

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090319\
 Data File : VN057663.D
 Acq On : 3 Sep 2019 15:14
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 9/5/2019 3:20:54 PM

Quant Time: Sep 04 01:53:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N090319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 04 01:42:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	57304	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	353932	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	304724	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	187870	39.73	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	132.43%
60) 4-Bromofluorobenzene	12.40	95	144637	30.70	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.33%
63) Toluene-d8	10.08	98	451766	31.69	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	105.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	78496	24.599	ug/l 100
3) Chloromethane	2.05	50	86041	28.724	ug/l 100
4) Vinyl Chloride	2.18	62	70561	17.651	ug/l 100
5) Bromomethane	2.54	94	46937m	13.460	ug/l
6) Chloroethane	2.69	64	52984m	19.443	ug/l
7) Trichlorofluoromethane	3.01	101	130540	15.353	ug/l 100
8) Diethyl Ether	3.40	74	45111	16.340	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	69190	13.935	ug/l 100
10) 1,1-Dichloroethene	3.73	96	63065	13.701	ug/l 100
11) Methyl Iodide	3.94	142	83081	10.754	ug/l 100
12) Methyl Acetate	4.31	43	95047	30.361	ug/l 100
13) Acrolein	3.59	56	28075	84.099	ug/l 100
14) Acrylonitrile	4.97	53	171146	143.844	ug/l 100
15) Acetone	3.80	58	46437	86.107	ug/l 98
16) Carbon Disulfide	4.04	76	150770	26.393	ug/l 100
17) Allyl chloride	4.31	41	125594	30.529	ug/l 100
18) Methylene Chloride	4.54	84	77622	25.203	ug/l 100
19) trans-1,2-Dichloroethene	5.02	96	66750	22.458	ug/l 100
20) Diisopropyl ether	5.93	45	298092	30.436	ug/l 100
21) 1,1-Dichloroethane	5.83	63	153003	26.110	ug/l 100
22) cis-1,2-Dichloroethene	6.82	96	83694	21.322	ug/l 100
23) tert-Butyl Alcohol	4.75	59	59449	137.473	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	251482	25.357	ug/l 100
25) Chloroform	7.36	83	157632	22.913	ug/l 100
26) Cyclohexane	7.64	56	128964	26.370	ug/l # 100
29) 1,1-Dichloropropene	7.78	75	110194	22.401	ug/l 100
30) 2-Butanone	6.81	43	255402	147.484	ug/l 100
31) 2,2-Dichloropropane	6.81	77	131075	22.244	ug/l 100
32) 1,1,1-Trichloroethane	7.56	97	132011	20.454	ug/l 100
33) Carbon Tetrachloride	7.76	117	105108	19.356	ug/l 100
34) Benzene	8.03	78	316345	21.674	ug/l 100
35) Methacrylonitrile	7.15	41	42441	25.617	ug/l 100
36) 1,2-Dichloroethane	8.11	62	137086	24.656	ug/l # 100
37) Trichloroethene	8.83	130	73801	18.159	ug/l 100
38) Methylcyclohexane	9.07	83	119482	20.486	ug/l 100
39) 1,2-Dichloropropane	9.11	63	86647	23.591	ug/l 100
40) Dibromomethane	9.20	93	54728	20.247	ug/l 100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090319\
 Data File : VN057663.D
 Acq On : 3 Sep 2019 15:14
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 9/5/2019 3:20:54 PM

Quant Time: Sep 04 01:53:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N090319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 04 01:42:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	115121	20.601	ug/l	100
42) Vinyl Acetate	5.87	43	1186359	152.687	ug/l	100
43) Ethyl Acetate	6.91	43	100473	29.874	ug/l	100
44) Isopropyl Acetate	8.15	43	196192	29.271	ug/l	100
45) 1,4-Dioxane	9.19	88	25629	475.324	ug/l	100
46) Methyl methacrylate	9.19	41	92342	29.712	ug/l	100
47) n-amyl Acetate	12.07	43	136839	25.630	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	120425	21.331	ug/l	100
49) cis-1,3-Dichloropropene	9.83	75	130749	21.468	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	74378	19.265	ug/l	100
51) Ethyl methacrylate	10.43	69	114891	22.008	ug/l	100
52) 1,3-Dichloropropane	10.70	76	132984	21.643	ug/l	100
53) Dibromochloromethane	10.90	129	71570	16.795	ug/l	100
54) 1,2-Dibromoethane	11.00	107	72363	18.248	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	169405	125.618	ug/l	100
56) Bromoform	12.13	173	41980	15.216	ug/l	100
58) 4-Methyl-2-Pentanone	9.98	43	551543	157.915	ug/l	100
59) 2-Hexanone	10.75	43	358012	148.347	ug/l	100
61) Tetrachloroethene	10.63	164	71804	18.798	ug/l	100
62) Toluene	10.15	91	336583	21.682	ug/l	100
64) Chlorobenzene	11.43	112	188462	19.185	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	68332	17.674	ug/l	100
66) Ethyl Benzene	11.51	91	374496	22.320	ug/l	100
67) m/p-Xylenes	11.62	106	252630	38.476	ug/l	100
68) o-Xylene	11.95	106	125982	19.067	ug/l	100
69) Styrene	11.96	104	192768	18.515	ug/l	100
70) Isopropylbenzene	12.25	105	353626	21.297	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	93166	20.751	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	83745m	21.722	ug/l	100
73) Bromobenzene	12.53	156	68544	16.506	ug/l	100
74) n-propylbenzene	12.59	91	369219	21.462	ug/l	100
75) 2-Chlorotoluene	12.68	91	232060	20.717	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	276922	19.877	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	22336	18.266	ug/l	100
78) 4-Chlorotoluene	12.77	91	205560	19.375	ug/l	100
79) tert-butylbenzene	12.99	119	239874	18.947	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	260015	19.926	ug/l	100
81) sec-Butylbenzene	13.17	105	305287	19.826	ug/l	100
82) p-Isopropyltoluene	13.29	119	252494	18.659	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	96168	14.492	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	88576	13.971	ug/l	100
85) n-Butylbenzene	13.62	91	225650	20.563	ug/l	100
86) Hexachloroethane	13.88	117	45714	17.411	ug/l	100
87) 1,2-Dichlorobenzene	13.66	146	90854	14.417	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	9605	14.935	ug/l	100
89) 1,2,4-Trichlorobenzene	14.91	180	18572	8.067	ug/l	100
90) Hexachlorobutadiene	15.01	225	38751	18.506	ug/l	100
91) Naphthalene	15.13	128	45281	7.214	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	18304	8.052	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090319\
Data File : VN057663.D
Acq On : 3 Sep 2019 15:14
Operator : JC/SP
Sample : VSTDICCC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

MMDadoda
9/5/2019 3:20:54 PM

Quant Time: Sep 04 01:53:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N090319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Sep 04 01:42:15 2019
Response via : Initial Calibration

