Methylcyclohexane
 Concen: 19.736 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VN057671.D
 Acq: 3 Sep 2019 18:57

Tgt Ion: 83 Resp: 124514
 Ion Ratio Lower Upper
 83 100
 55 90.2 45.1 135.3
 98 45.5 22.5 67.5





#39

1,2-Dichloropropane

Concen: 21.016 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. -0.00 min

Lab File: VN057671.D

Acq: 3 Sep 2019 18:57

Instrument :

MSVOA_N

ClientSampled :

VN0903WBS01

Tot Ion: 63 Resp: 93856

Ion Ratio Lower Upper

63 100

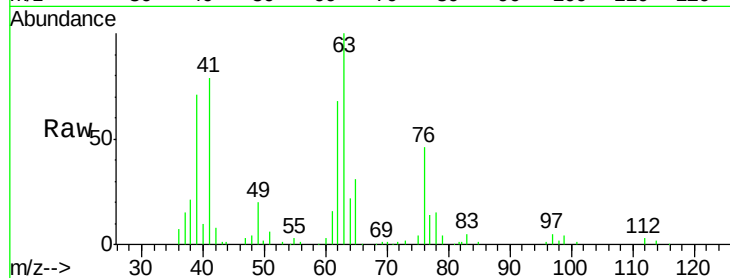
65 31.5 22.2 33.2

Manual Integrations

APPROVED

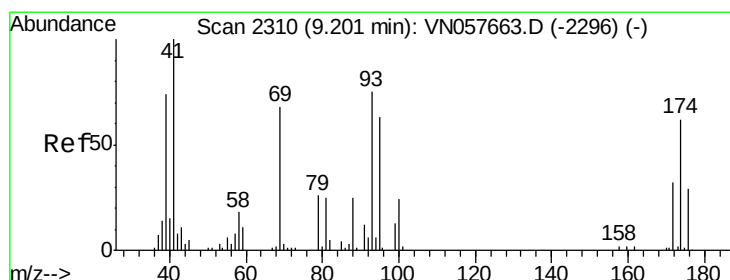
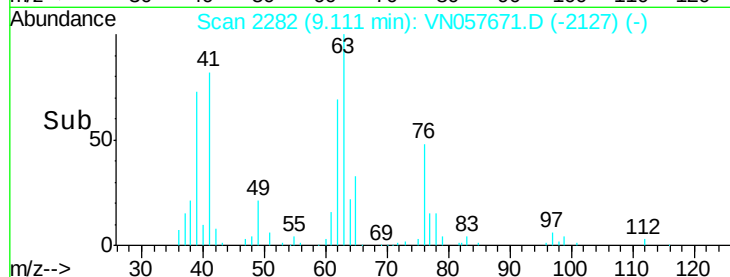
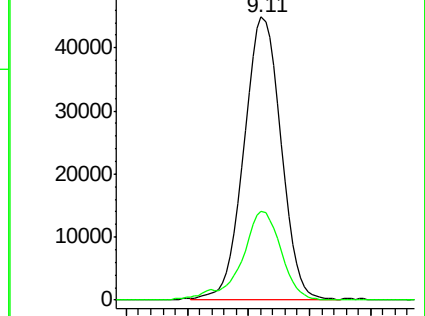
MMDadoda

9/5/2019 3:21:30 PM



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 21.070 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN057671.D

Acq: 3 Sep 2019 18:57

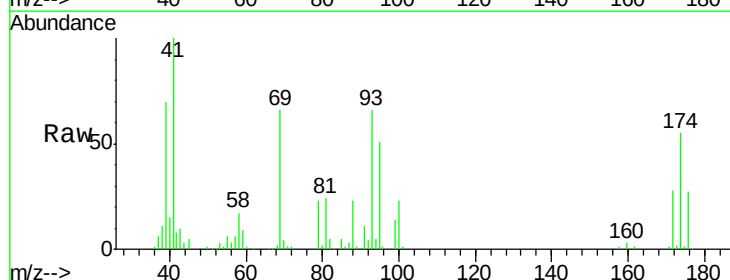
Tgt Ion: 93 Resp: 60998

Ion Ratio Lower Upper

93 100

95 79.1 0.0 168.2

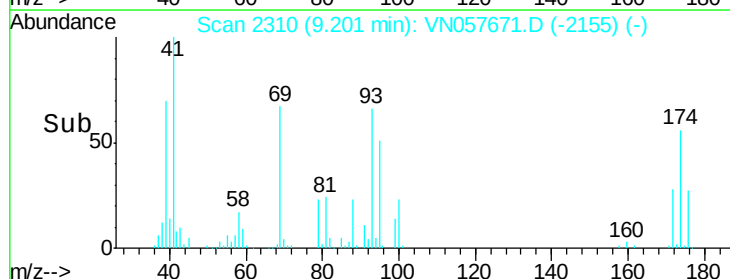
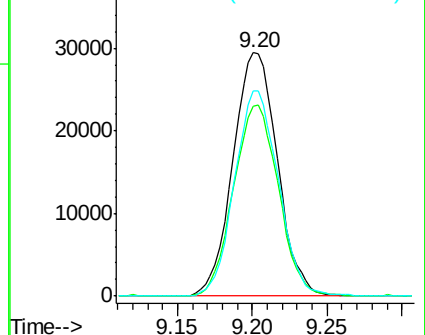
174 82.7 0.0 169.2

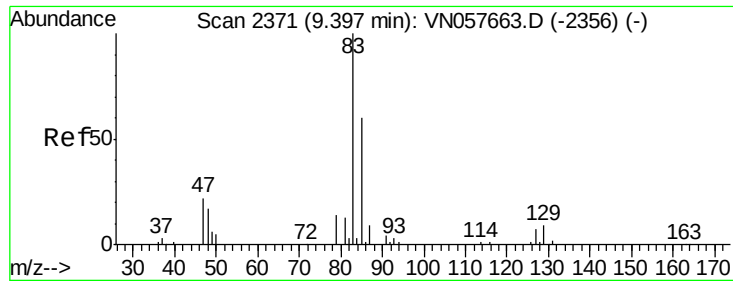


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





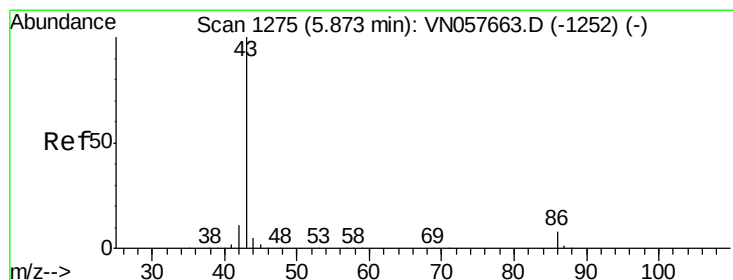
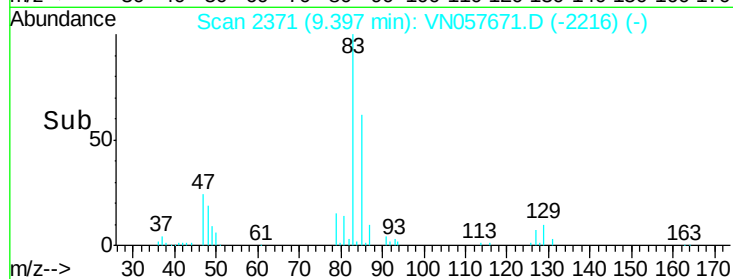
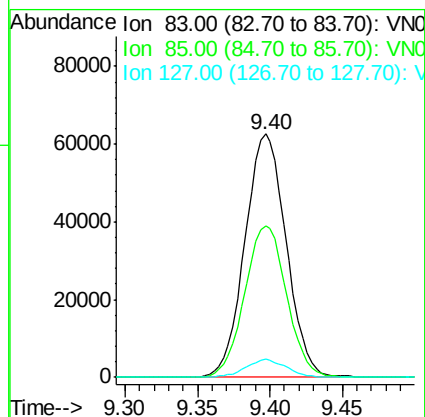
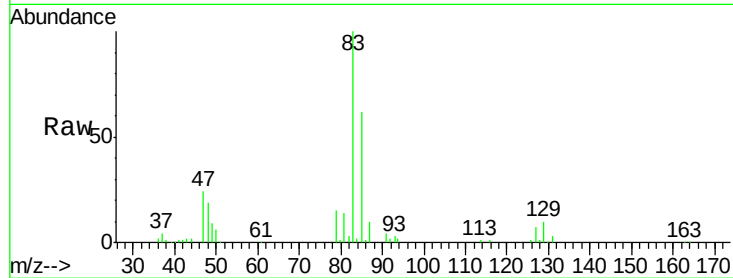
#41
 Bromodichloromethane
 Concen: 19.867 ug/l
 RT: 9.40 min Scan# 2371
 Delta R.T. -0.00 min
 Lab File: VN057671.D
 Acq: 3 Sep 2019 18:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0903WBS01

Tot Ion	83	Resp	124312
Ion Ratio	100	Lower	Upper
83	100		
85	62.3	48.2	72.4
127	7.3	5.3	7.9

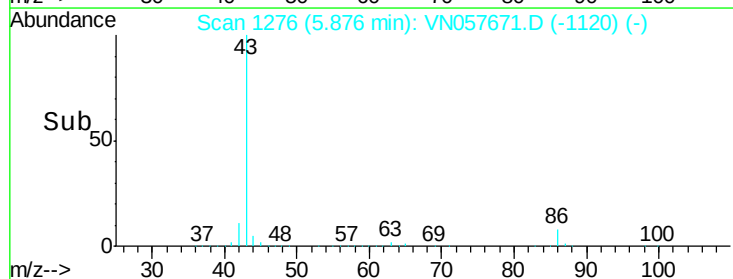
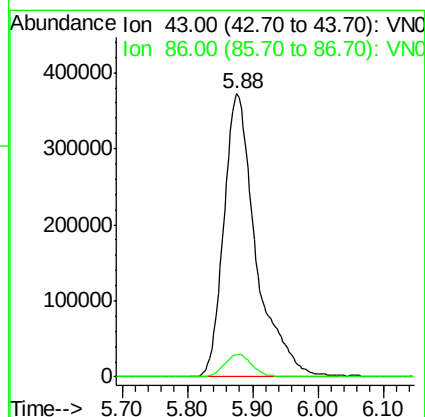
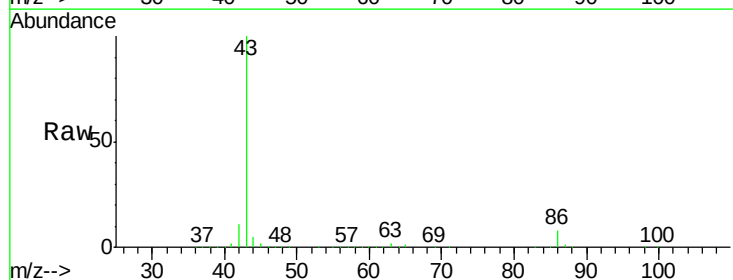
Manual Integrations
 APPROVED

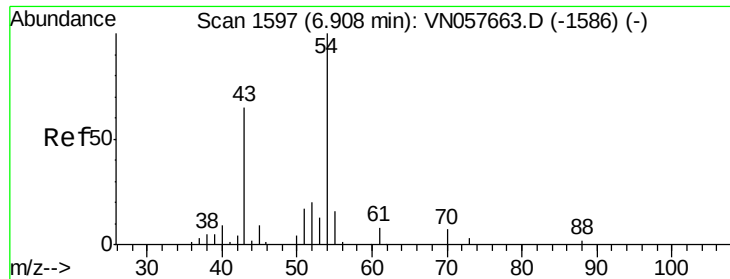
MMDadoda
 9/5/2019 3:21:30 PM



#42
 Vinyl Acetate
 Concen: 107.874 ug/l
 RT: 5.88 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VN057671.D
 Acq: 3 Sep 2019 18:57

Tgt Ion	43	Resp	1273466
Ion Ratio	100	Lower	Upper
43	100		
86	6.8	5.4	8.2





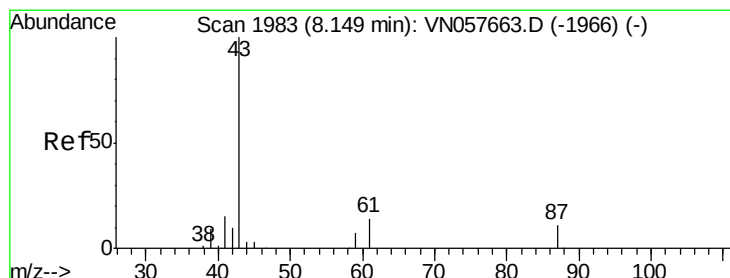
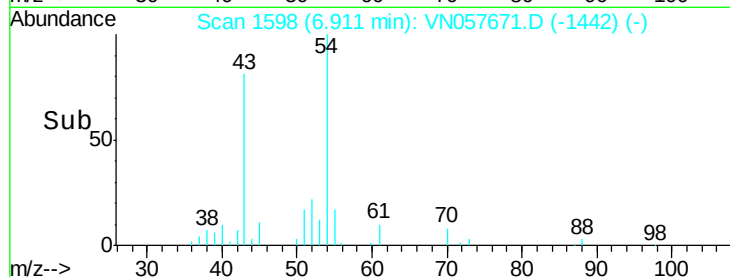
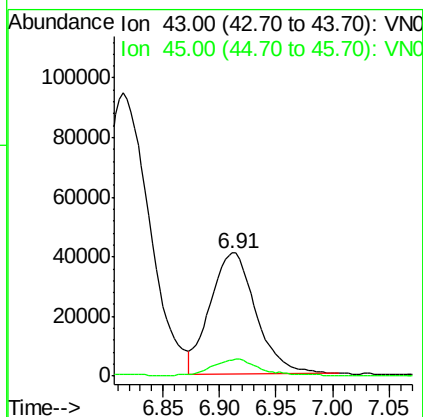
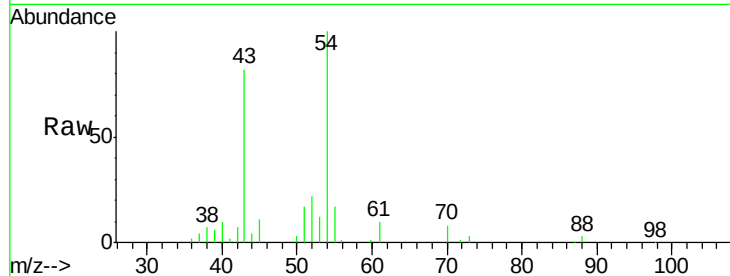
#43
Ethyl Acetate
Concen: 20.719 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN057671.D
Acq: 3 Sep 2019 18:57

Instrument :
MSVOA_N
ClientSampled :
VN0903WBS01

Tot Ion: 43 Resp: 114592
Ion Ratio Lower Upper
43 100
45 12.2 5.0 7.6#

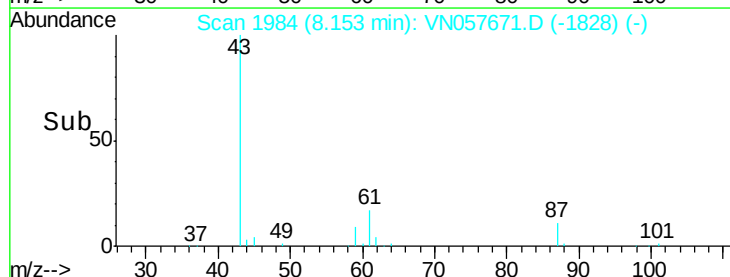
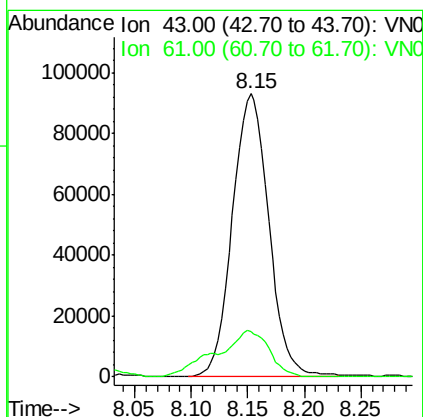
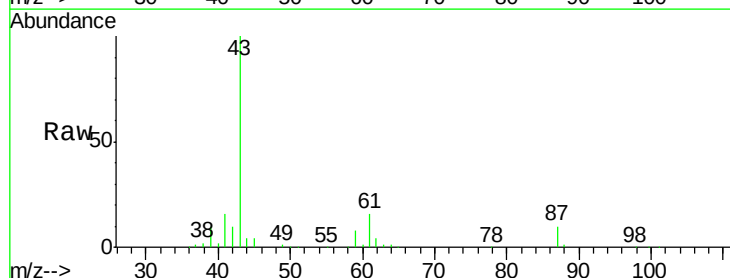
Manual Integrations
APPROVED

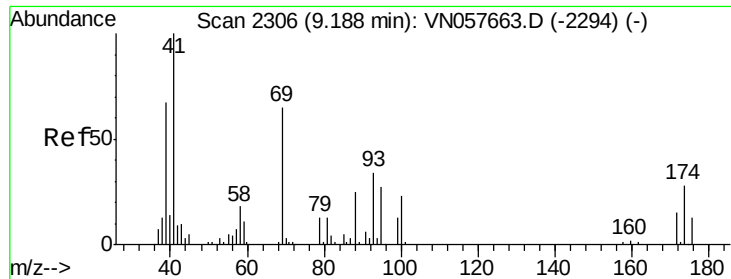
MMDadoda
9/5/2019 3:21:30 PM



#44
Isopropyl Acetate
Concen: 20.265 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN057671.D
Acq: 3 Sep 2019 18:57

Tgt Ion: 43 Resp: 209537
Ion Ratio Lower Upper
43 100
61 16.3 12.6 18.8





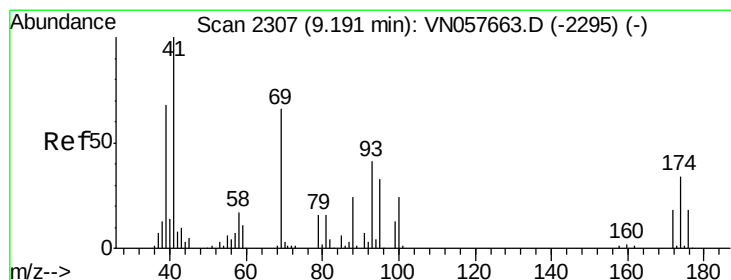
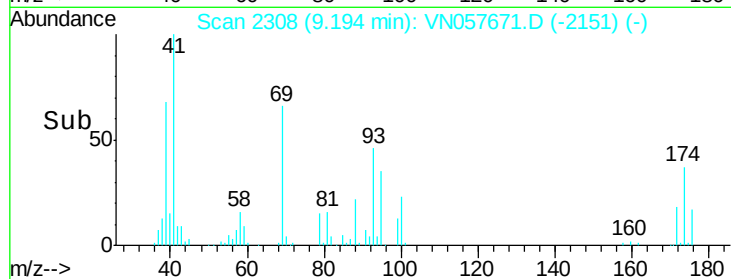
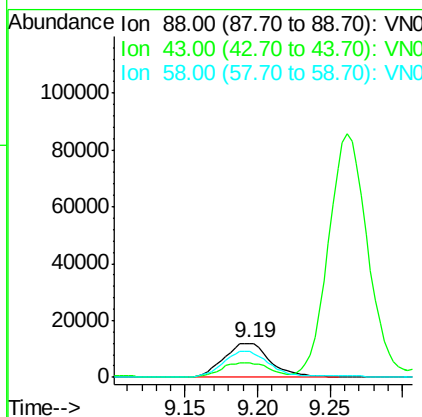
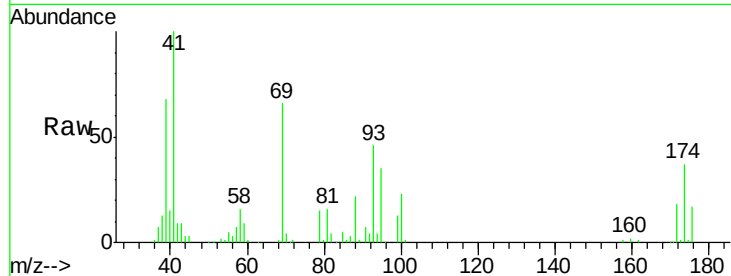
#45
1,4-Dioxane
Concen: 405.313 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.01 min
Lab File: VN057671.D
Acq: 3 Sep 2019 18:57