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

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

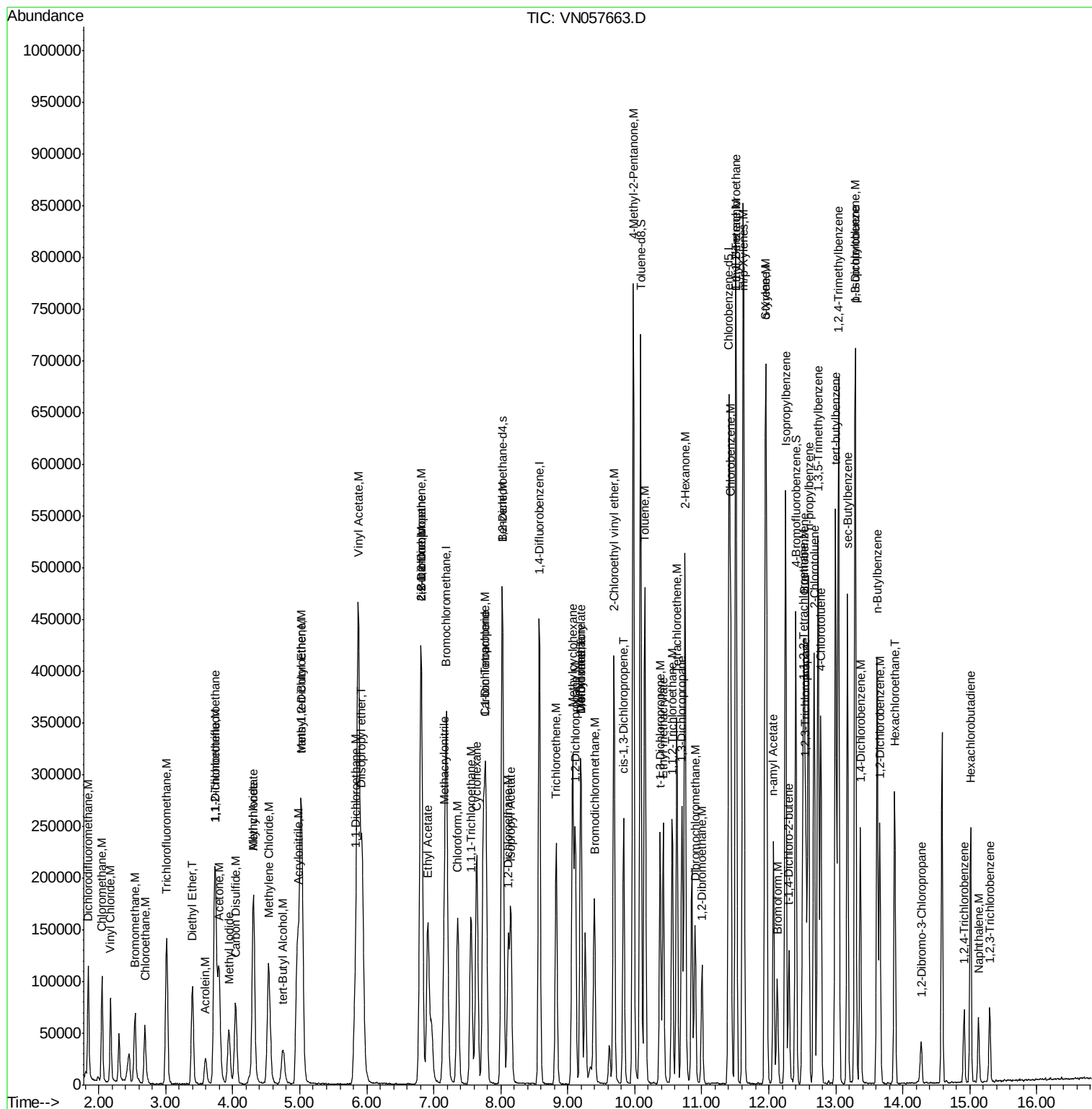
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090319\
Data File : VN057663.D
Acq On : 3 Sep 2019 15:14
Operator : JC/SP
Sample : VSTDICCC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

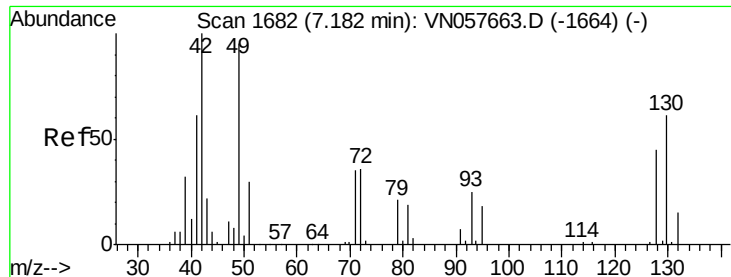
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

MMDadoda
9/5/2019 3:20:54 PM

Quant Time: Sep 04 01:53:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N090319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Sep 04 01:42:15 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: VN057663.D

Acq: 3 Sep 2019 15:14

Instrument :

MSVOA_N

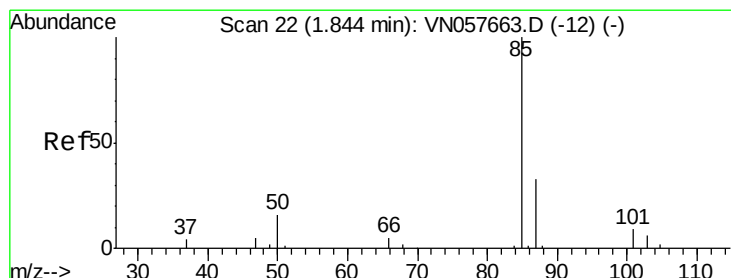
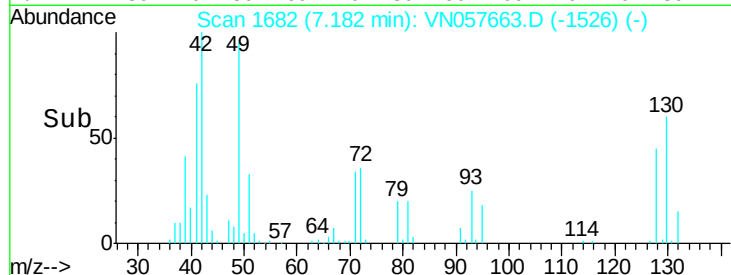
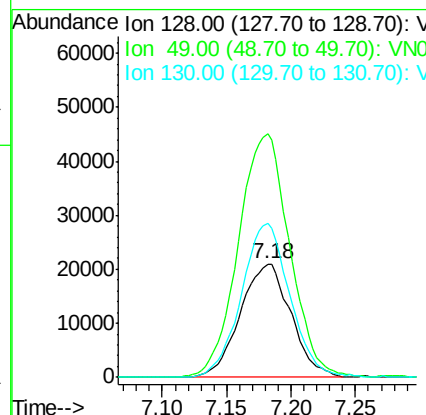
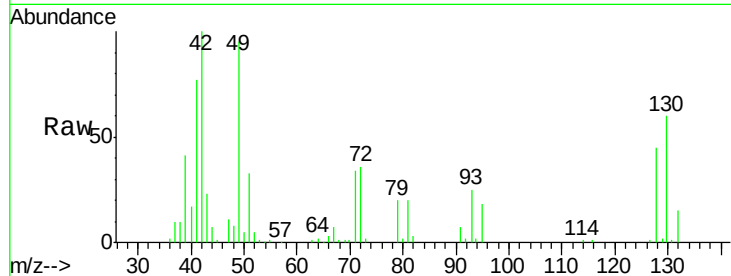
ClientSampleId :

VSTDICCC020

Tot Ion	Ratio	Lower	Upper
128	100		
49	217.8	0.0	544.5
130	129.9	0.0	324.7

Manual Integrations
APPROVED

MMDadoda
9/5/2019 3:20:54 PM



#2

Dichlorodifluoromethane

Concen: 24.599 ug/l

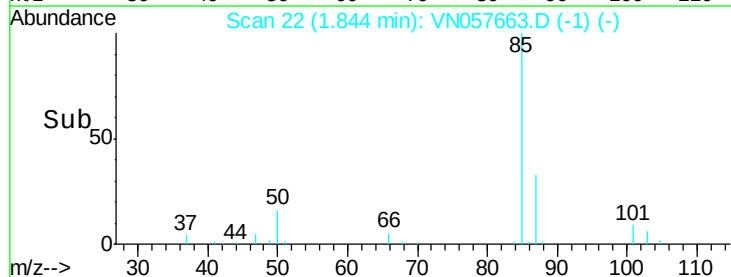
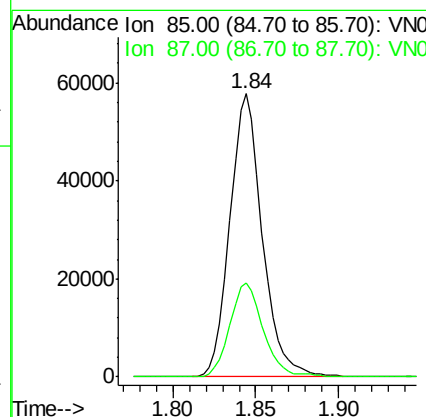
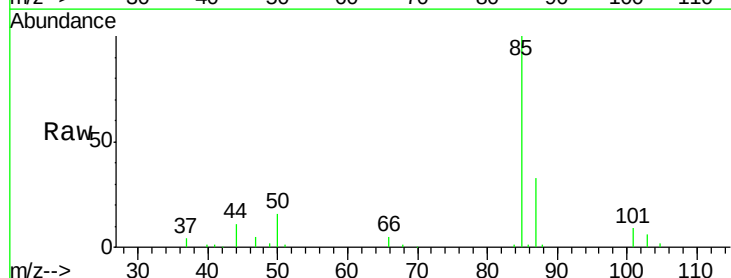
RT: 1.84 min Scan# 22