Instrument :
MSVOA_N
ClientSampleId :
VN0903WBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	26903		
43	41.3		31.0	46.4
58	75.3		58.2	87.2

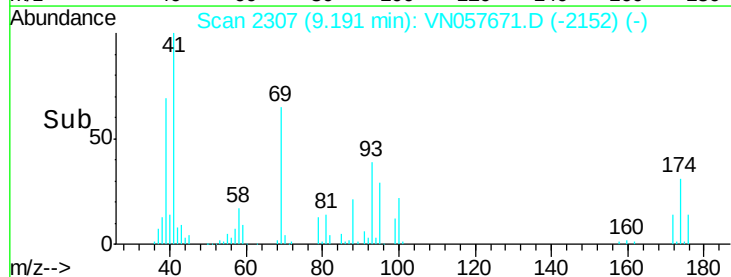
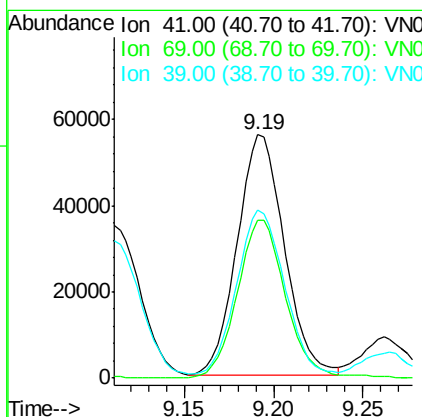
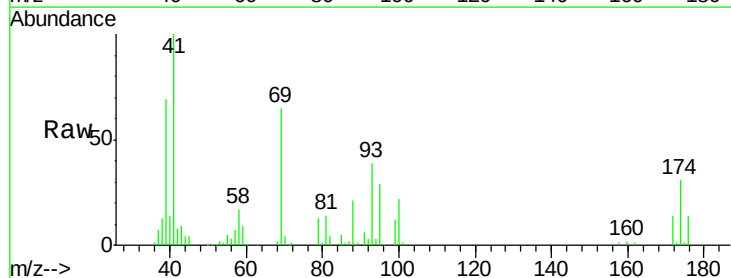
Manual Integrations
APPROVED

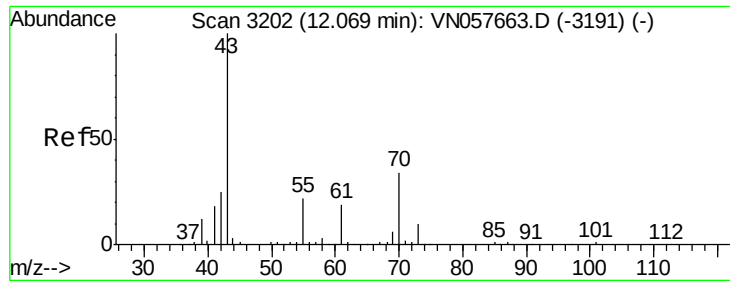
MMDadoda
9/5/2019 3:21:30 PM



#46
Methyl methacrylate
Concen: 20.582 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN057671.D
Acq: 3 Sep 2019 18:57

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	103266		
69	65.4		33.1	99.2
39	68.1		34.0	102.0





#47

n-amvl Acetate

Concen: 19.020 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN057671.D

Acq: 3 Sep 2019 18:57

Instrument :

MSVOA_N

ClientSampled :

VN0903WBS01

Tot Ion: 43 Resp: 152518

Ion Ratio Lower Upper

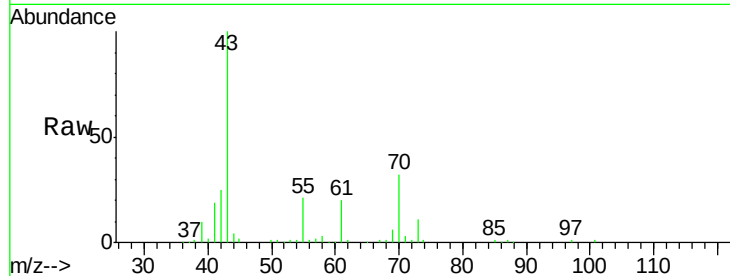
43 100

55 21.4 17.5 26.3

Manual Integrations
APPROVED

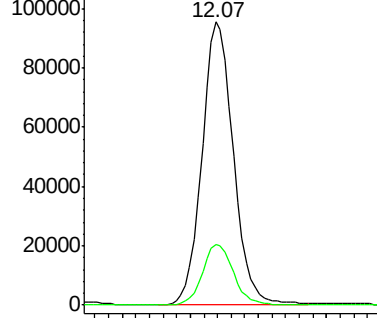
MMDadoda

9/5/2019 3:21:30 PM

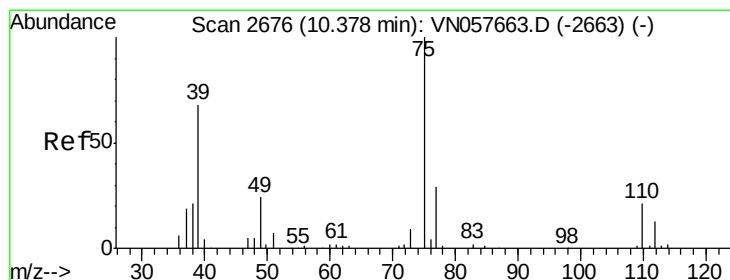
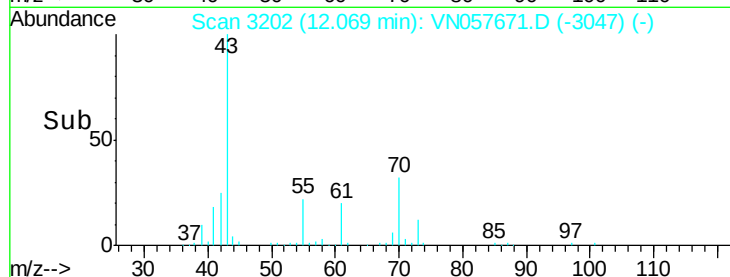


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#48

t-1,3-Dichloropropene

Concen: 18.693 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN057671.D

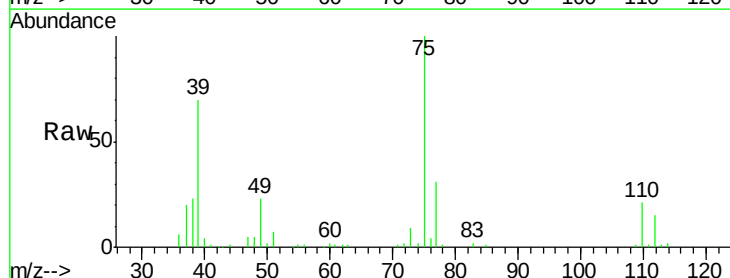
Acq: 3 Sep 2019 18:57

Tgt Ion: 75 Resp: 122695

Ion Ratio Lower Upper

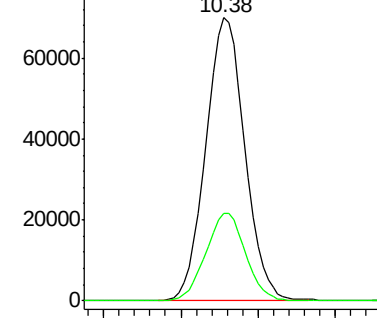
75 100

77 30.8 23.1 34.7

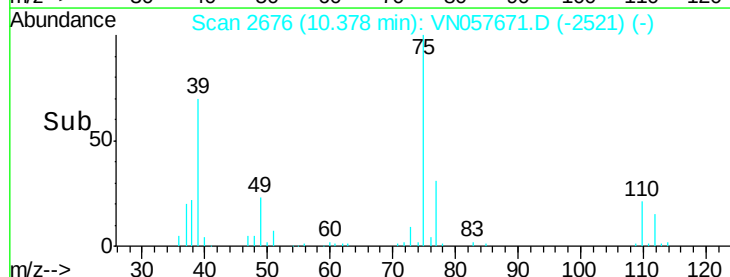


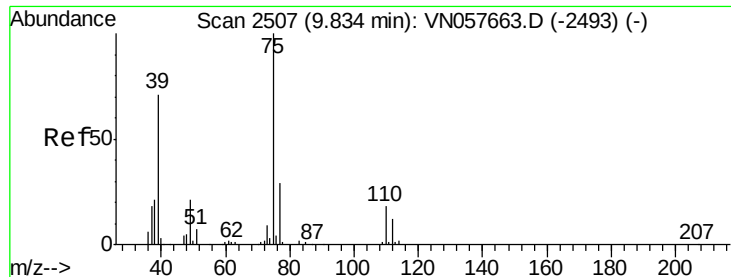
Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



Time-->





#49

cis-1,3-Dichloropropene

Concen: 19.472 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN057671.D

Acq: 3 Sep 2019 18:57

Instrument :

MSVOA_N

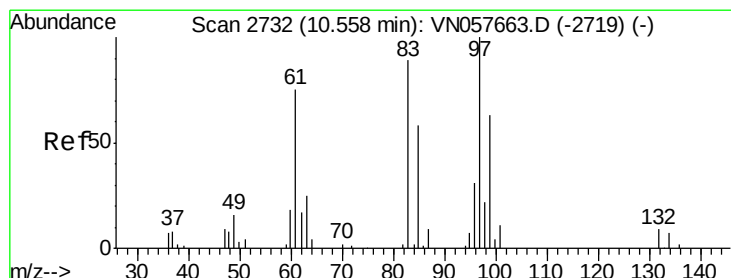
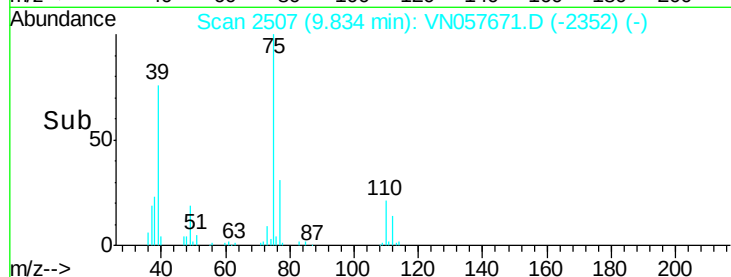
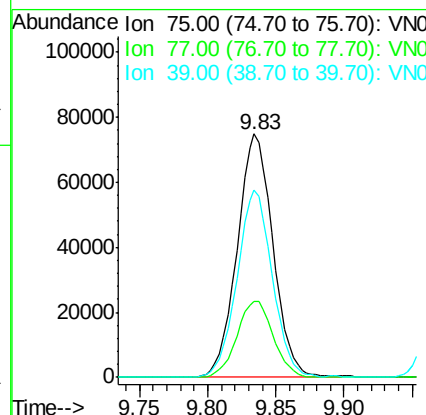
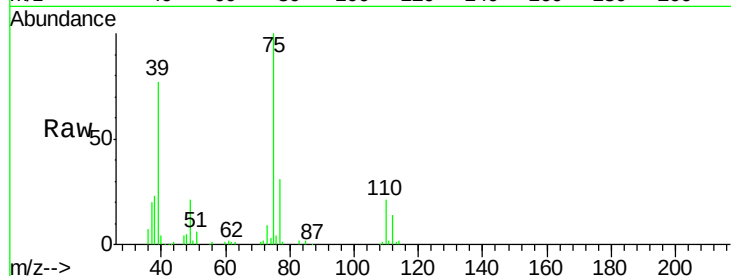
ClientSampled :

VN0903WBS01

Tot Ion:	75	Resp:	136357
Ion Ratio	Lower	Upper	
75	100		
77	31.3	23.4	35.2
39	76.3	56.6	85.0

Manual Integrations
APPROVED

MMDadoda
9/5/2019 3:21:30 PM



#50

1,1,2-Trichloroethane

Concen: 20.528 ug/l

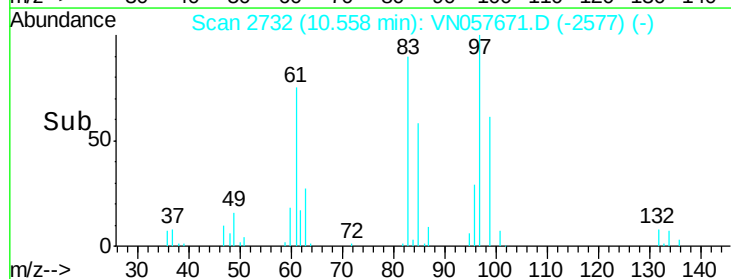
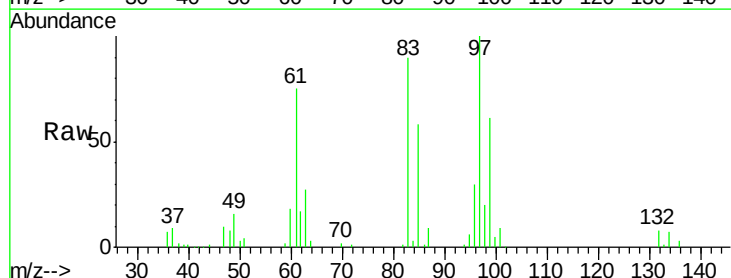
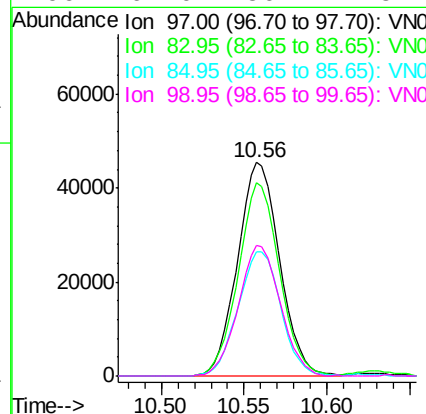
RT: 10.56 min Scan# 2732

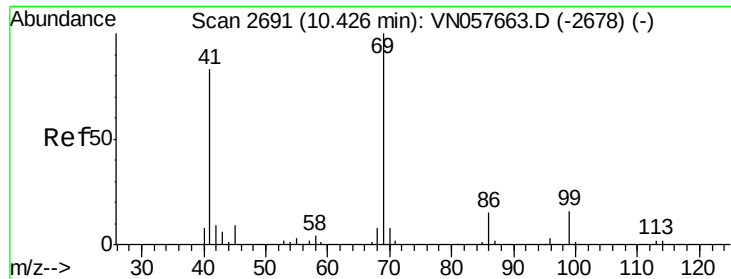
Delta R.T. -0.00 min

Lab File: VN057671.D

Acq: 3 Sep 2019 18:57

Tgt Ion:	97	Resp:	80150
Ion Ratio	Lower	Upper	
97	100		
83	90.2	71.4	107.2
85	58.0	46.0	69.0
99	61.0	50.2	75.2





#51

Ethyl methacrylate

Concen: 19.360 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN057671.D

Acq: 3 Sep 2019 18:57

Instrument :

MSVOA_N

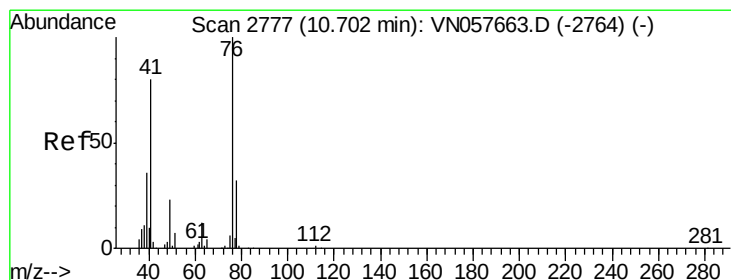
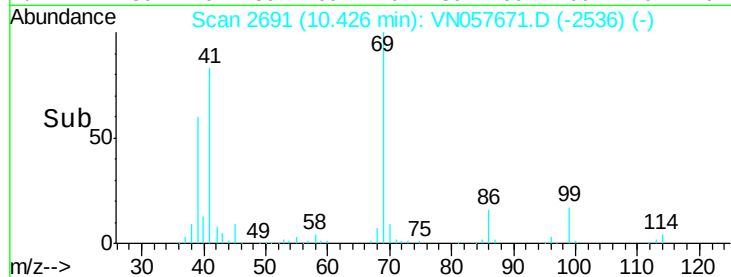
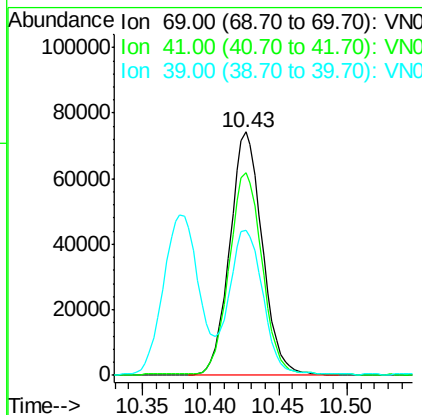
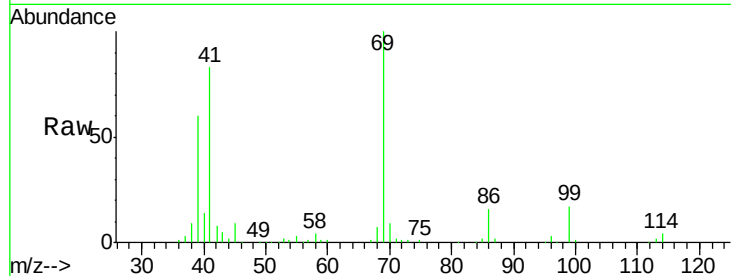
ClientSampled :

VN0903WBS01

Tot Ion:	69	Resp:	123225
Ion Ratio	Lower	Upper	
69	100		
41	82.7	41.5	124.5
39	59.0	29.6	88.9

Manual Integrations
APPROVED

MMDadoda
9/5/2019 3:21:30 PM



#52

1,3-Dichloropropane

Concen: 20.067 ug/l

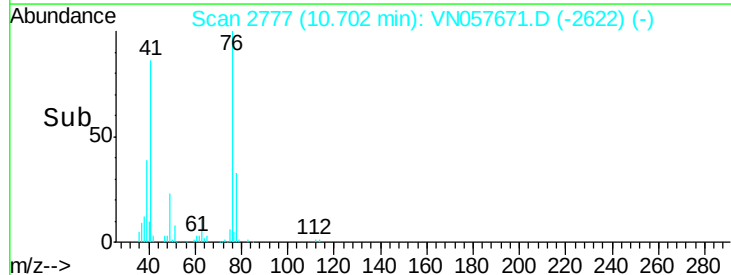
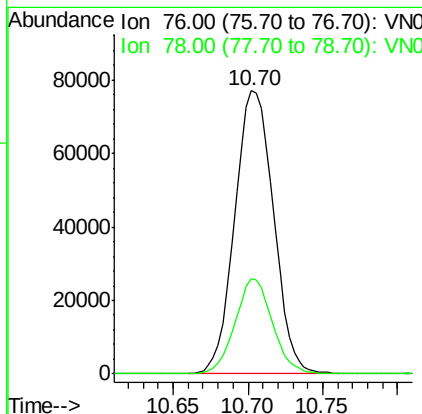
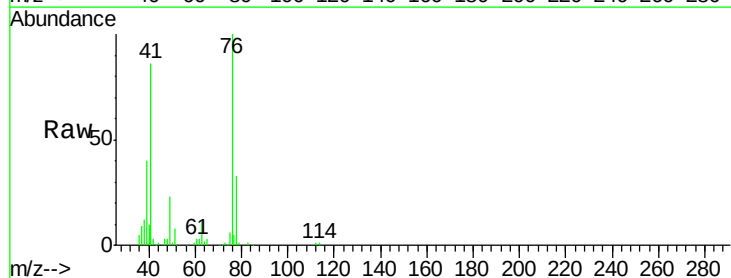
RT: 10.70 min Scan# 2777

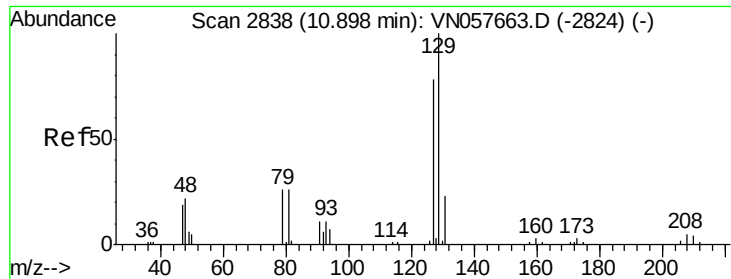
Delta R.T. -0.00 min

Lab File: VN057671.D

Acq: 3 Sep 2019 18:57

Tgt Ion:	76	Resp:	139457
Ion Ratio	Lower	Upper	
76	100		
78	32.2	0.0	63.8





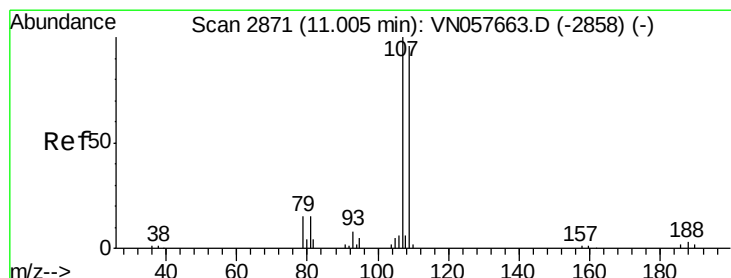
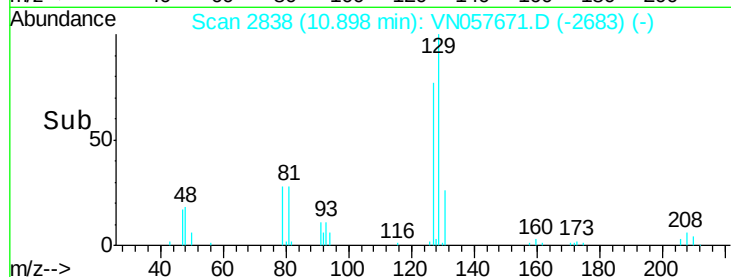
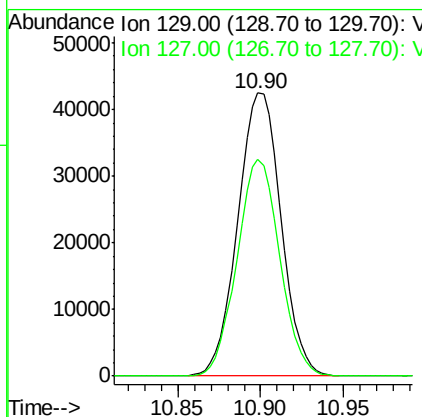
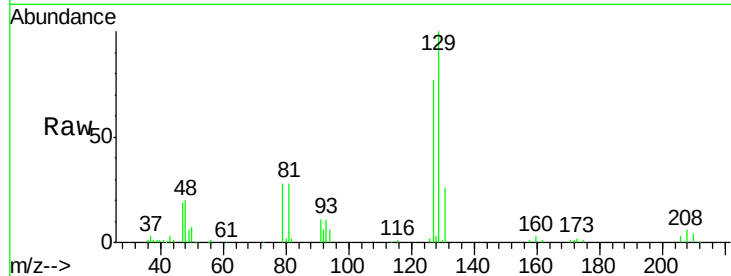
#53
Dibromochloromethane
Concen: 19.016 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN057671.D
Acq: 3 Sep 2019 18:57

Instrument :
MSVOA_N
ClientSampleId :
VN0903WBS01

Tot Ion:129 Resp: 77492
Ion Ratio Lower Upper
129 100
127 75.4 39.1 117.3

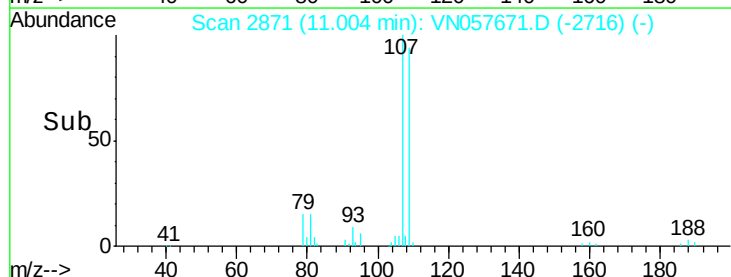
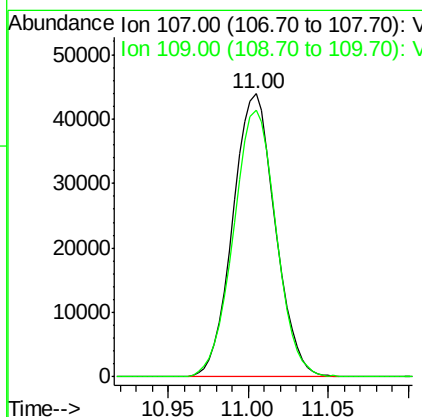
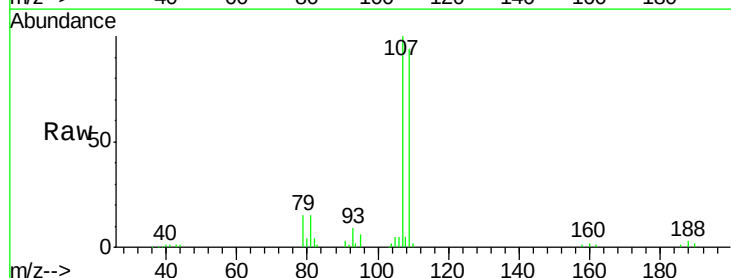
Manual Integrations
APPROVED

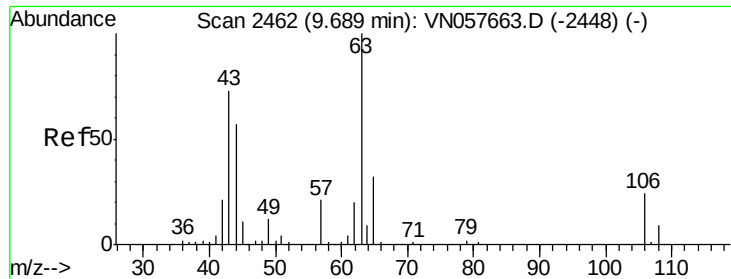
MMDadoda
9/5/2019 3:21:30 PM



#54
1,2-Dibromoethane
Concen: 20.320 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN057671.D
Acq: 3 Sep 2019 18:57

Tgt Ion:107 Resp: 79312
Ion Ratio Lower Upper
107 100
109 94.7 76.2 114.4





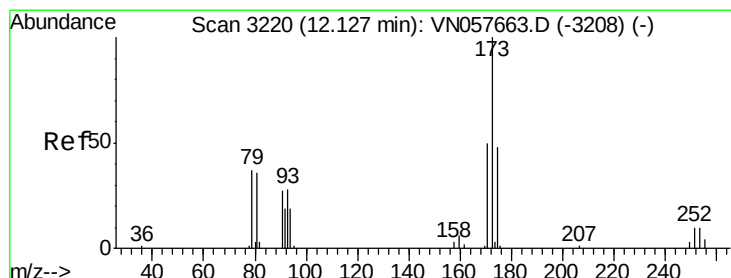
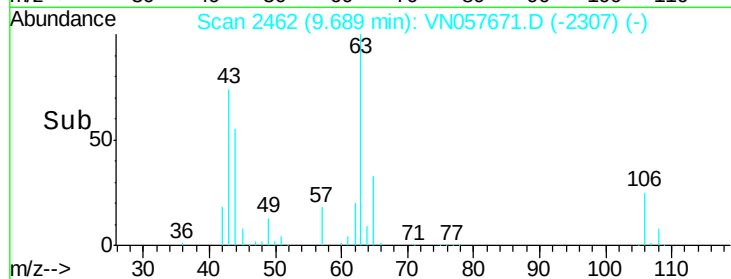
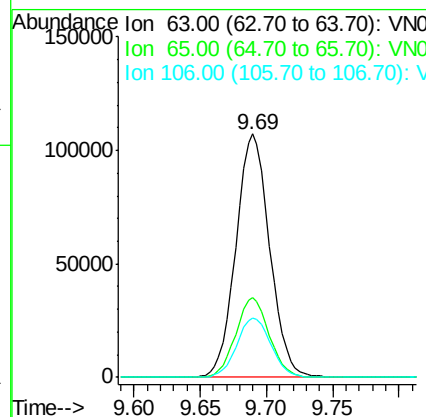
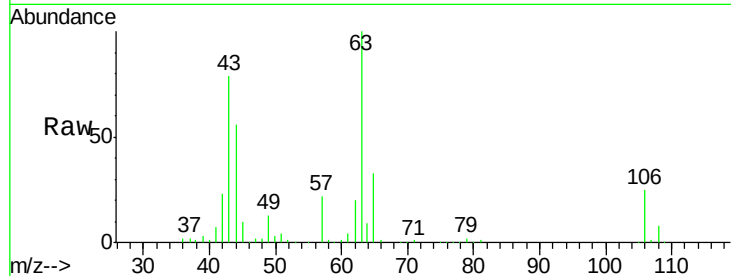
#55
2-Chloroethyl vinyl ether
Concen: 94.205 ug/l
RT: 9.69 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VN057671.D
Acq: 3 Sep 2019 18:57

Instrument :
MSVOA_N
ClientSampleId :
VN0903WBS01

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
65	32.4	25.6	38.4	
106	24.8	19.5	29.3	

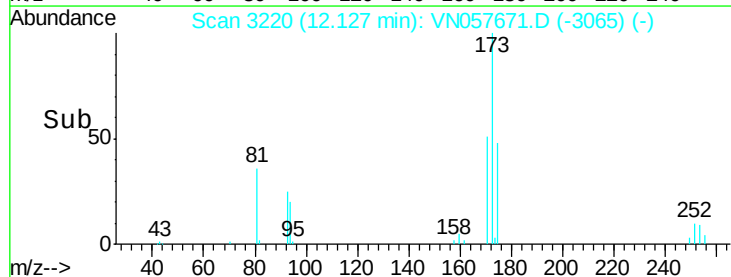
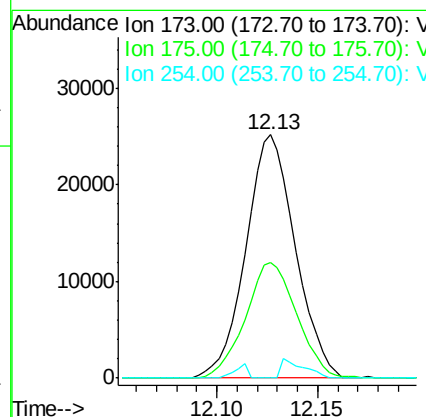
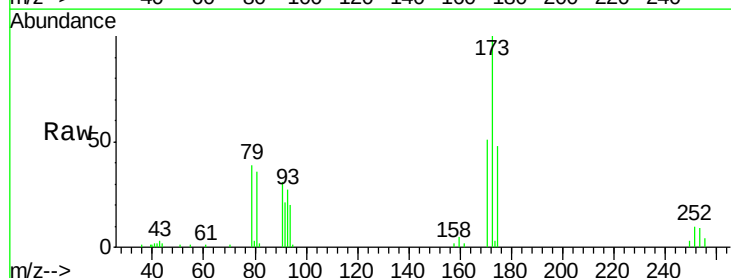
Manual Integrations
APPROVED

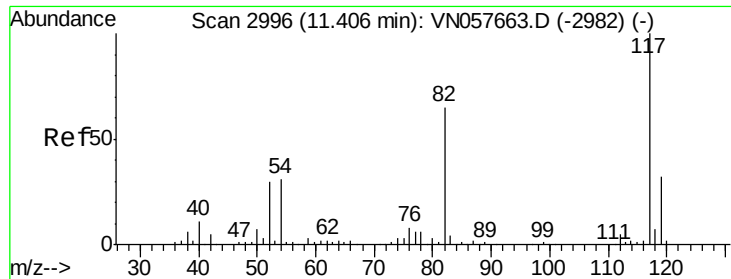
MMDadoda
9/5/2019 3:21:30 PM



#56
Bromoform
Concen: 17.055 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN057671.D
Acq: 3 Sep 2019 18:57

Tgt Ion	Ratio	Resp	Lower	Upper
173	100			
175	49.1	38.8	58.2	
254	3.6	7.2	10.8	





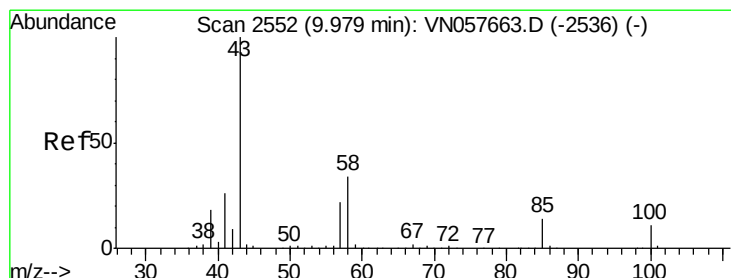
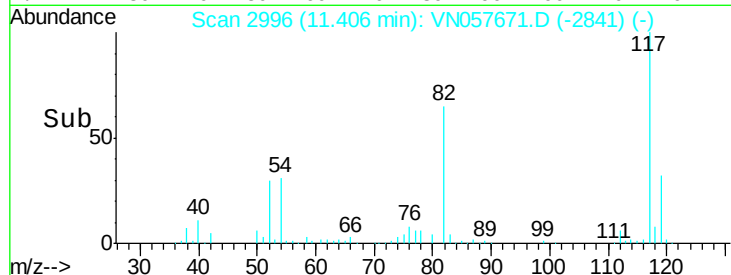
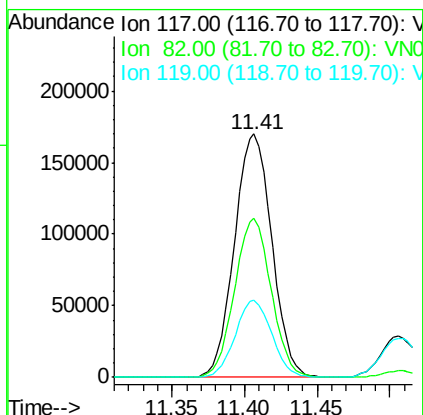
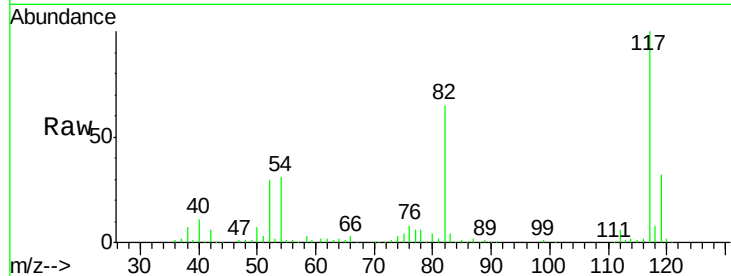
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN057671.D
Acq: 3 Sep 2019 18:57

Instrument :
MSVOA_N
ClientSampled :
VN0903WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.0	51.2	76.8
119	30.9	25.8	38.6

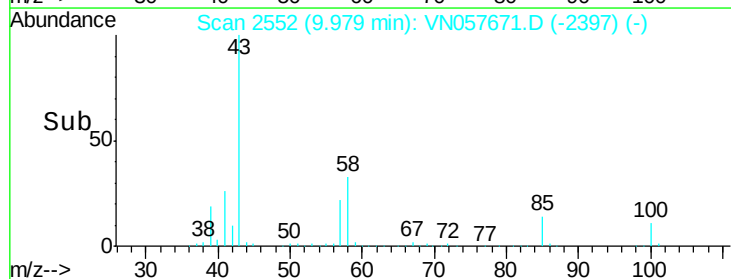
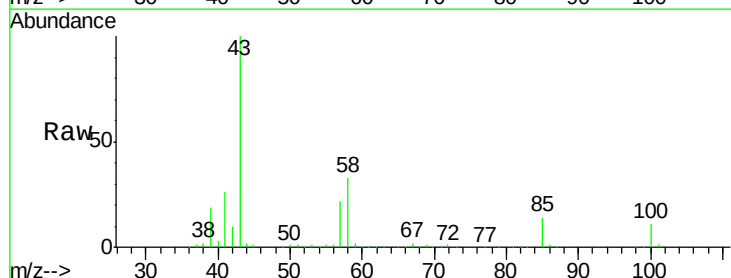
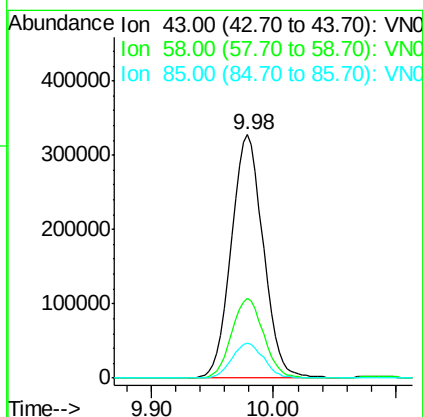
Manual Integrations
APPROVED