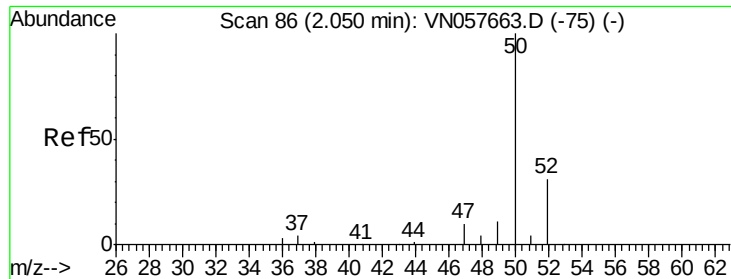
Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.1	16.6	49.7





#3

Chloromethane

Concen: 28.724 ug/l

RT: 2.05 min Scan# 86

Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 50 Resp: 86041

Ion Ratio Lower Upper

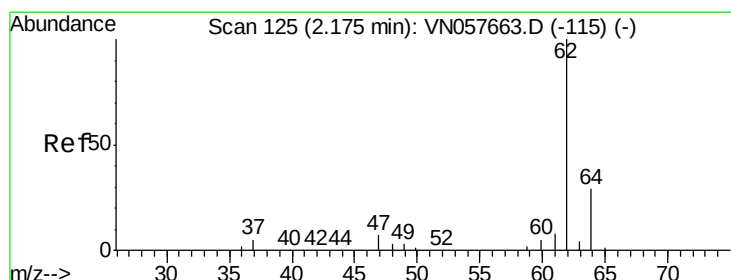
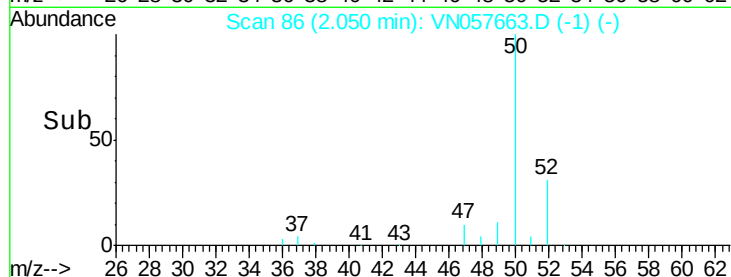
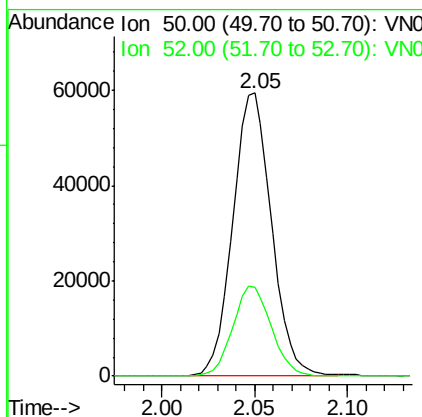
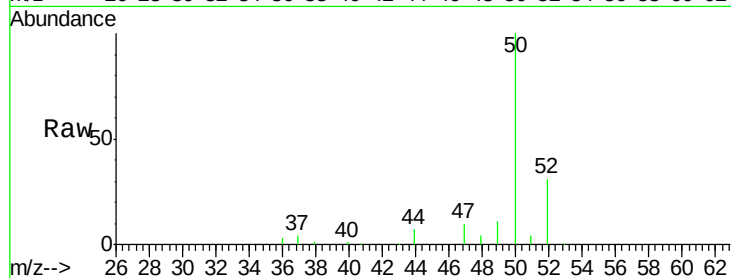
50 100

52 31.5 25.2 37.8

Manual Integrations
APPROVED

MMDadoda

9/5/2019 3:20:54 PM



#4

Vinyl Chloride

Concen: 17.651 ug/l

RT: 2.18 min Scan# 125

Delta R.T. 0.00 min

Lab File: VN057663.D

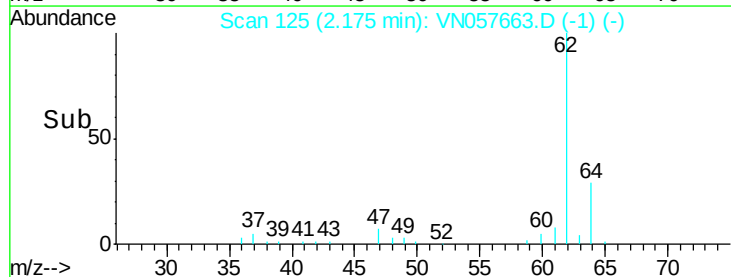
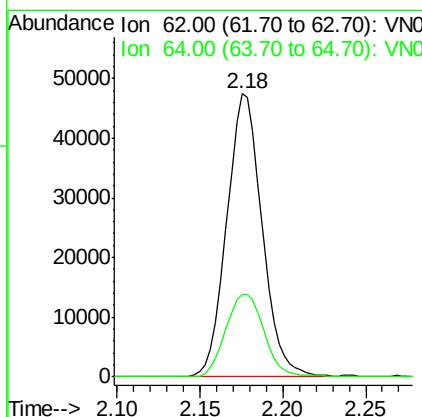
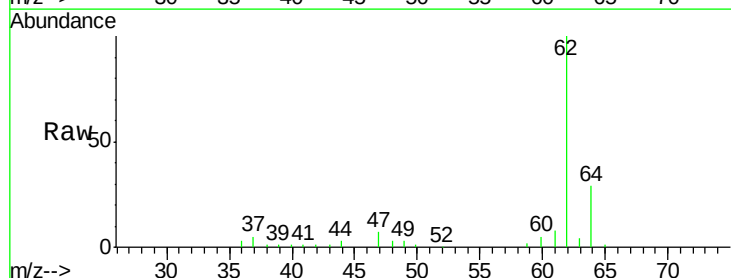
Acq: 3 Sep 2019 15:14