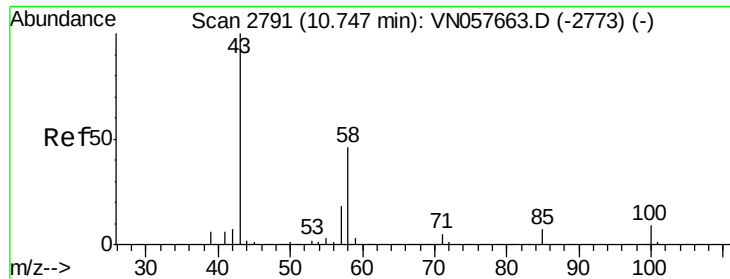
MMDadoda
9/5/2019 3:21:30 PM



#58
4-Methyl-2-Pentanone
Concen: 110.347 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN057671.D
Acq: 3 Sep 2019 18:57

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.0	26.7	40.1
85	14.5	11.2	16.8





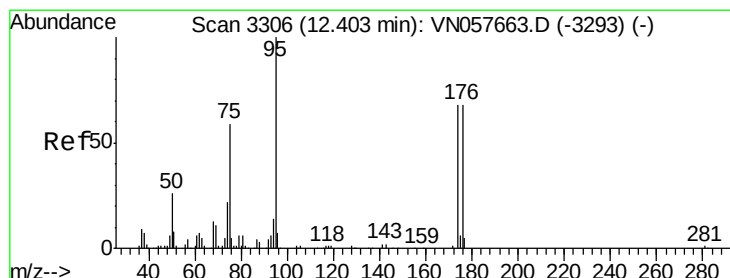
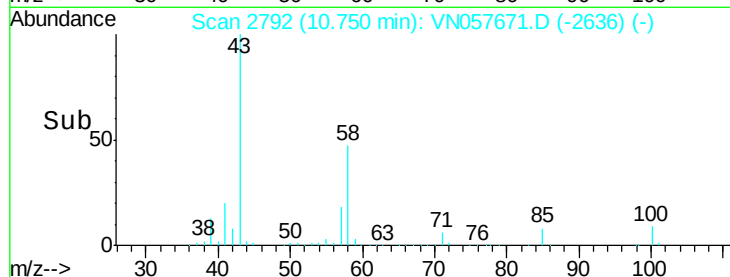
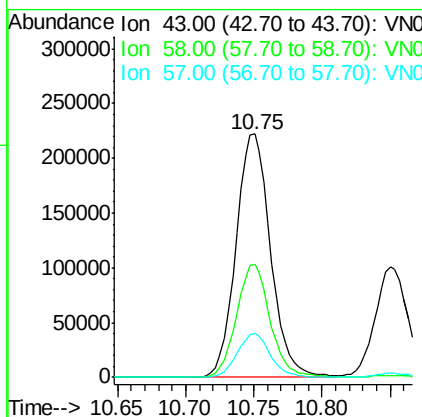
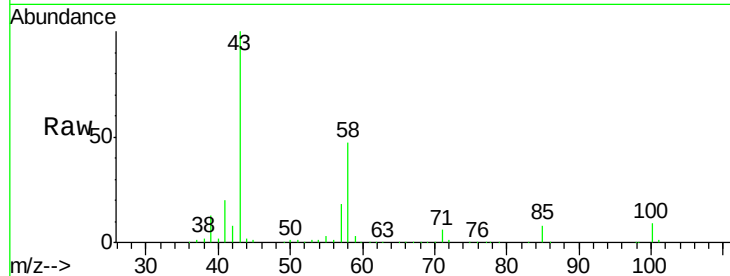
#59
2-Hexanone
Concen: 102.214 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057671.D
Acq: 3 Sep 2019 18:57

Instrument :
MSVOA_N
ClientSampleId :
VN0903WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	45.5	36.1	54.1
57	17.3	14.1	21.1

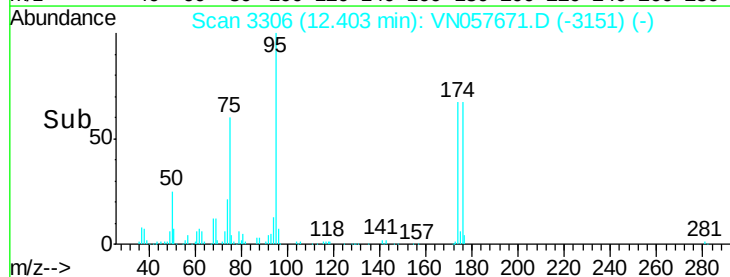
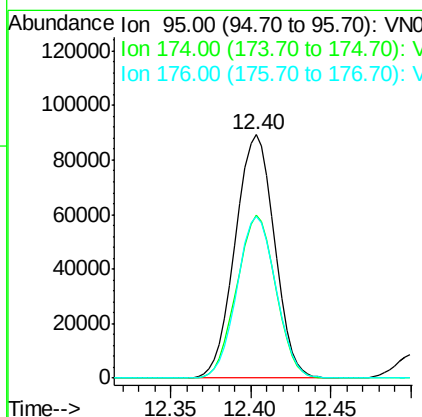
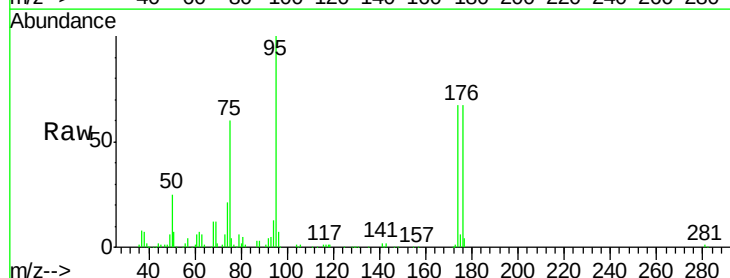
Manual Integrations
APPROVED

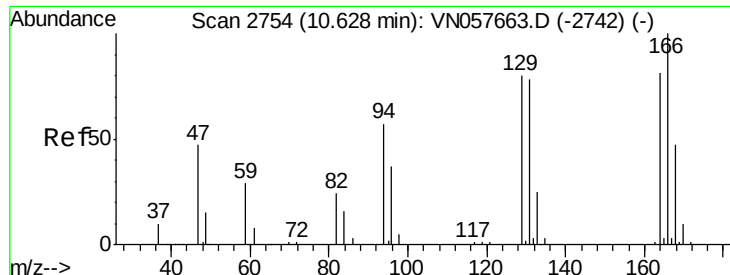
MMDadoda
9/5/2019 3:21:30 PM



#60
4-Bromofluorobenzene
Concen: 28.737 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN057671.D
Acq: 3 Sep 2019 18:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	66.4	55.0	82.6
176	65.7	53.7	80.5





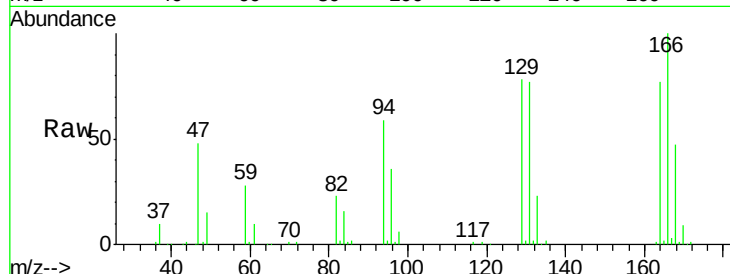
#61
Tetrachloroethene
Concen: 20.747 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN057671.D
Acq: 3 Sep 2019 18:57

Instrument :
MSVOA_N
ClientSampleId :
VN0903WBS01

Tot Ion	Ratio	Lower	Upper
164	100		
166	129.9	99.4	149.2
129	101.6	78.8	118.2
131	99.8	78.2	117.2

Manual Integrations
APPROVED

MMDadoda
9/5/2019 3:21:30 PM



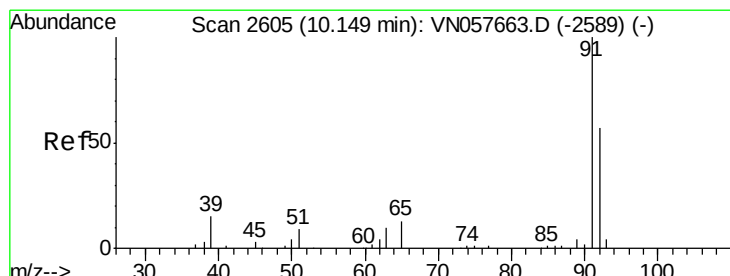
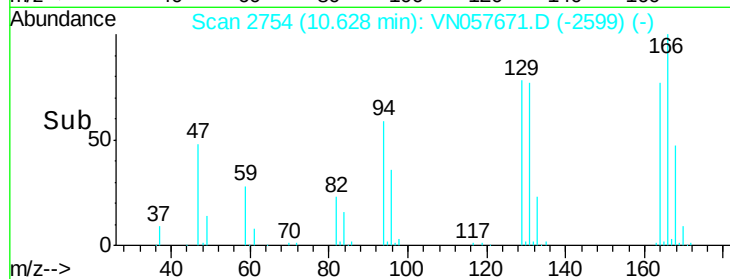
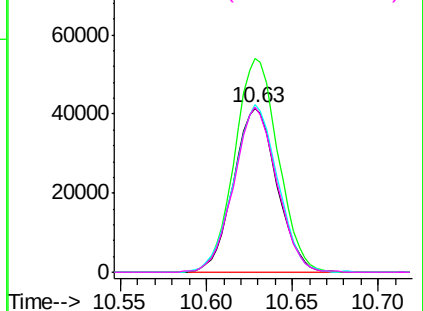
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

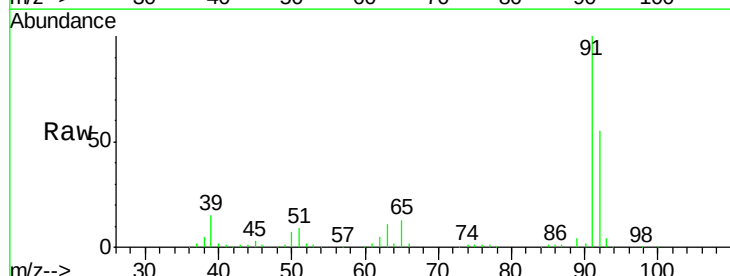
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62
Toluene
Concen: 21.197 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. -0.00 min
Lab File: VN057671.D
Acq: 3 Sep 2019 18:57

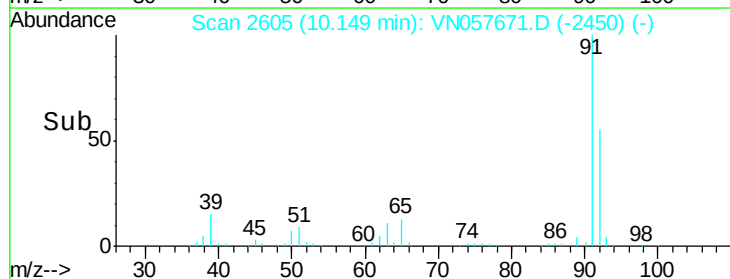
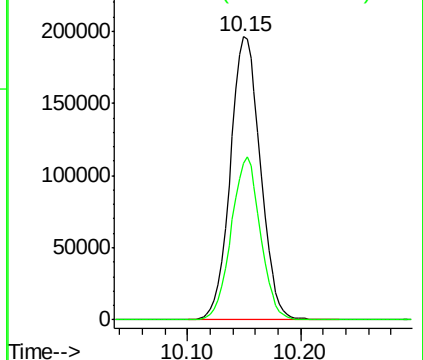
Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.9	46.1	69.1

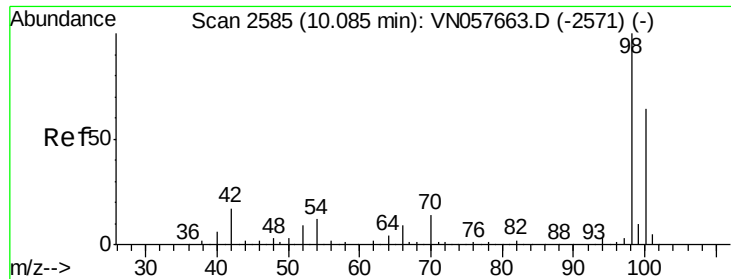


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





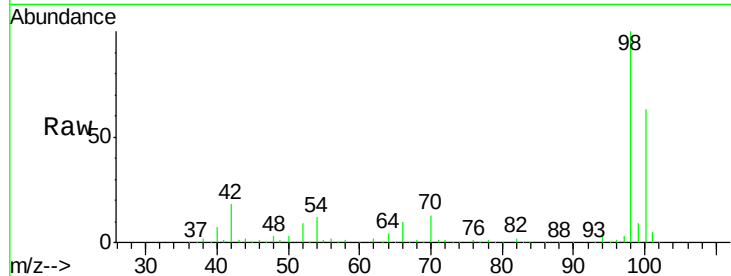
#63
Toluene-d8
Concen: 30.627 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057671.D
Acq: 3 Sep 2019 18:57

Instrument :
MSVOA_N
ClientSampled :
VN0903WBS01

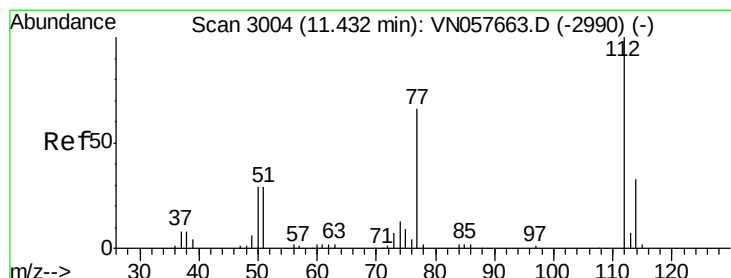
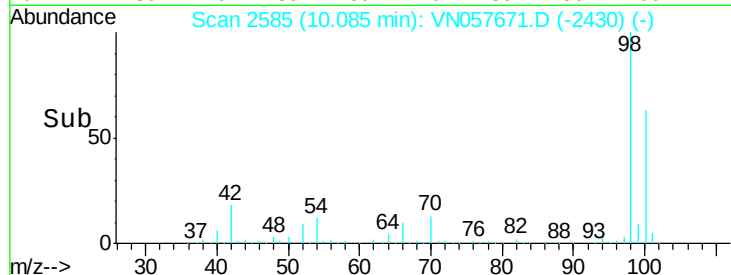
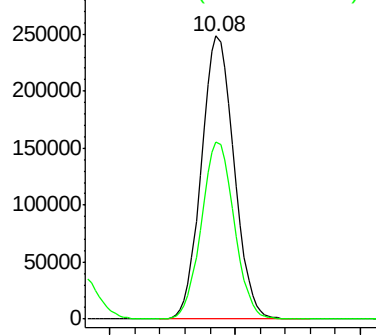
Tot Ion: 98 Resp: 449822
Ion Ratio Lower Upper
98 100
100 62.9 51.0 76.6

Manual Integrations
APPROVED

MMDadoda
9/5/2019 3:21:30 PM

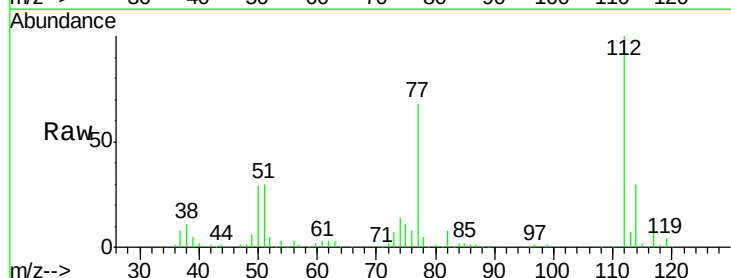


Abundance Ion 98.00 (97.70 to 98.70): VN057663.D (-2571) (-)
Ion 100.00 (99.70 to 100.70): VN057671.D (-2430) (-)

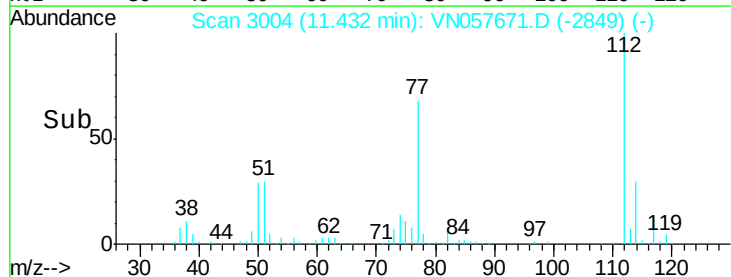
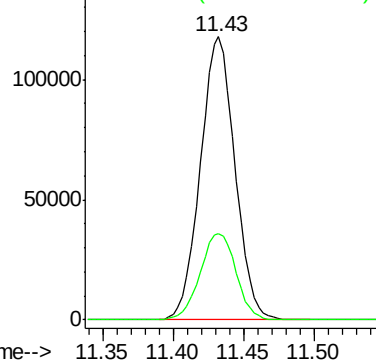


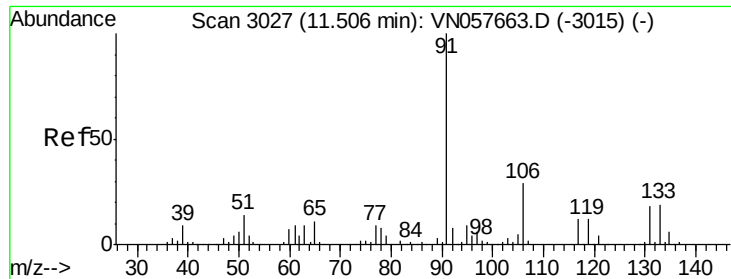
#64
Chlorobenzene
Concen: 20.076 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN057671.D
Acq: 3 Sep 2019 18:57

Tgt Ion: 112 Resp: 201875
Ion Ratio Lower Upper
112 100
114 30.4 26.2 39.4



Abundance Ion 112.00 (111.70 to 112.70): VN057663.D (-2990) (-)
Ion 114.00 (113.70 to 114.70): VN057671.D (-2849) (-)





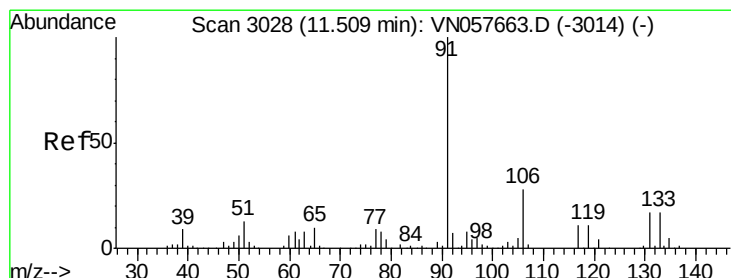
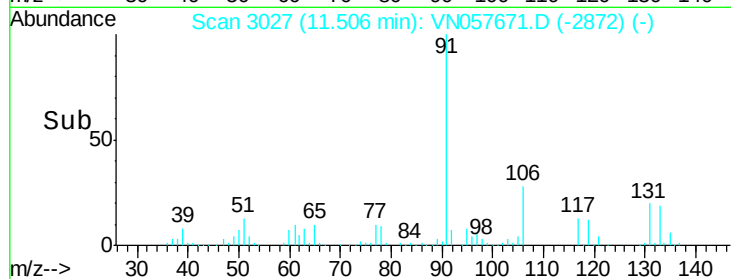
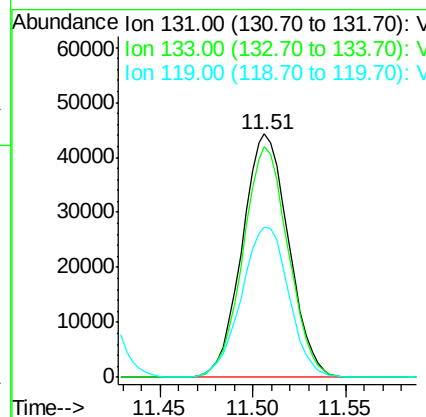
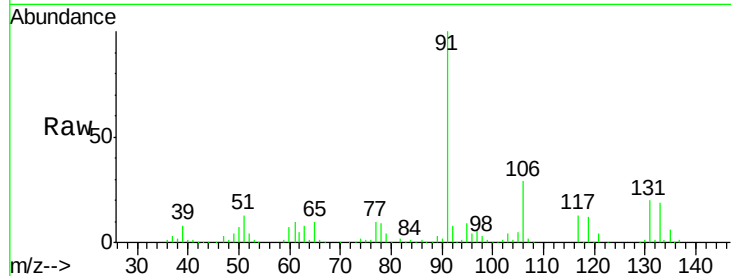
#65
 1,1,1,2-Tetrachloroethane
 Concen: 20.872 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. -0.00 min
 Lab File: VN057671.D
 Acq: 3 Sep 2019 18:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0903WBS01

Tot Ion	Ratio	Lower	Upper
131	100		
133	92.3	0.0	198.0
119	63.0	0.0	129.8

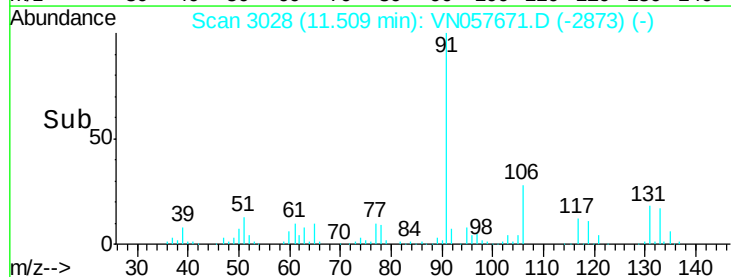
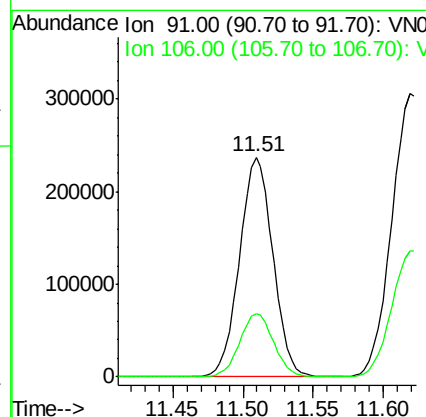
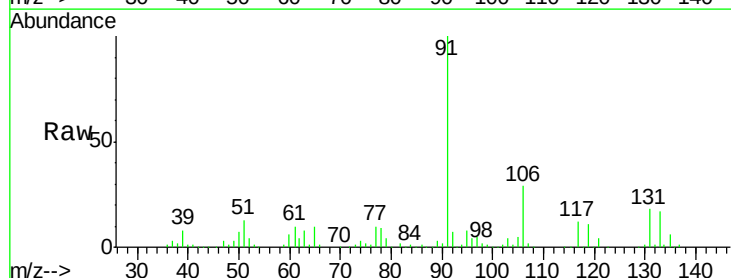
Manual Integrations
 APPROVED

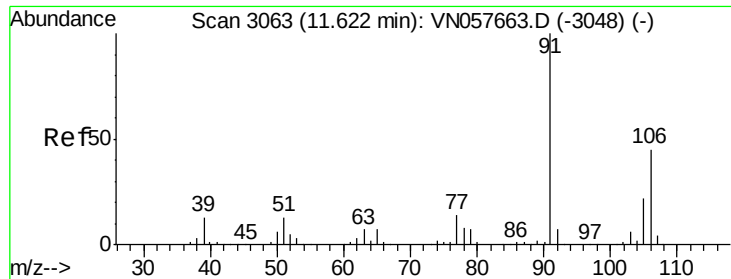
MMDadoda
 9/5/2019 3:21:30 PM



#66
 Ethyl Benzene
 Concen: 20.586 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN057671.D
 Acq: 3 Sep 2019 18:57

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.0	22.7	34.1





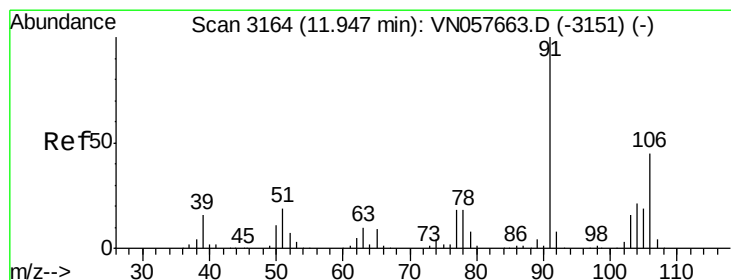
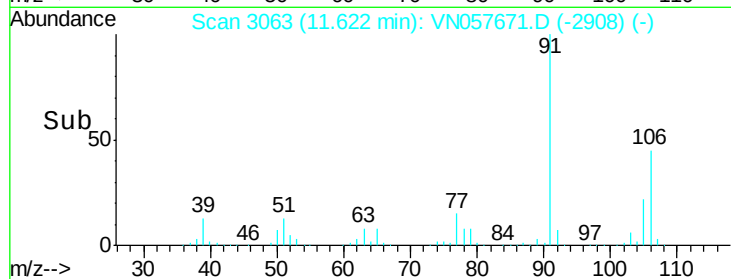
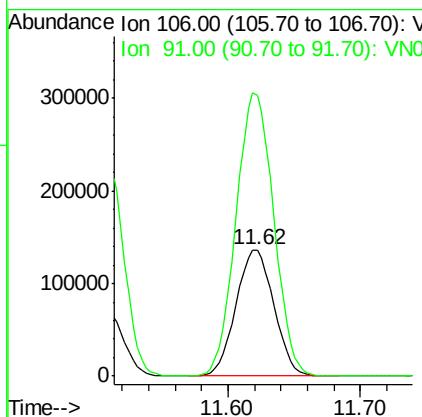
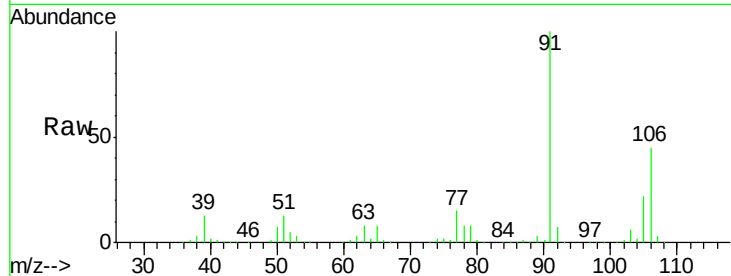
#67
m/p-Xylenes
Concen: 40.385 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN057671.D
Acq: 3 Sep 2019 18:57

Instrument :
MSVOA_N
ClientSampleId :
VN0903WBS01

Tot Ion:106 Resp: 271124
Ion Ratio Lower Upper
106 100
91 223.3 178.9 268.3

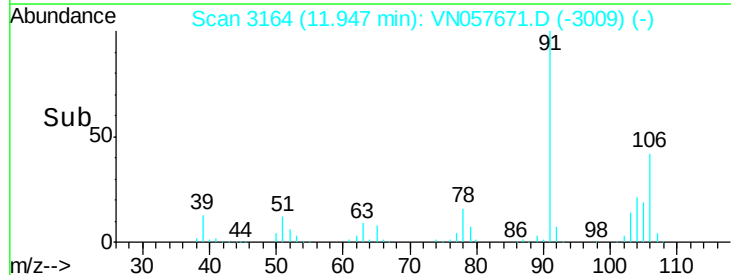
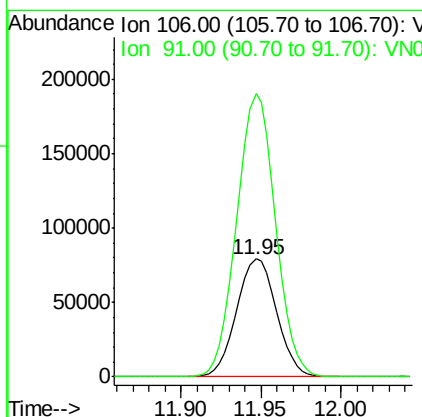
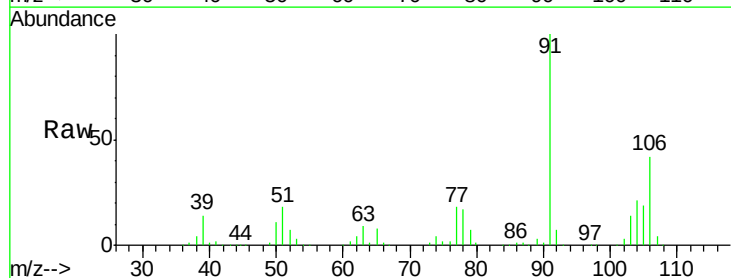
Manual Integrations
APPROVED

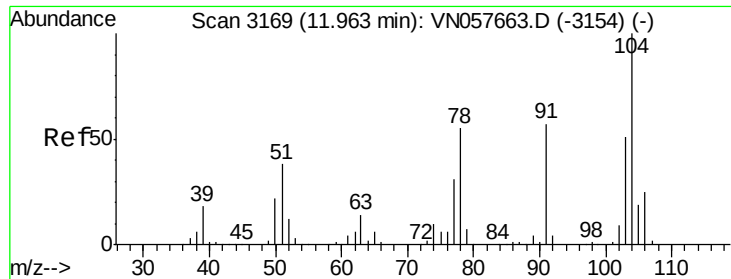
MMDadoda
9/5/2019 3:21:30 PM



#68
o-Xylene
Concen: 20.234 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057671.D
Acq: 3 Sep 2019 18:57

Tgt Ion:106 Resp: 135258
Ion Ratio Lower Upper
106 100
91 232.3 114.0 342.0





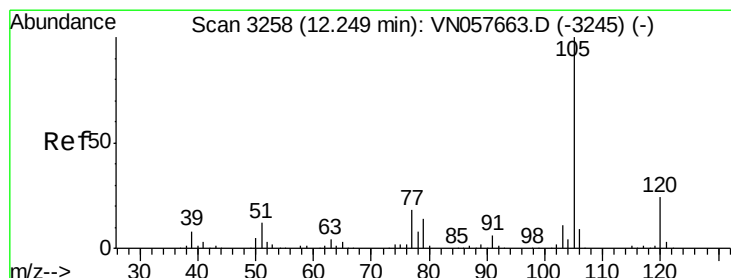
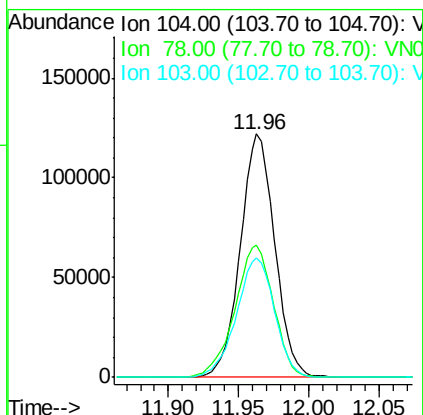
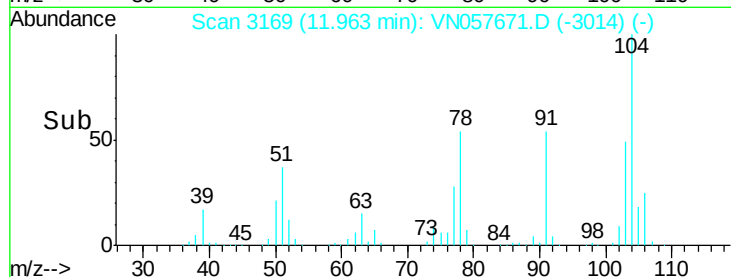
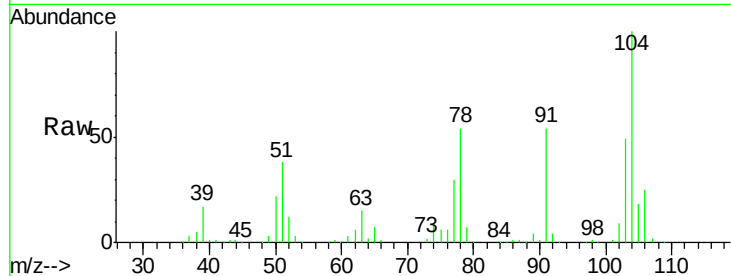
#69
Stvrene
Concen: 19.572 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057671.D
Acq: 3 Sep 2019 18:57

Instrument :
MSVOA_N
ClientSampleId :
VN0903WBS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	60.5	49.0	73.6
103	54.3	44.9	67.3

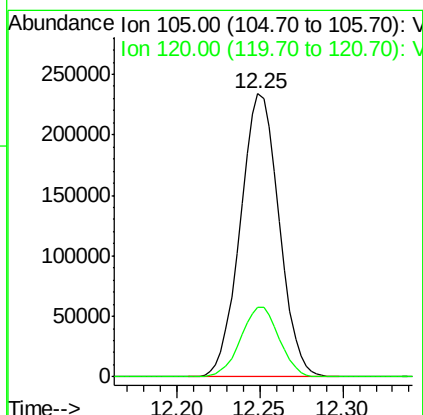
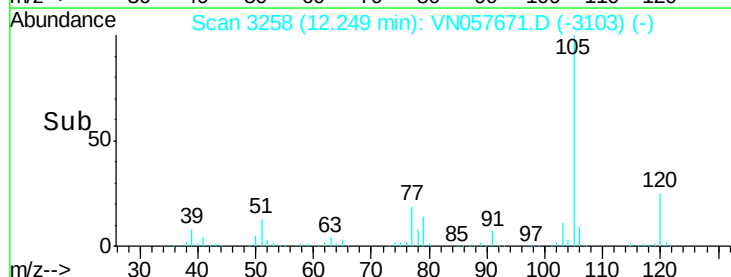
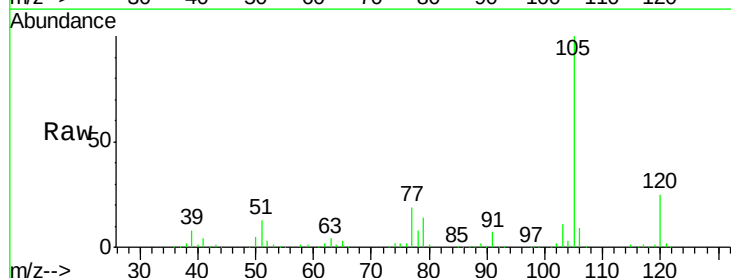
Manual Integrations
APPROVED

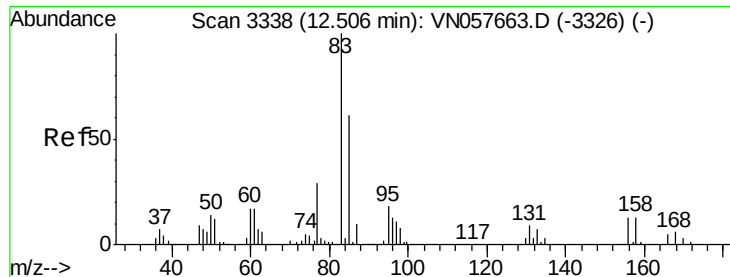
MMDadoda
9/5/2019 3:21:30 PM



#70
Isopropylbenzene
Concen: 20.685 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN057671.D
Acq: 3 Sep 2019 18:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.6	17.2	32.0





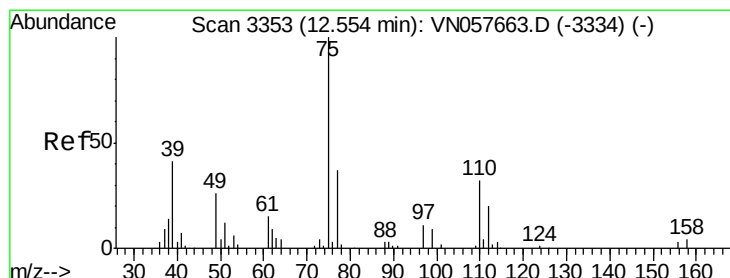
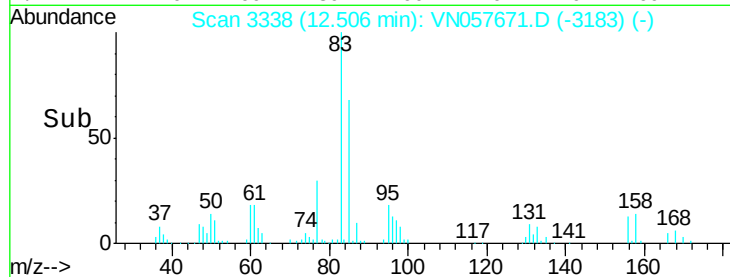
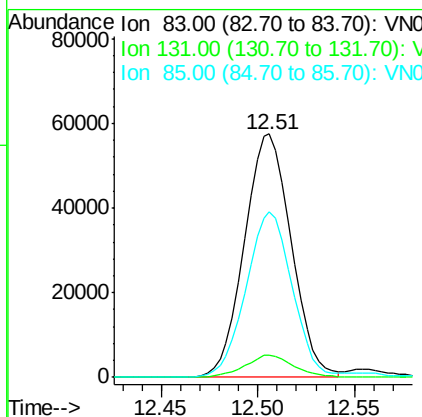
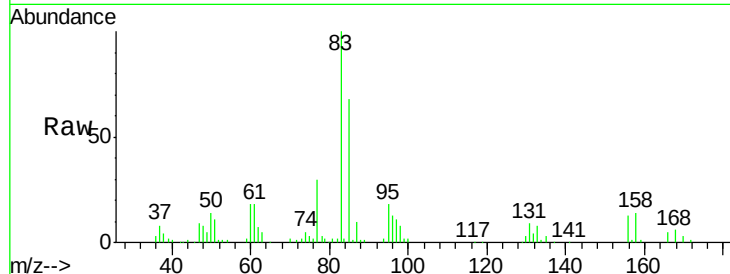
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.091 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. -0.00 min
 Lab File: VN057671.D
 Acq: 3 Sep 2019 18:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0903WBS01

Tot Ion	83	Resp	96928
Ion Ratio	100	Lower	Upper
83	100		
131	9.4	5.0	14.9
85	66.8	31.7	95.1