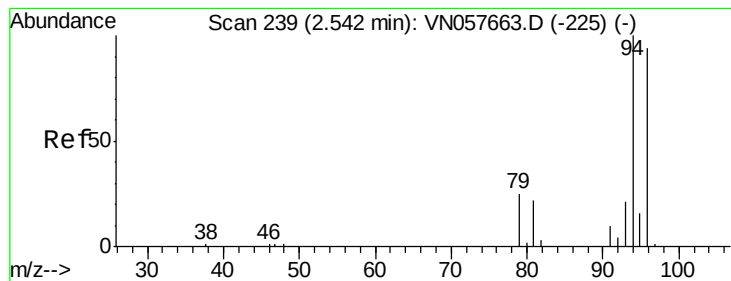
Tgt Ion: 62 Resp: 70561

Ion Ratio Lower Upper

62 100

64 29.0 23.2 34.8





#5

Bromomethane

Concen: 13.460 ug/l m

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 94 Resp: 46937

Ion Ratio Lower Upper

94 100

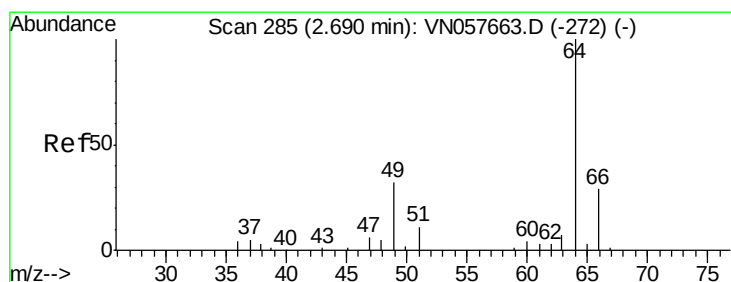
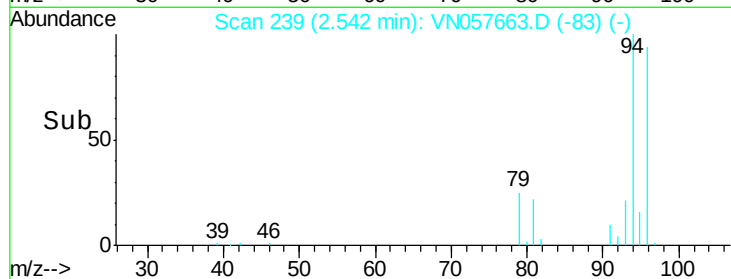
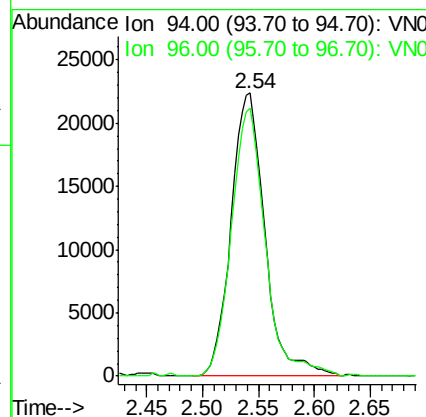
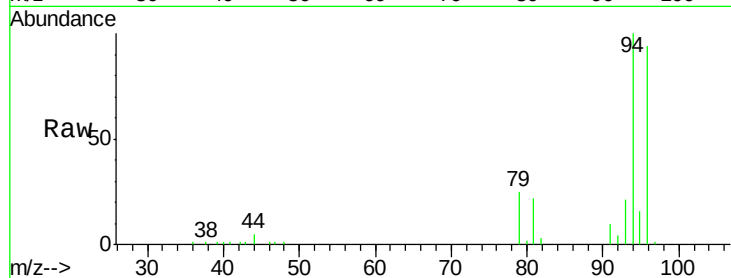
96 94.5 75.6 113.4

Manual Integrations

APPROVED

MMDadoda

9/5/2019 3:20:54 PM



#6

Chloroethane

Concen: 19.443 ug/l m

RT: 2.69 min Scan# 285

Delta R.T. 0.00 min

Lab File: VN057663.D

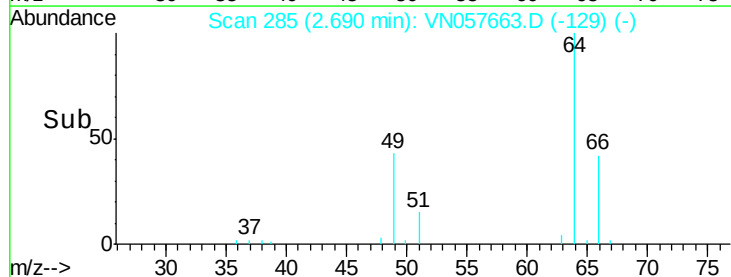
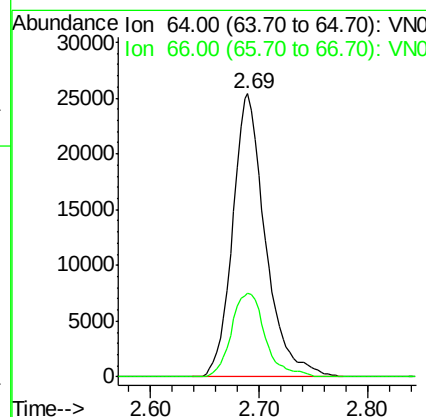
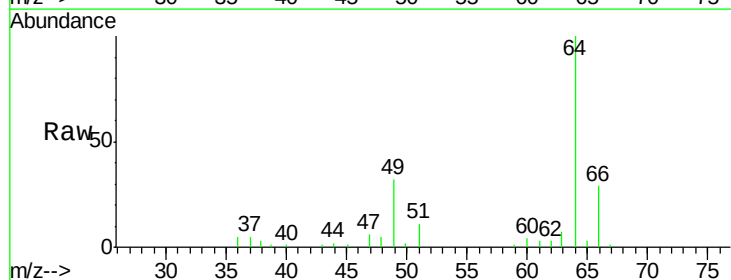
Acq: 3 Sep 2019 15:14

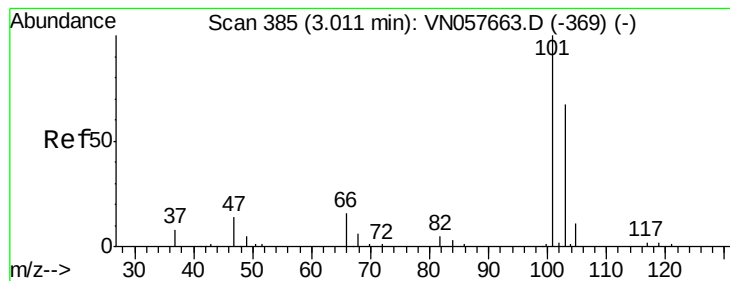
Tgt Ion: 64 Resp: 52984

Ion Ratio Lower Upper

64 100

66 29.4 23.5 35.3





#7

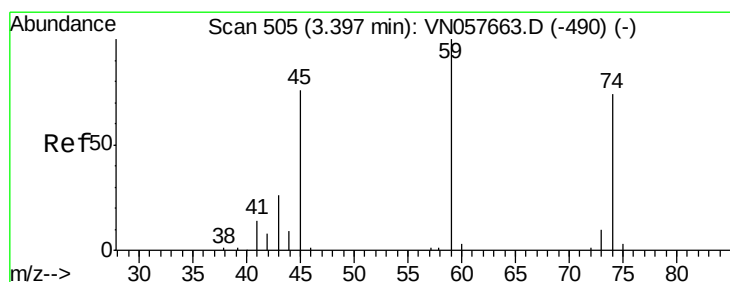
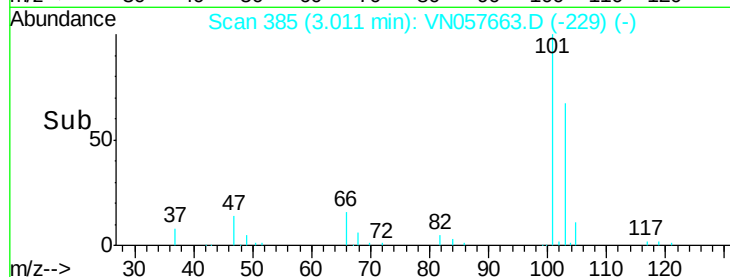
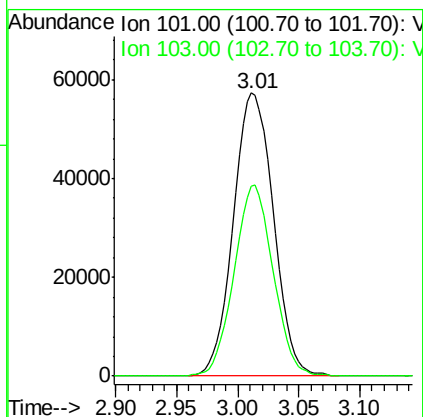
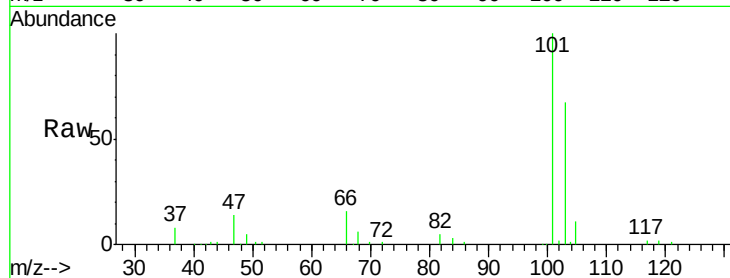
Trichlorofluoromethane
 Concen: 15.353 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.0	53.6	80.4