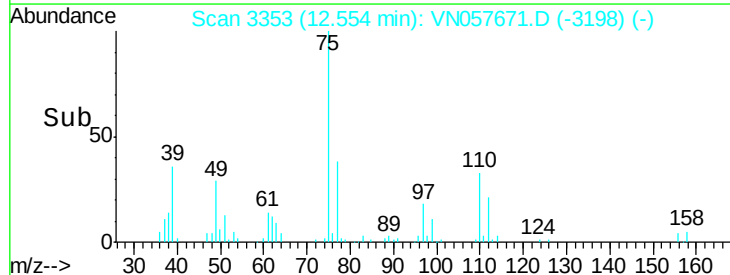
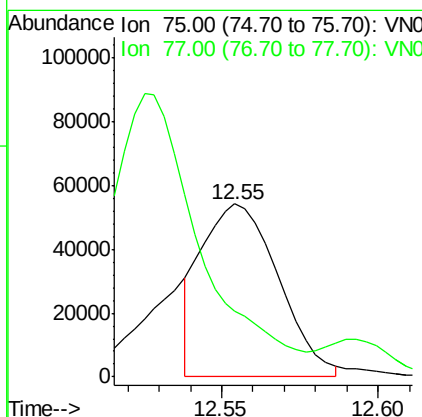
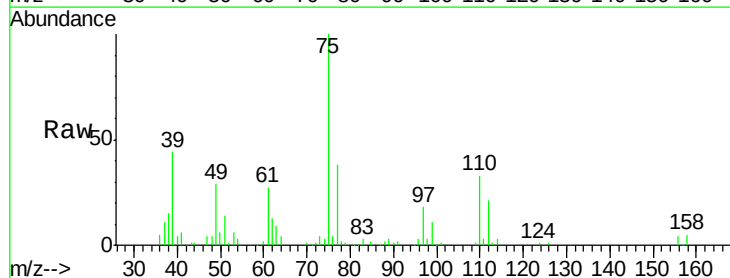
Manual Integrations
 APPROVED

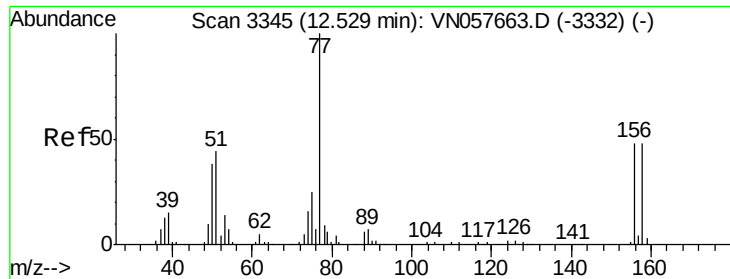
MMDadoda
 9/5/2019 3:21:30 PM



#72
 1,2,3-Trichloropropane
 Concen: 20.352 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN057671.D
 Acq: 3 Sep 2019 18:57

Tgt Ion	75	Resp	92342
Ion Ratio	100	Lower	Upper
75	100		
77	196.6	0.0	405.6





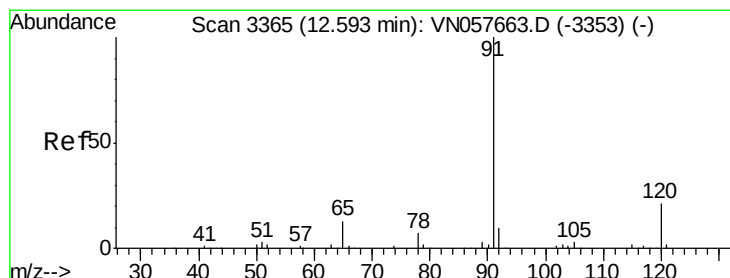
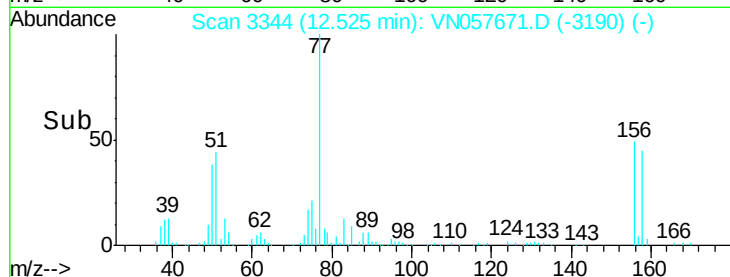
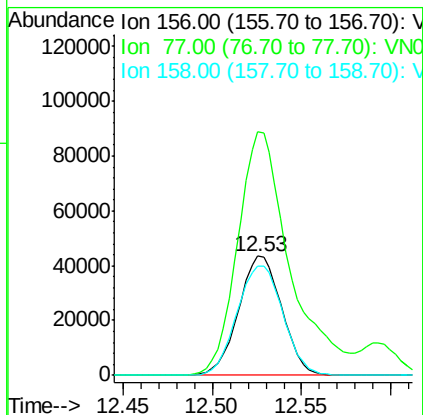
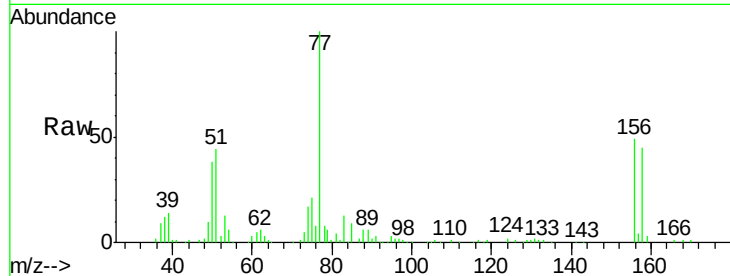
#73
Bromobenzene
Concen: 18.967 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN057671.D
Acq: 3 Sep 2019 18:57

Instrument :
MSVOA_N
ClientSampled :
VN0903WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		73699		
77	246.4	0.0	495.6		
158	97.9	0.0	197.8		

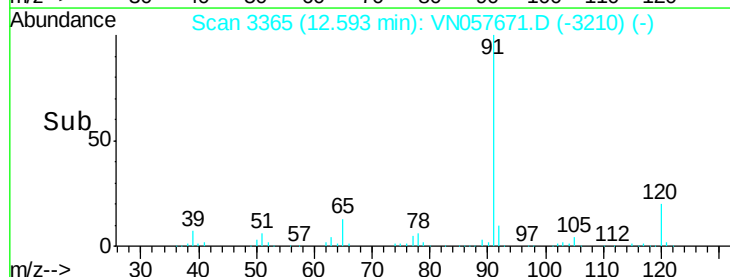
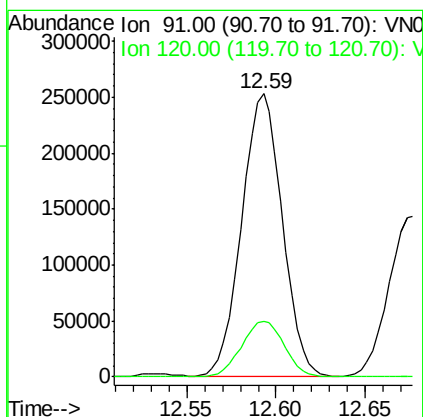
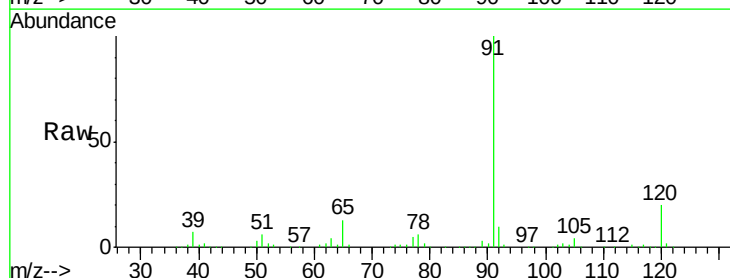
Manual Integrations
APPROVED

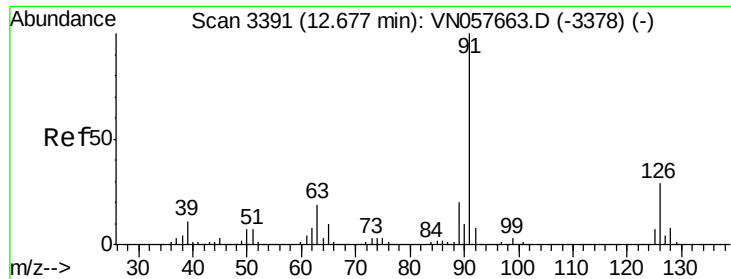
MMDadoda
9/5/2019 3:21:30 PM



#74
n-propylbenzene
Concen: 19.889 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. -0.00 min
Lab File: VN057671.D
Acq: 3 Sep 2019 18:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		403703		
120	20.6	0.0	40.4		





#75

2-Chlorotoluene

Concen: 19.325 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN057671.D

Acq: 3 Sep 2019 18:57

Instrument :

MSVOA_N

ClientSampled :

VN0903WBS01

Tot Ion: 91 Resp: 245562

Ion Ratio Lower Upper

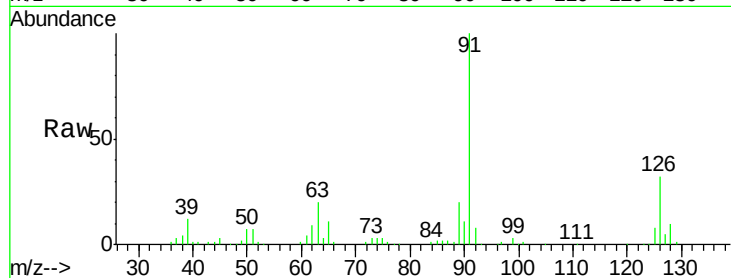
91 100

126 30.4 0.0 59.2

Manual Integrations
APPROVED

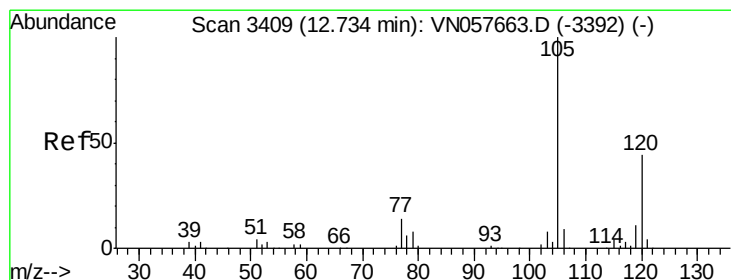
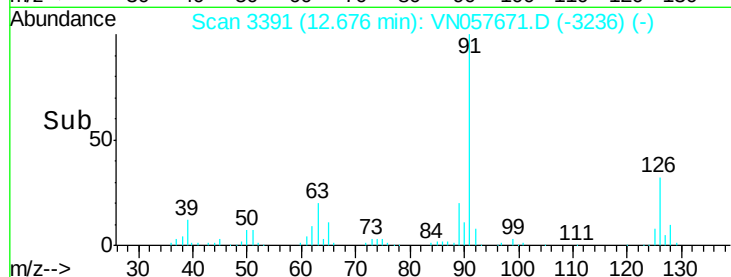
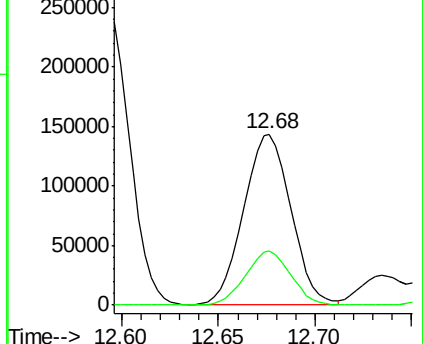
MMDadoda

9/5/2019 3:21:30 PM



Abundance Ion 91.00 (90.70 to 91.70): VN057663.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN057663.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.141 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN057671.D

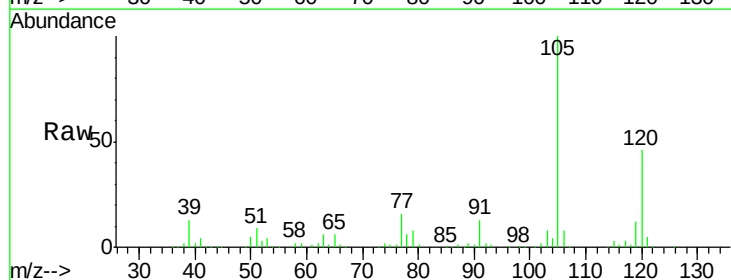
Acq: 3 Sep 2019 18:57

Tgt Ion: 105 Resp: 306582

Ion Ratio Lower Upper

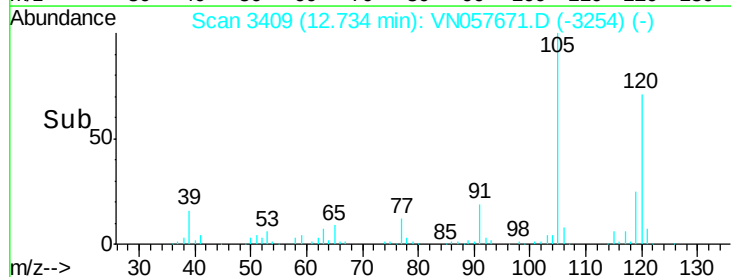
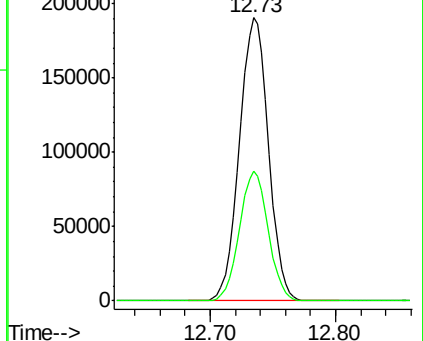
105 100

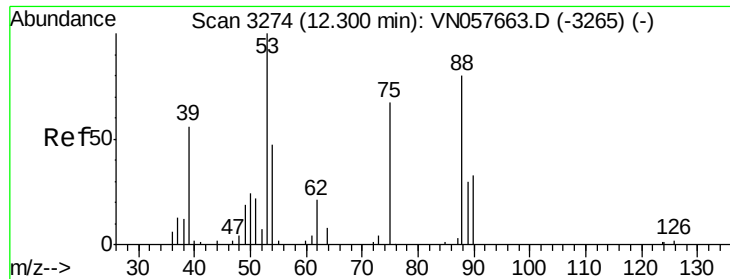
120 45.1 0.0 91.0



Abundance Ion 105.00 (104.70 to 105.70): VN057663.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN057663.D (-3392) (-)





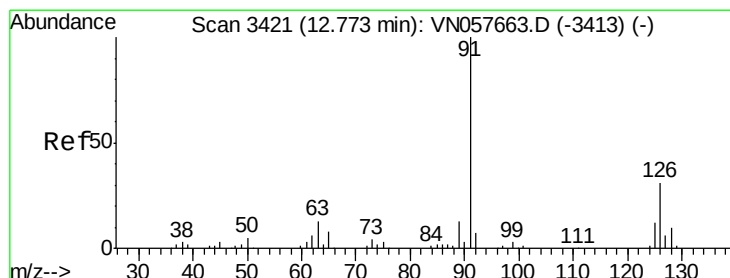
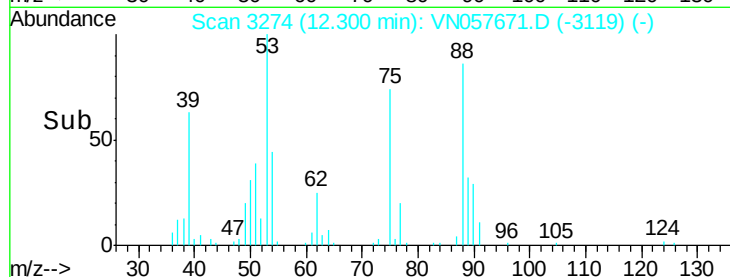
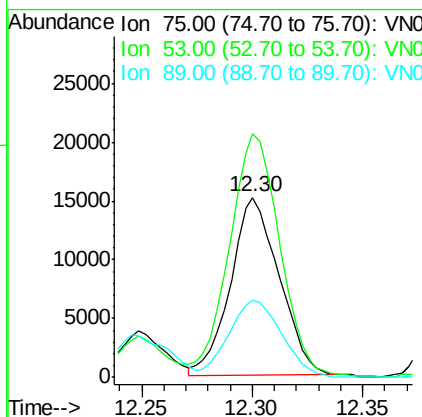
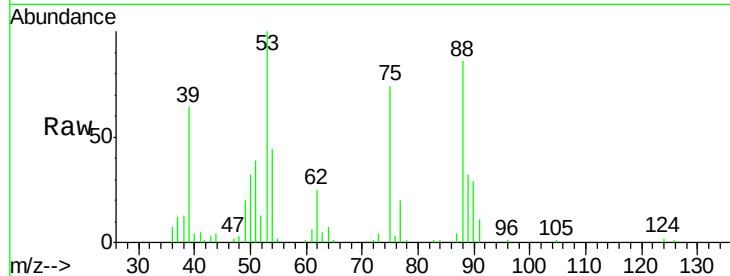
#77
t-1,4-Dichloro-2-butene
Concen: 16.765 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN057671.D
Acq: 3 Sep 2019 18:57

Instrument :
MSVOA_N
ClientSampleId :
VN0903WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	135.9	74.2	222.6
89	43.6	23.3	69.9

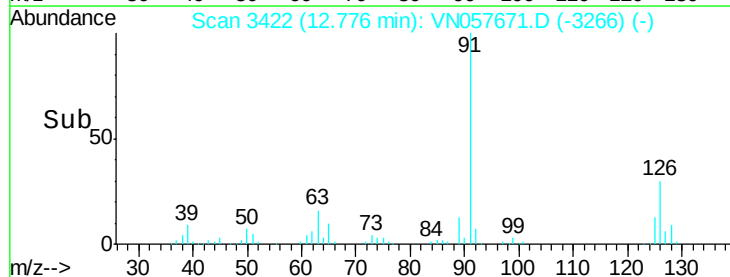
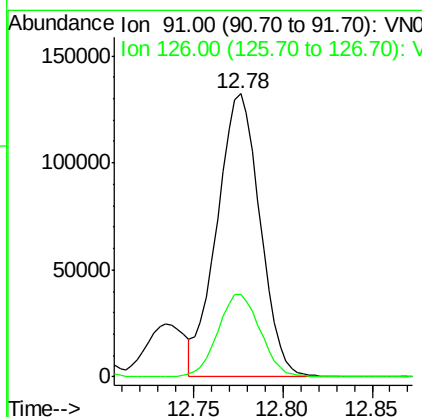
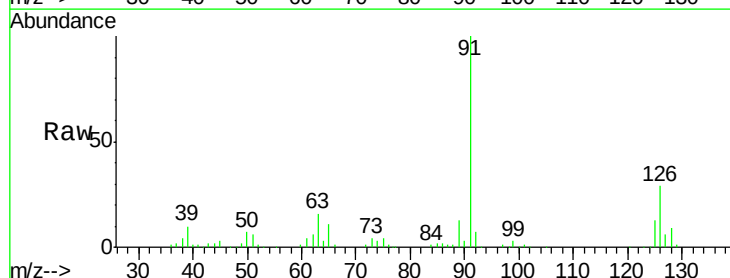
Manual Integrations
APPROVED

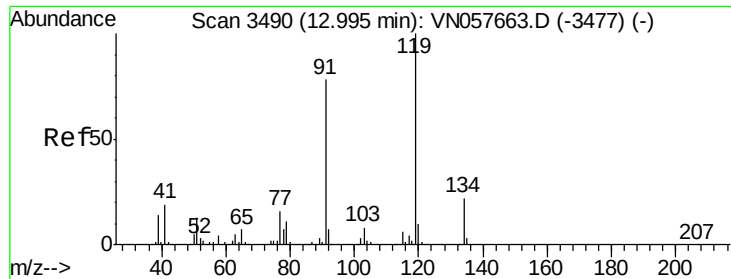
MMDadoda
9/5/2019 3:21:30 PM



#78
4-Chlorotoluene
Concen: 18.401 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN057671.D
Acq: 3 Sep 2019 18:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.8	0.0	57.8





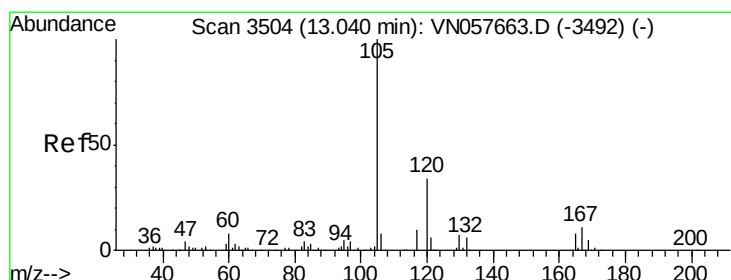
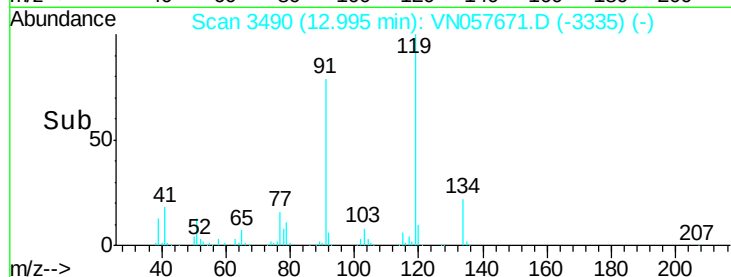
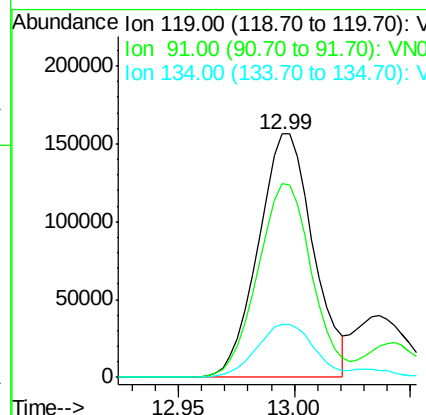
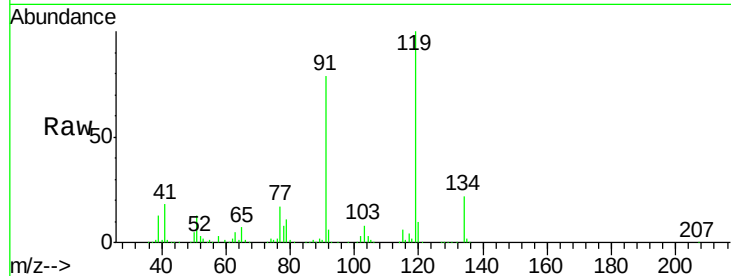
#79
tert-butylbenzene
Concen: 19.798 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN057671.D
Acq: 3 Sep 2019 18:57

Instrument :
MSVOA_N
ClientSampleId :
VN0903WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	258822		
91	78.4	0.0	155.6	
134	22.9	0.0	48.2	

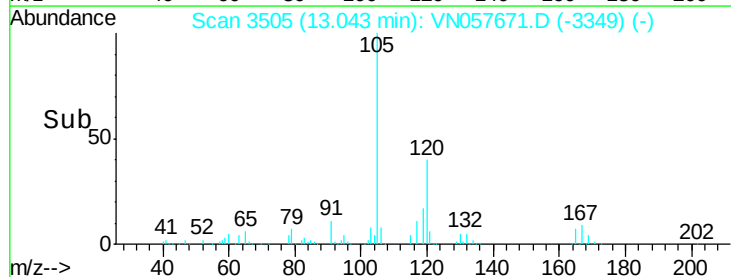
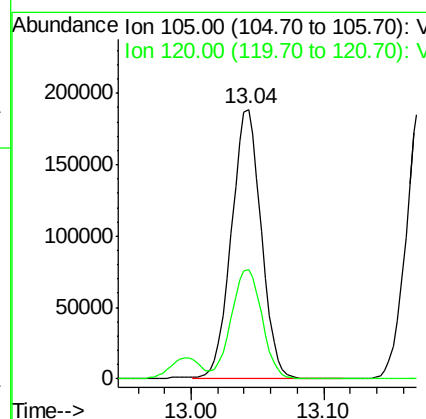
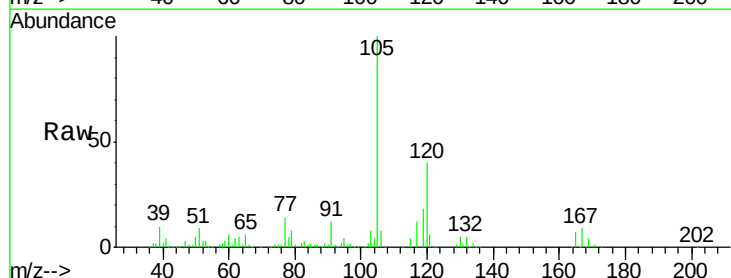
Manual Integrations
APPROVED

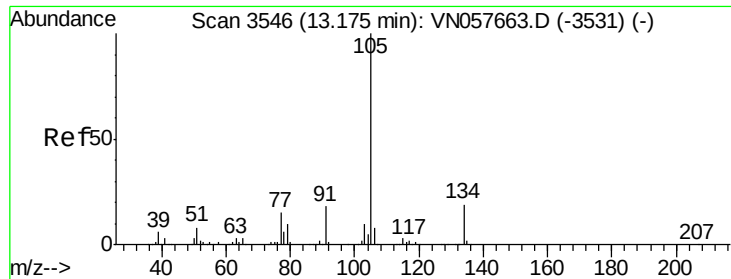
MMDadoda
9/5/2019 3:21:30 PM



#80
1,2,4-Trimethylbenzene
Concen: 20.607 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN057671.D
Acq: 3 Sep 2019 18:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	294727		
120	41.8	0.0	83.4	





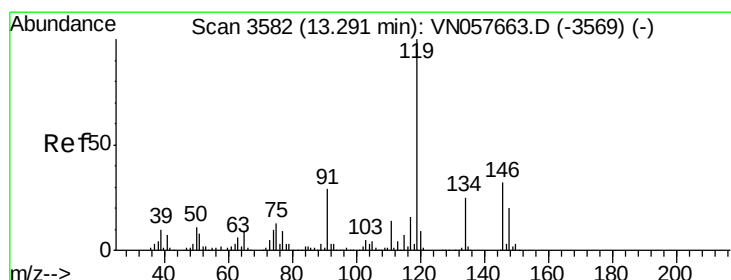
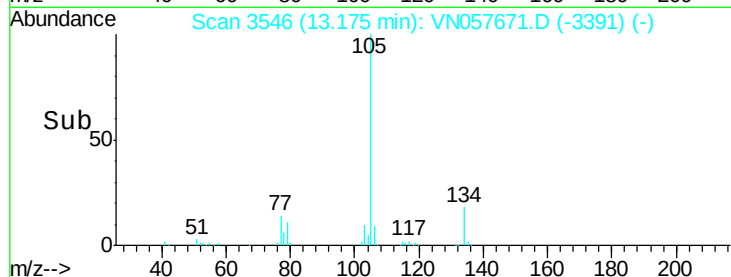
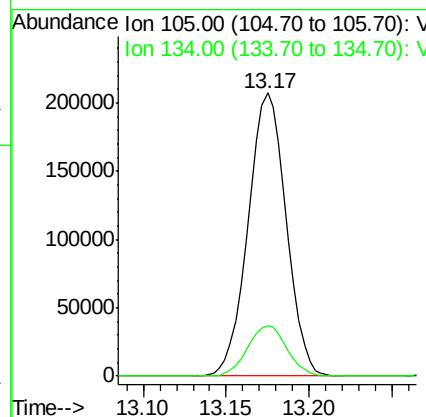
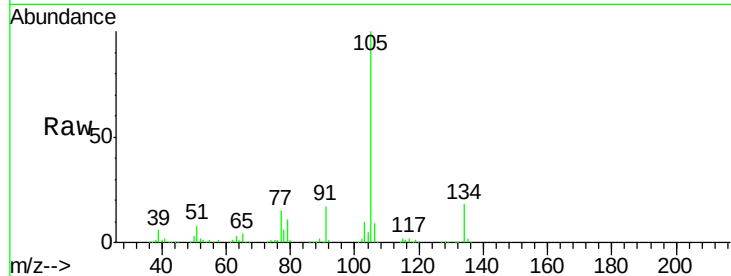
#81
 sec-Butylbenzene
 Concen: 19.617 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. -0.00 min
 Lab File: VN057671.D
 Acq: 3 Sep 2019 18:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0903WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	330491		
134	18.4	0.0	36.2	

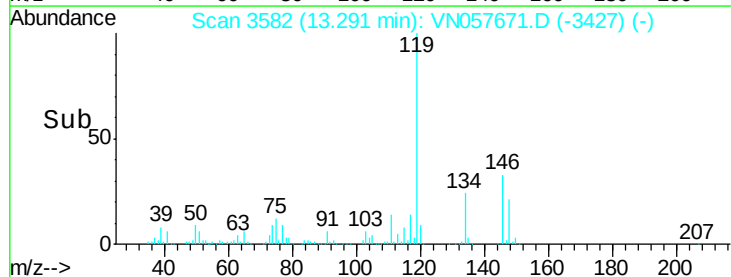
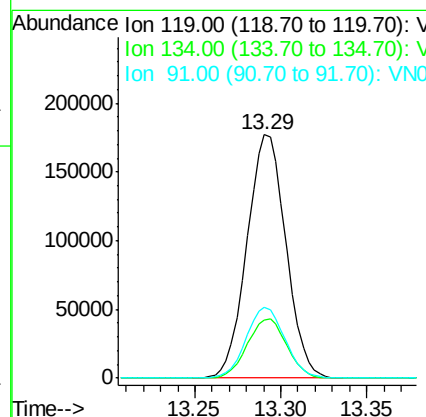
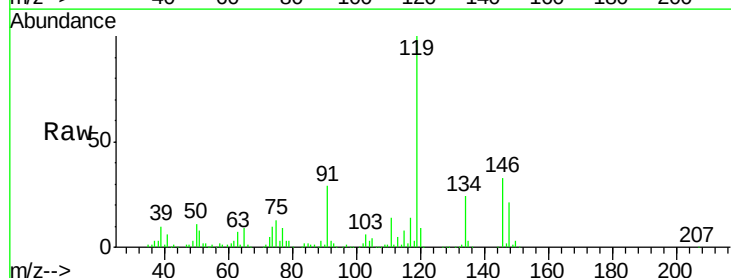
Manual Integrations
 APPROVED

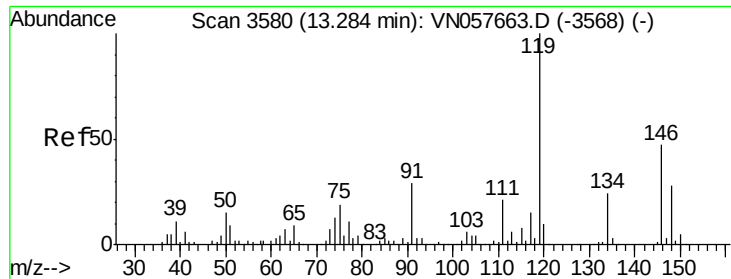
MMDadoda
 9/5/2019 3:21:30 PM



#82
 p-Isopropyltoluene
 Concen: 19.412 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN057671.D
 Acq: 3 Sep 2019 18:57

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	277771		
134	24.7	0.0	49.6	
91	28.8	0.0	56.2	





#83

1,3-Dichlorobenzene

Concen: 17.833 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057671.D

Acq: 3 Sep 2019 18:57

Instrument :

MSVOA_N

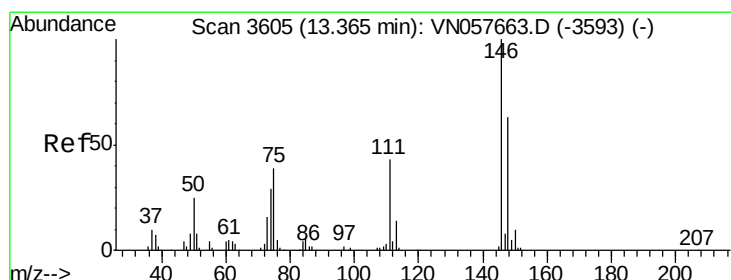
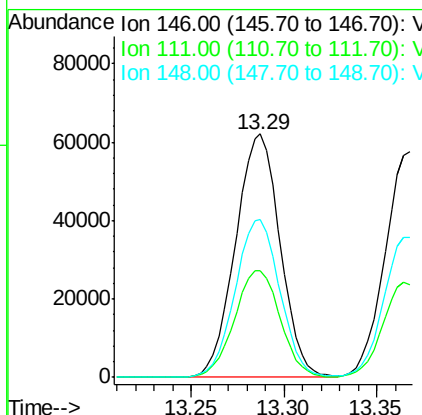
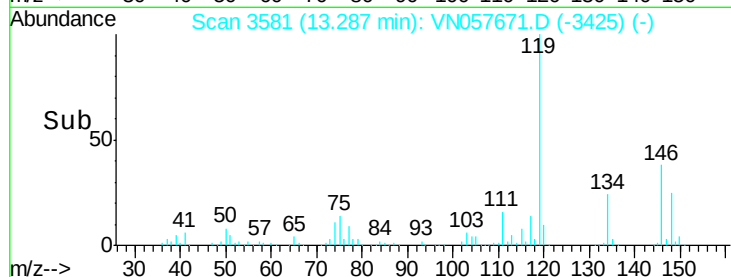
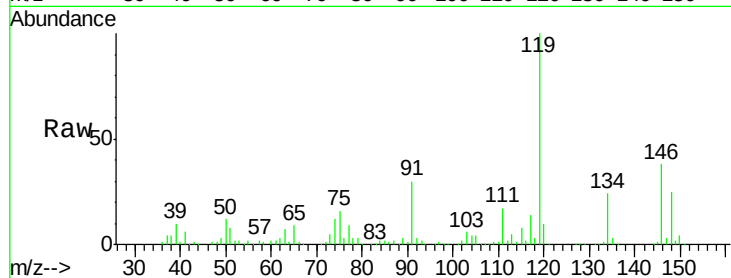
ClientSampled :

VN0903WBS01

Tot Ion:	146	Resp:	103771
Ion Ratio	Lower	Upper	
146	100		
111	44.8	22.1	66.3
148	64.9	31.3	93.9

Manual Integrations
APPROVED

MMDadoda
9/5/2019 3:21:30 PM



#84

1,4-Dichlorobenzene

Concen: 17.263 ug/l

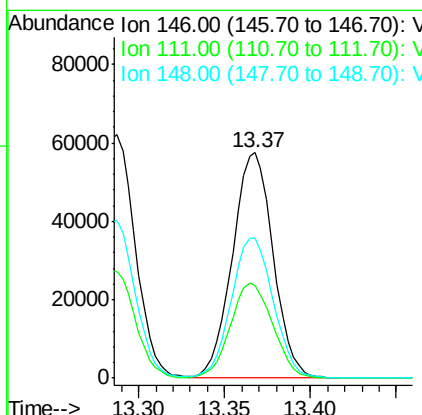
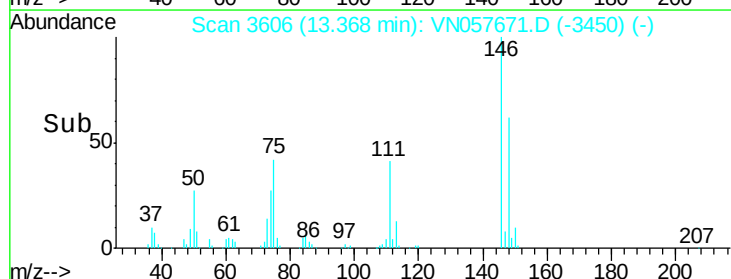
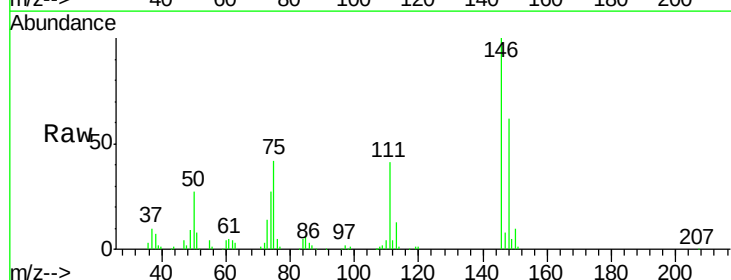
RT: 13.37 min Scan# 3606

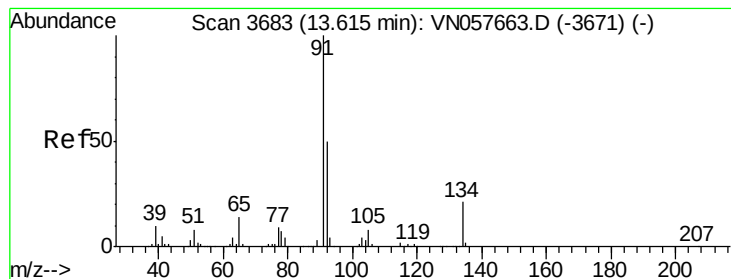
Delta R.T. 0.00 min

Lab File: VN057671.D

Acq: 3 Sep 2019 18:57

Tgt Ion:	146	Resp:	94837
Ion Ratio	Lower	Upper	
146	100		
111	43.7	21.3	63.9
148	64.2	31.0	93.0





#85

n-Butylbenzene

Concen: 19.242 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN057671.D

Acq: 3 Sep 2019 18:57

Instrument :