Manual Integrations
 APPROVED

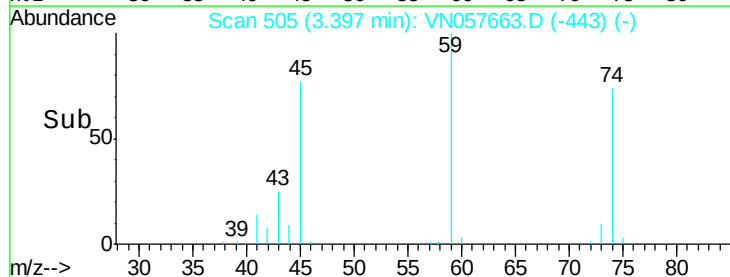
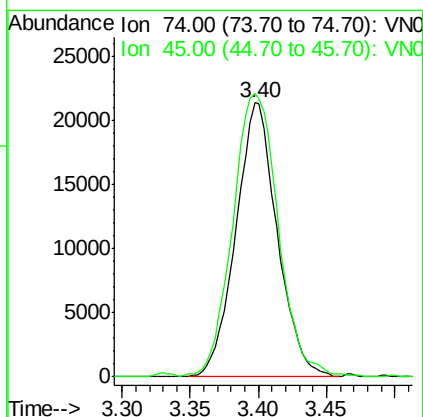
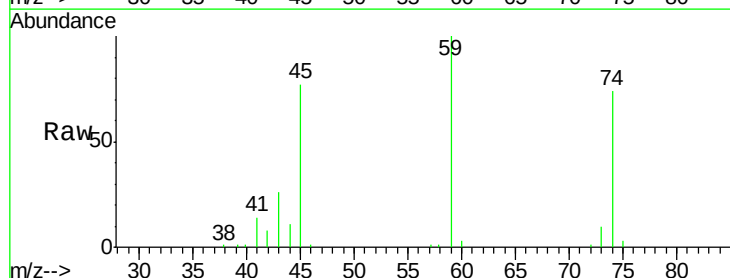
MMDadoda
 9/5/2019 3:20:54 PM

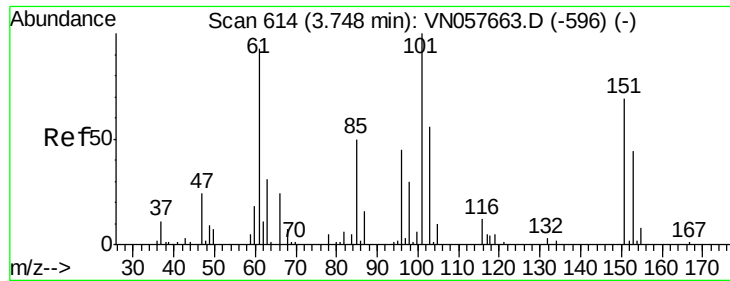


#8

Diethyl Ether
 Concen: 16.340 ug/l
 RT: 3.40 min Scan# 505
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.3	22.9	205.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 13.935 ug/l

RT: 3.75 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

Instrument :

MSVOA_N

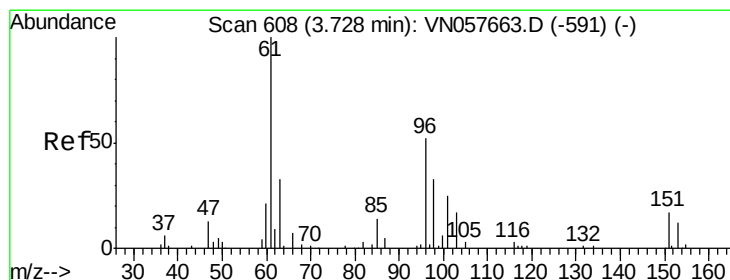
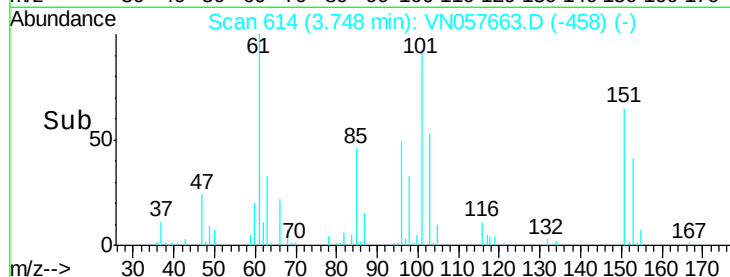
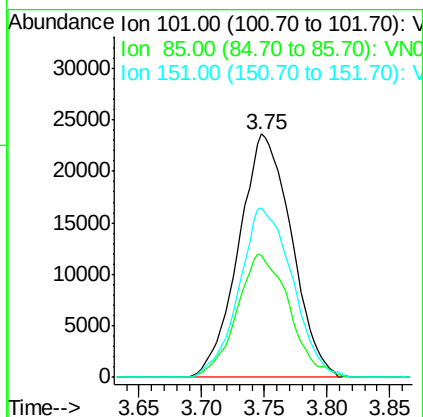
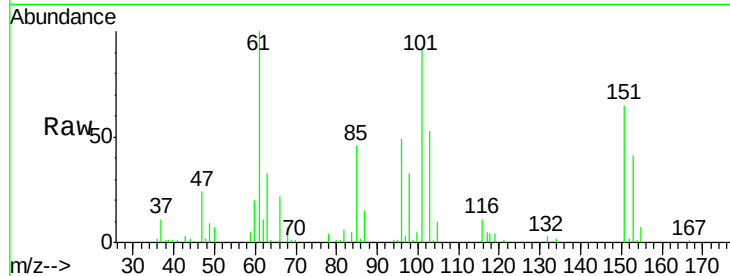
ClientSampled :

VSTDICCC020

Tot Ion:	101	Resp:	69190
Ion Ratio	Lower	Upper	
101	100		
85	50.1	0.0	100.2
151	70.3	0.0	140.6

Manual Integrations
APPROVED

MMDadoda
9/5/2019 3:20:54 PM



#10

1,1-Dichloroethene

Concen: 13.701 ug/l

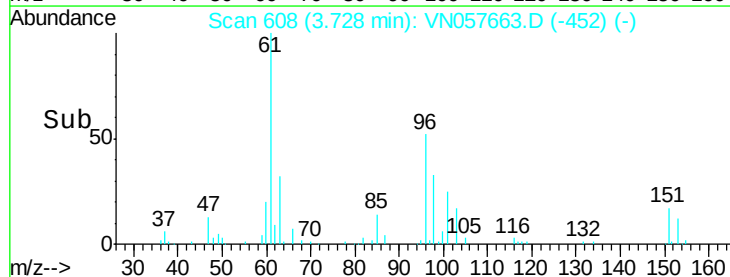
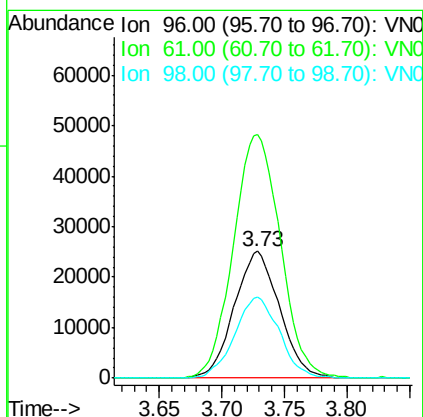
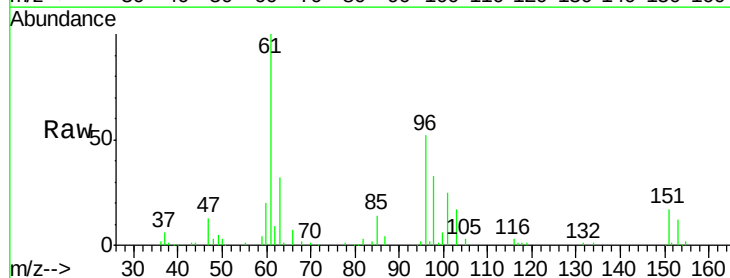
RT: 3.73 min Scan# 608

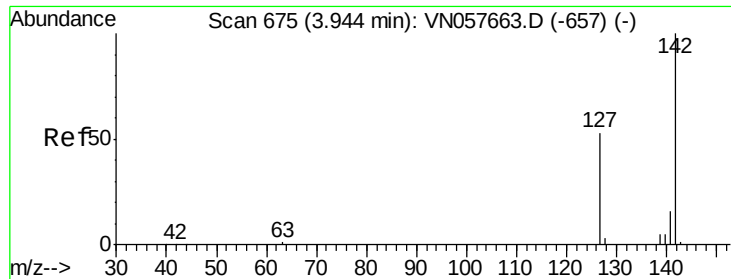
Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

Tgt Ion:	96	Resp:	63065
Ion Ratio	Lower	Upper	
96	100		
61	191.1	152.9	229.3
98	63.7	51.0	76.4





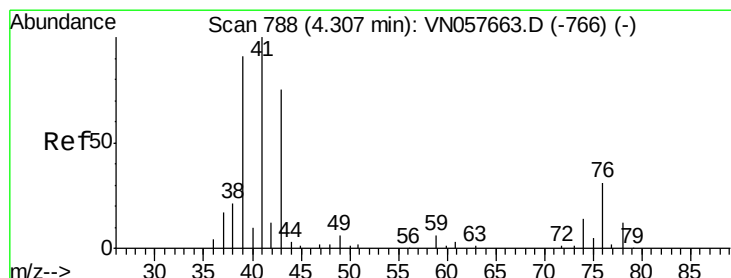
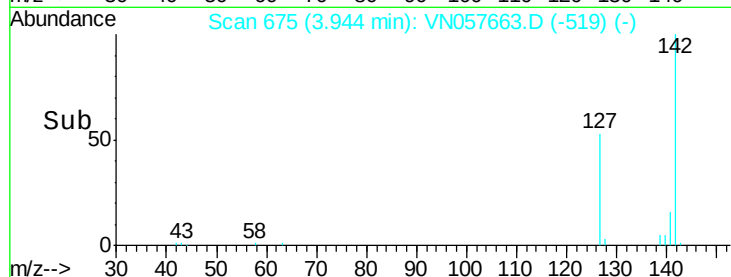
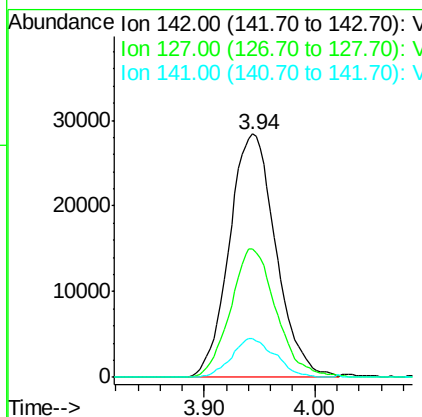
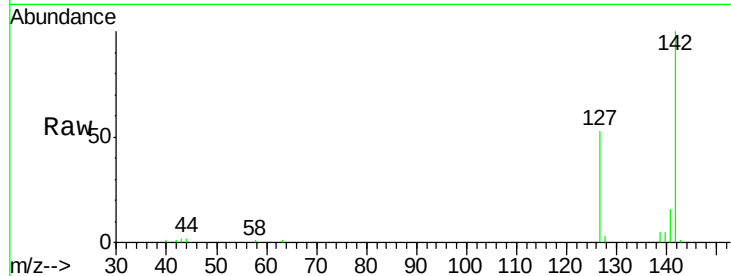
#11
Methvl Iodide
Concen: 10.754 ug/l
RT: 3.94 min Scan# 675
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	52.3	26.2	78.5
141	15.3	7.6	22.9

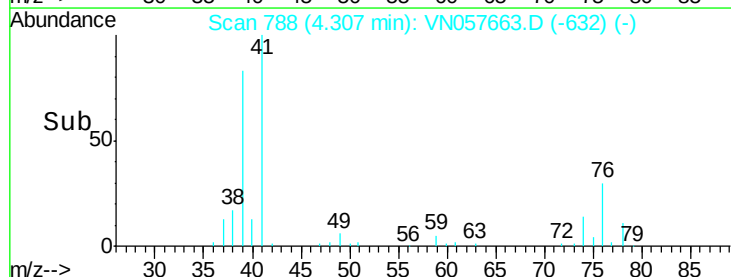
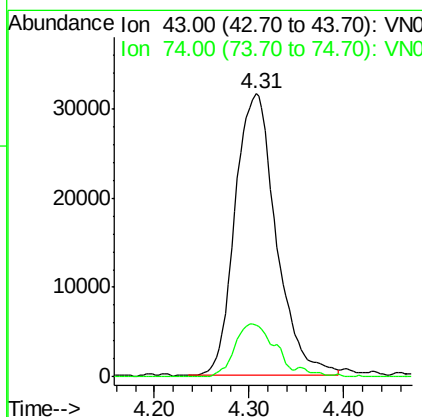
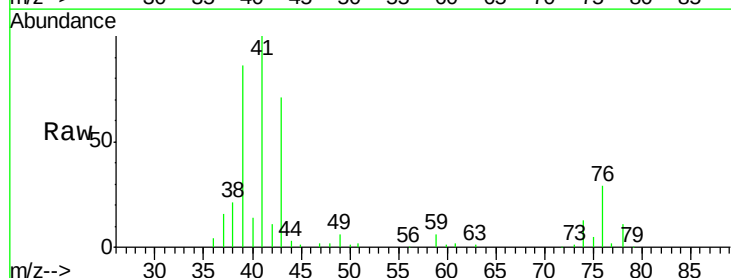
Manual Integrations
APPROVED

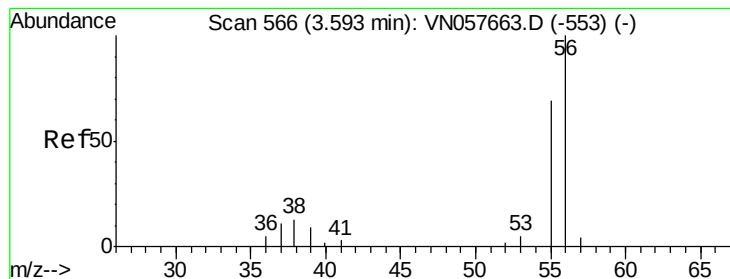
MMDadoda
9/5/2019 3:20:54 PM



#12
Methyl Acetate
Concen: 30.361 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.3	14.6	22.0





#13

Acrolein

Concen: 84.099 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 56 Resp: 28075

Ion Ratio Lower Upper

56 100

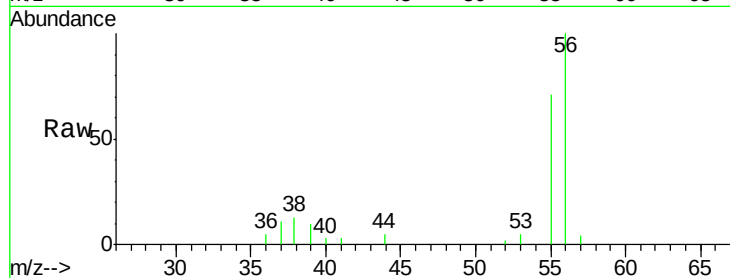
55 67.8 54.2 81.4

Manual Integrations

APPROVED

MMDadoda

9/5/2019 3:20:54 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12000

10000

8000

6000

4000

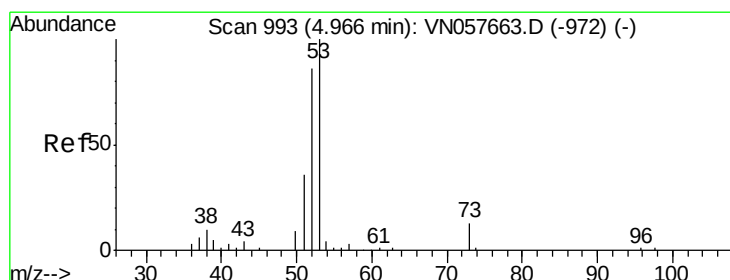
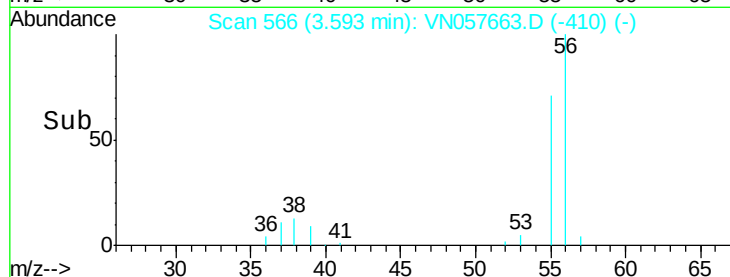
2000