MSVOA_N

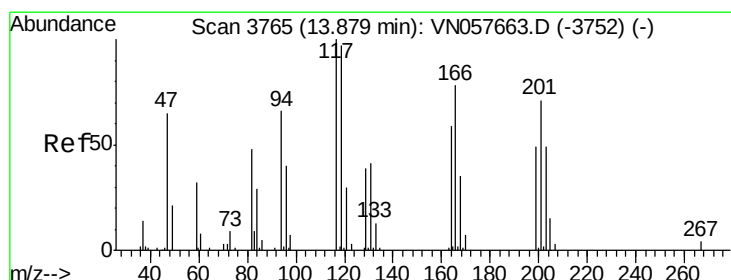
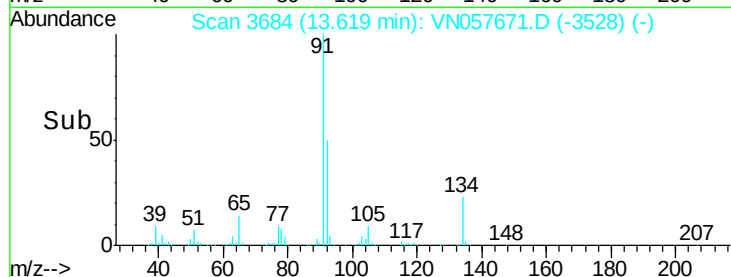
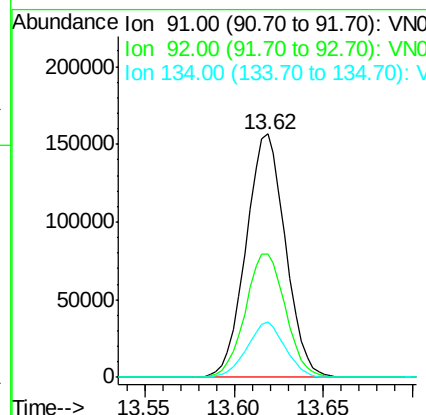
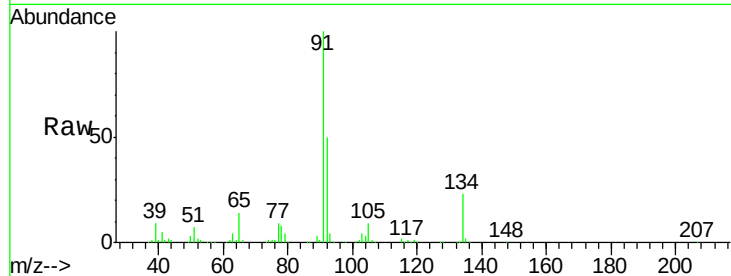
ClientSampled :

VN0903WBS01

Tot Ion:	91	Resp:	242015
Ion Ratio	Lower	Upper	
91	100		
92	51.8	0.0	100.2
134	21.9	0.0	43.8

Manual Integrations
APPROVED

MMDadoda
9/5/2019 3:21:30 PM



#86

Hexachloroethane

Concen: 18.489 ug/l

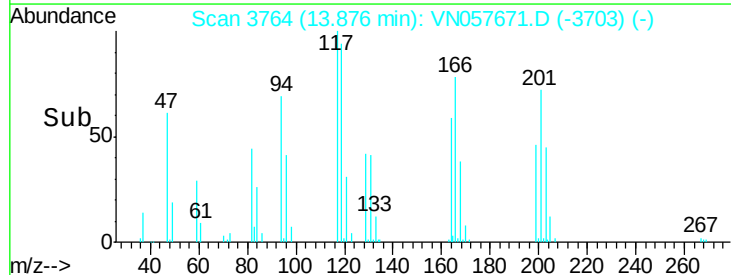
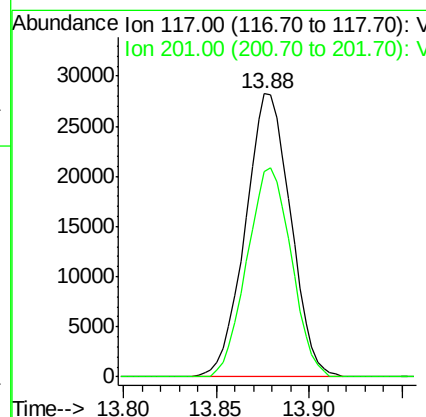
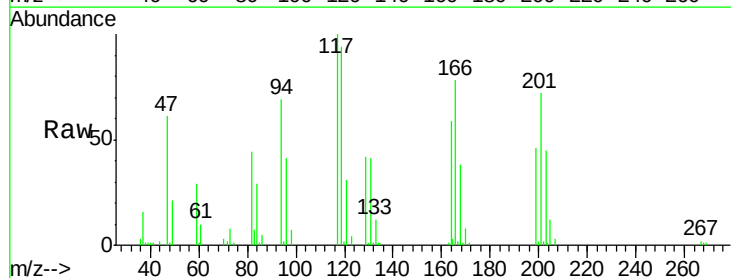
RT: 13.88 min Scan# 3764

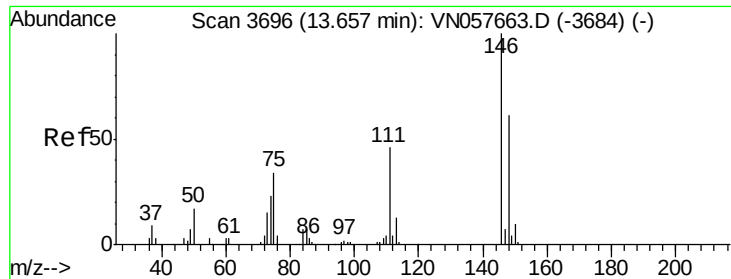
Delta R.T. -0.00 min

Lab File: VN057671.D

Acq: 3 Sep 2019 18:57

Tgt Ion:	117	Resp:	47874
Ion Ratio	Lower	Upper	
117	100		
201	72.3	34.1	102.2





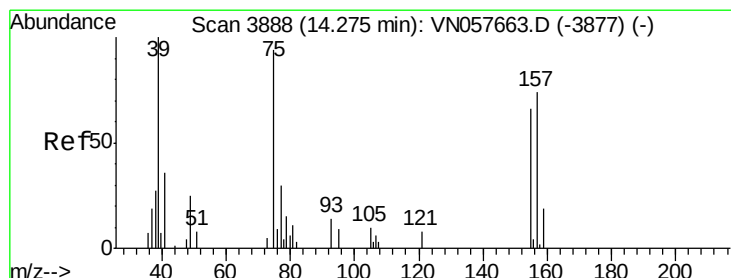
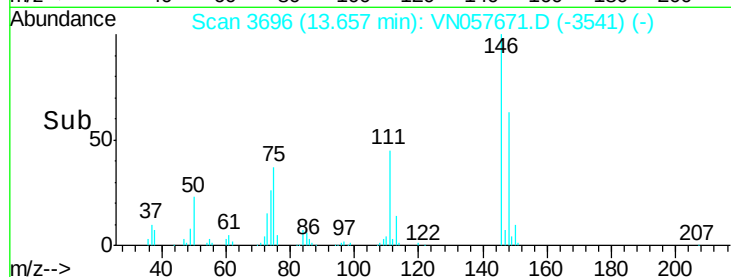
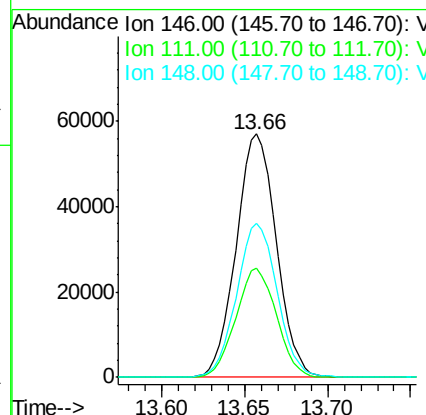
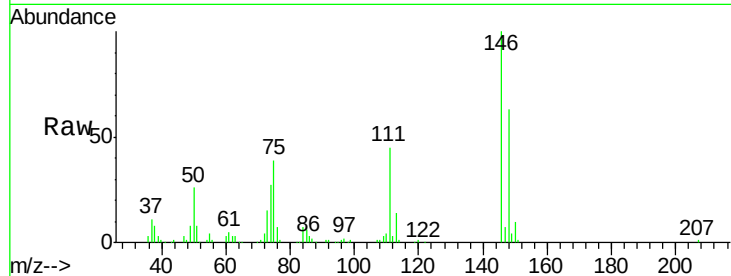
#87
 1,2-Dichlorobenzene
 Concen: 17.918 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN057671.D
 Acq: 3 Sep 2019 18:57

Instrument :
 MSVOA_N
 ClientSampled :
 VN0903WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.3	22.6	67.7
148	63.9	31.3	93.9

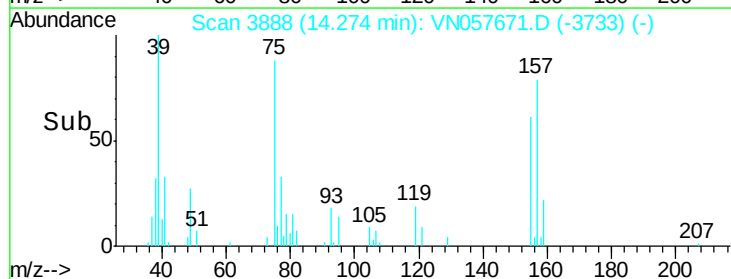
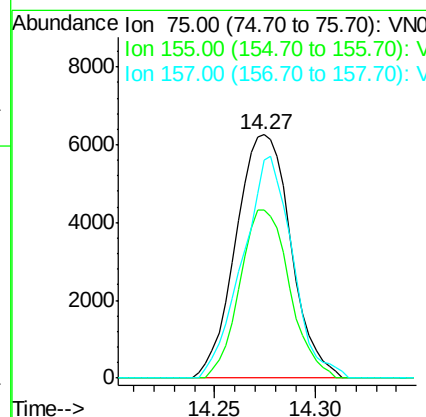
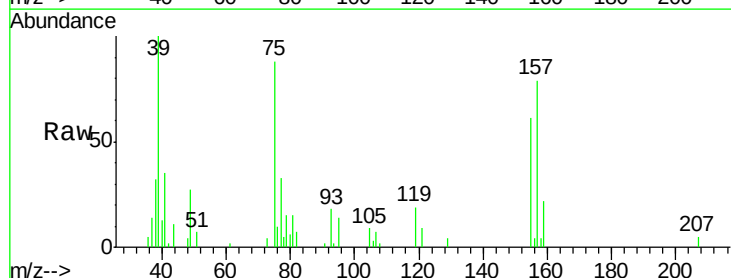
Manual Integrations
 APPROVED

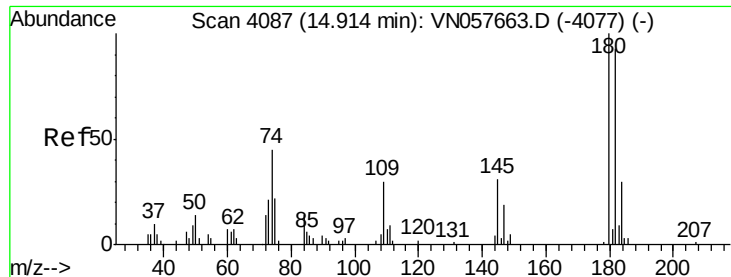
MMDadoda
 9/5/2019 3:21:30 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 16.886 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN057671.D
 Acq: 3 Sep 2019 18:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	62.6	54.6	82.0
157	82.6	65.5	98.3





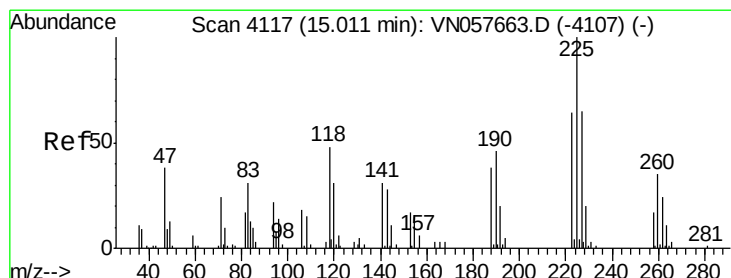
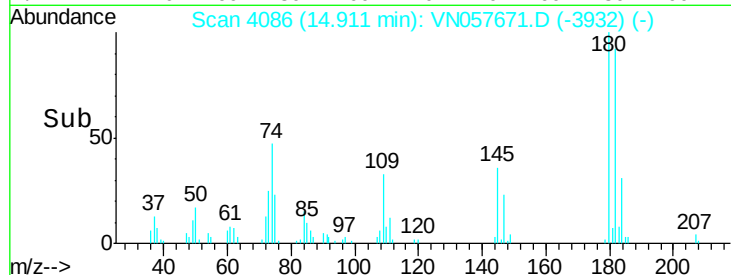
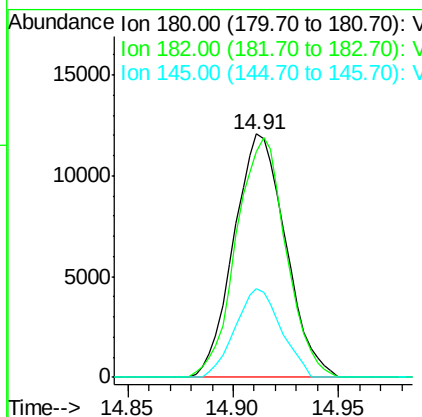
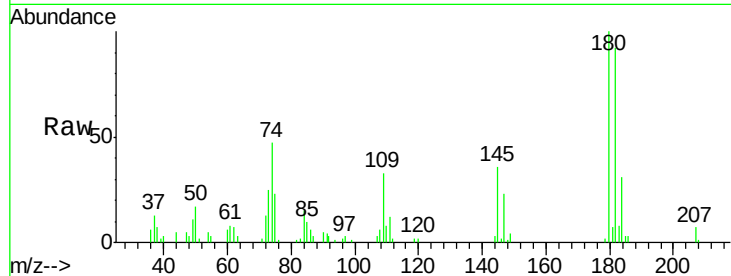
#89
1,2,4-Trichlorobenzene
Concen: 11.080 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. -0.00 min
Lab File: VN057671.D
Acq: 3 Sep 2019 18:57

Instrument :
MSVOA_N
ClientSampled :
VN0903WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	77.4	116.2
145	32.0	25.1	37.7

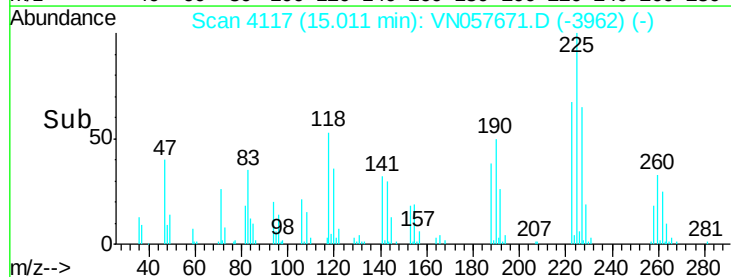
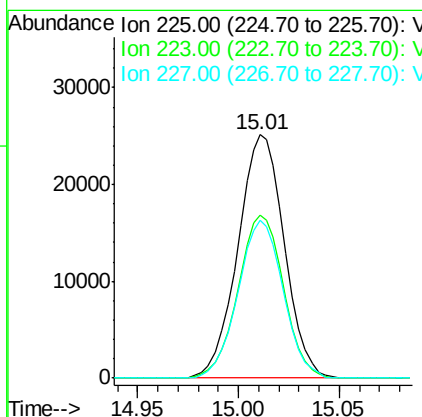
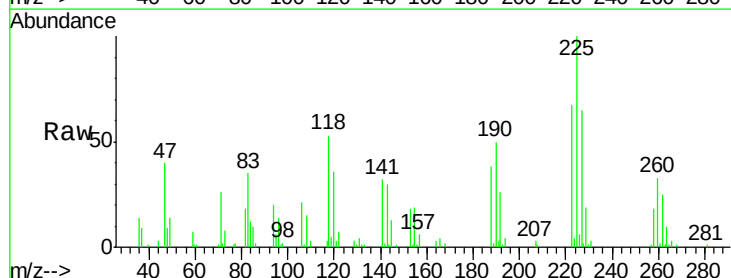
Manual Integrations
APPROVED

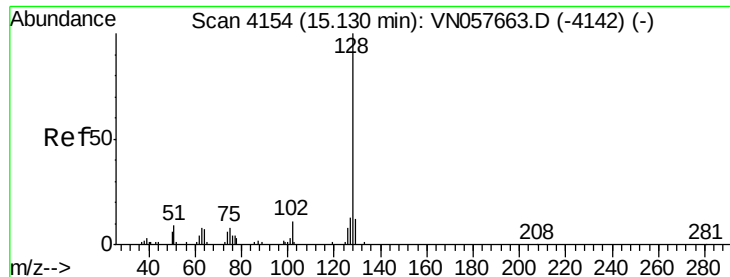
MMDadoda
9/5/2019 3:21:30 PM



#90
Hexachlorobutadiene
Concen: 19.582 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. -0.00 min
Lab File: VN057671.D
Acq: 3 Sep 2019 18:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.1	0.0	131.0
227	63.2	0.0	128.6





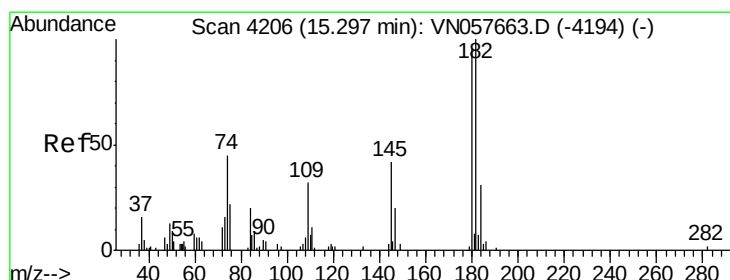
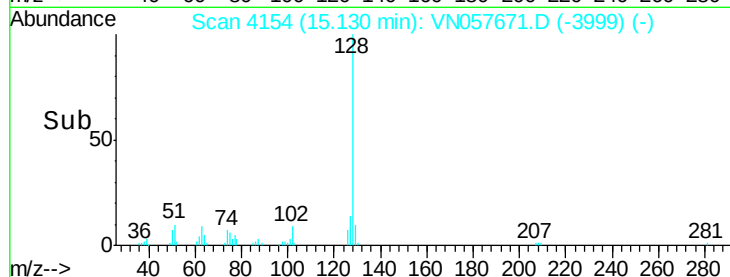
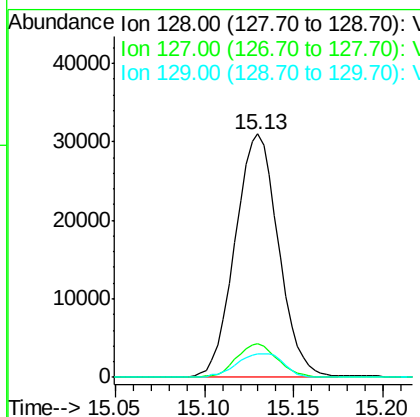
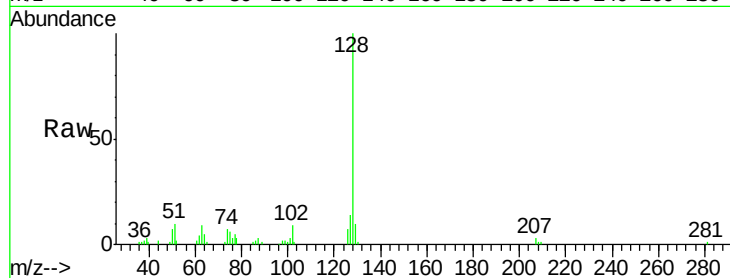
#91
Naphthalene
Concen: 10.925 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN057671.D
Acq: 3 Sep 2019 18:57

Instrument :
MSVOA_N
ClientSampled :
VN0903WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	10.4	9.1	13.7

Manual Integrations
APPROVED

MMDadoda
9/5/2019 3:21:30 PM



#92
1,2,3-Trichlorobenzene
Concen: 11.483 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN057671.D
Acq: 3 Sep 2019 18:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	0.0	199.4
145	33.5	0.0	73.2