0

Time-->

3.50 3.55 3.60 3.65 3.70

3.59



#14

Acrylonitrile

Concen: 143.844 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

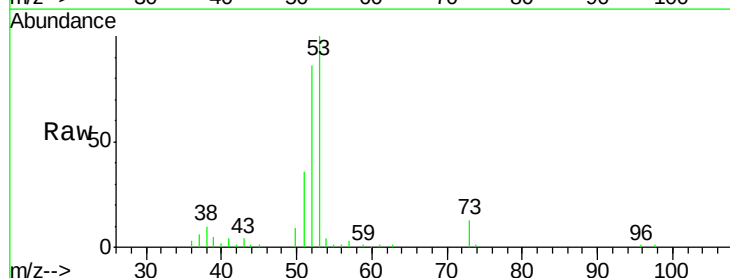
Tgt Ion: 53 Resp: 171146

Ion Ratio Lower Upper

53 100

52 83.8 41.9 125.7

51 38.8 19.4 58.2



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

60000

40000

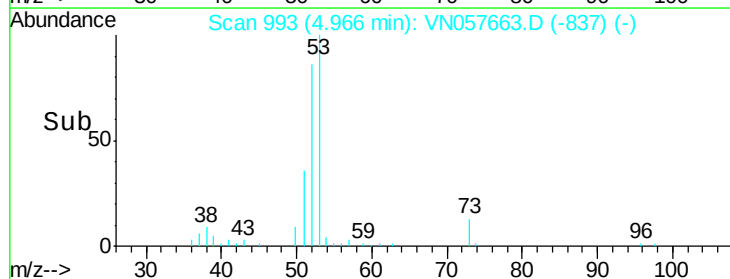
20000

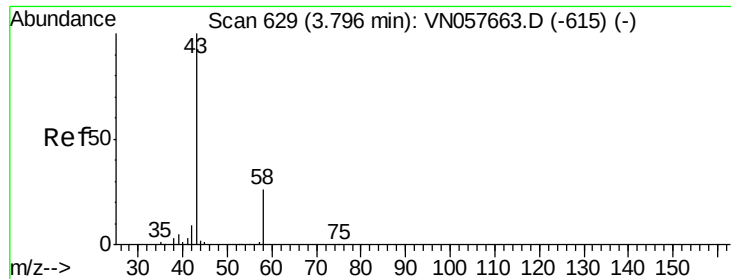
0

Time-->

4.90 4.95 5.00 5.05 5.10

4.97





#15

Acetone

Concen: 86.107 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 58 Resp: 46437

Ion Ratio Lower Upper

58 100

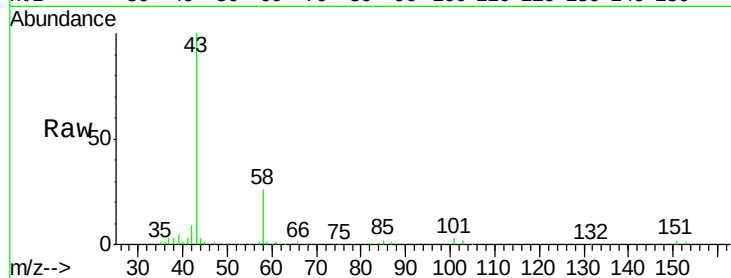
43 380.6 308.8 463.2

Manual Integrations

APPROVED

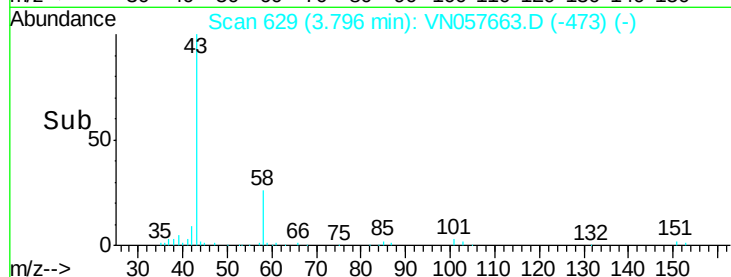
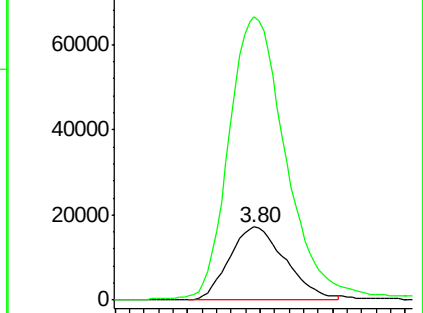
MMDadoda

9/5/2019 3:20:54 PM

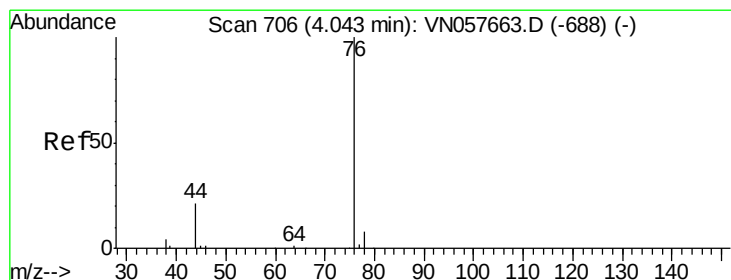


Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



Time-->



#16

Carbon Disulfide

Concen: 26.393 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN057663.D

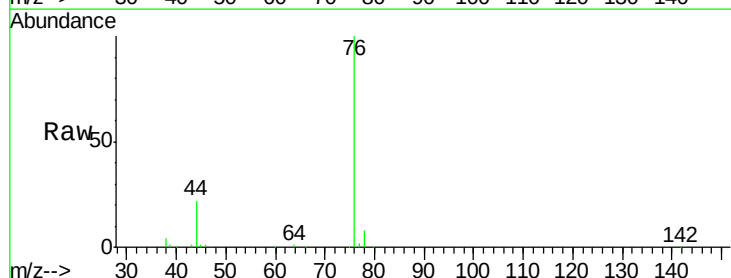
Acq: 3 Sep 2019 15:14

Tgt Ion: 76 Resp: 150770

Ion Ratio Lower Upper

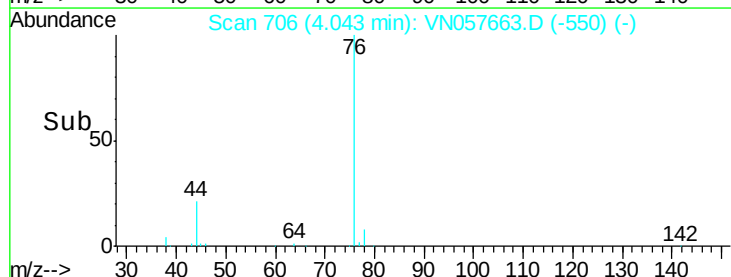
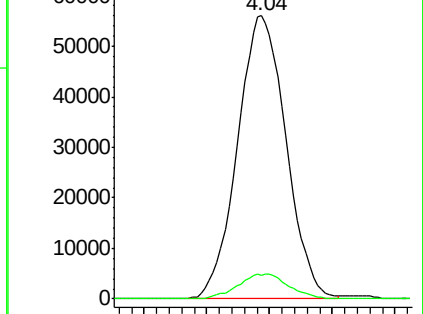
76 100

78 8.5 6.8 10.2

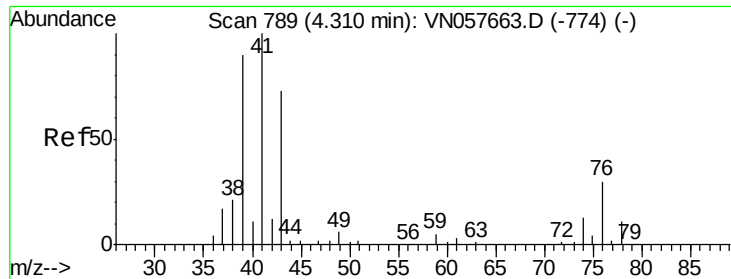


Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0



Time-->



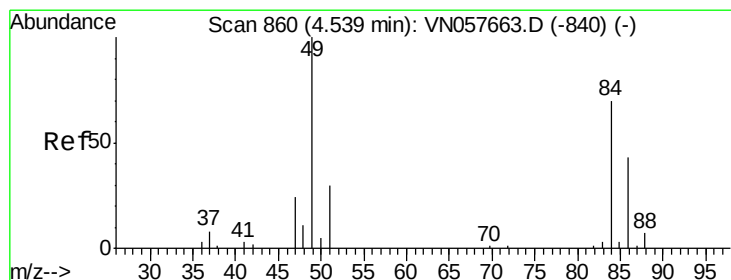
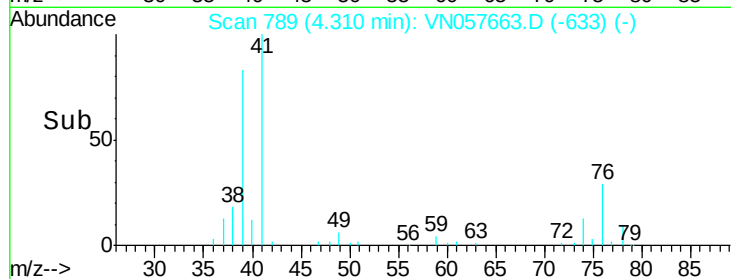
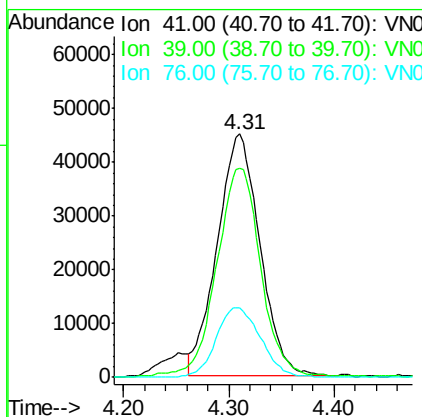
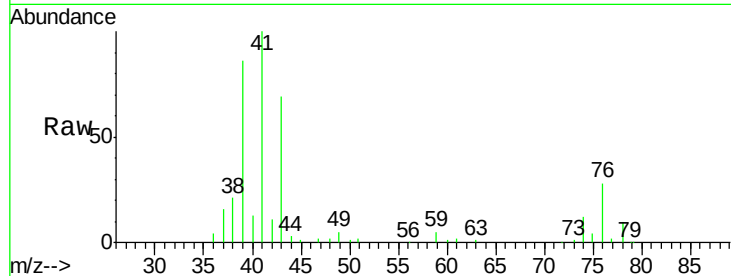
#17
Allvl chloride
Concen: 30.529 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion:	41	Resp:	125594
Ion	Ratio	Lower	Upper
41	100		
39	85.9	43.0	128.8
76	28.5	14.2	42.8

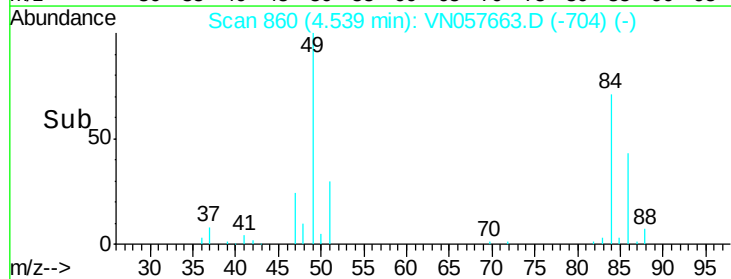
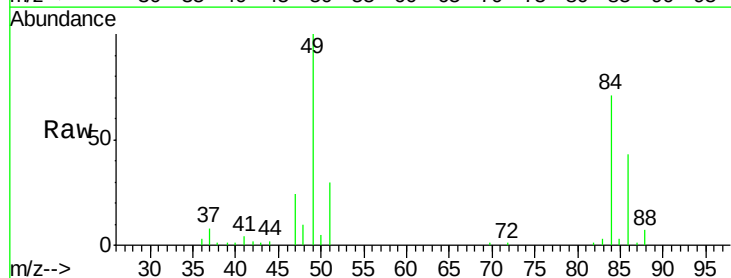
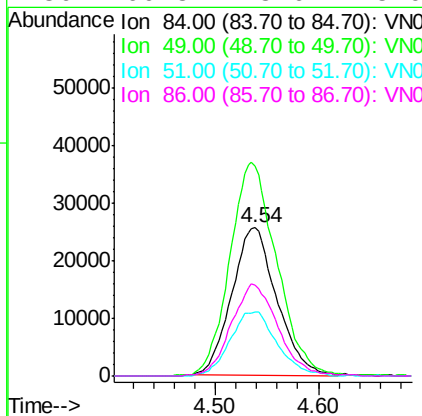
Manual Integrations
APPROVED

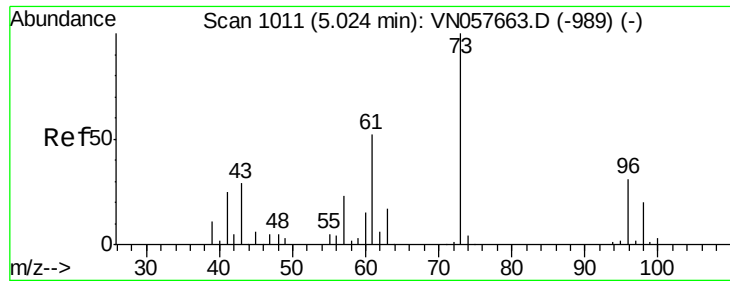
MMDadoda
9/5/2019 3:20:54 PM



#18
Methylene Chloride
Concen: 25.203 ug/l
RT: 4.54 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Tgt Ion:	84	Resp:	77622
Ion	Ratio	Lower	Upper
84	100		
49	142.1	113.7	170.5
51	43.1	34.5	51.7
86	60.8	48.6	73.0





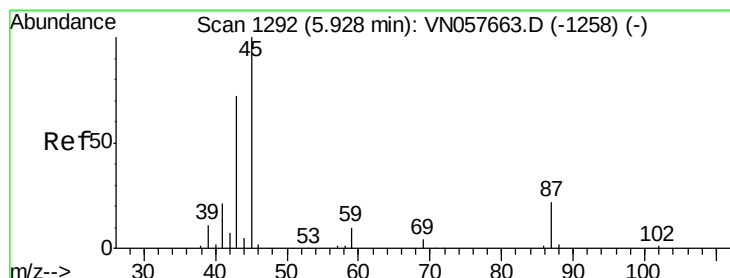
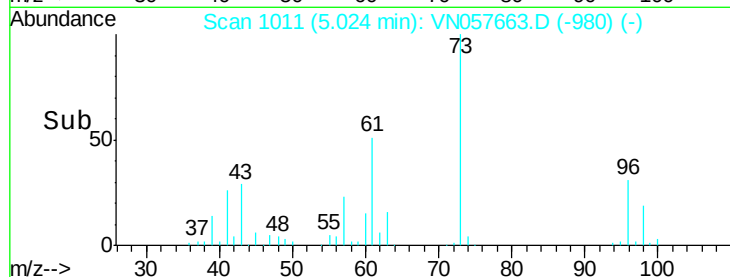
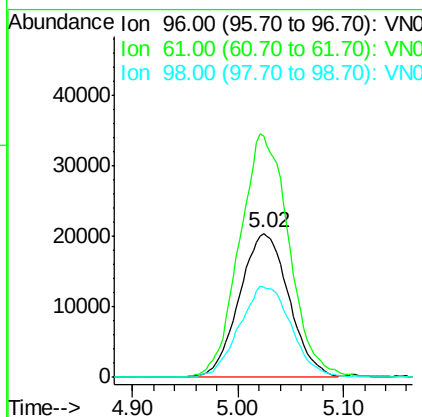
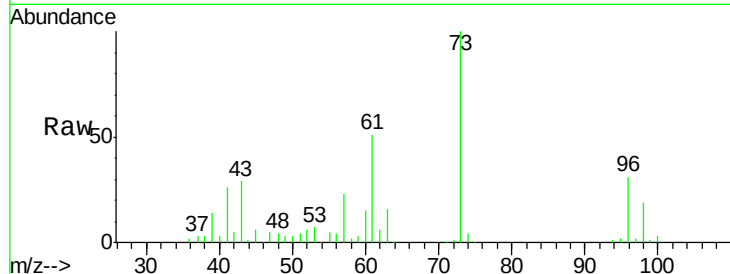
#19
trans-1,2-Dichloroethene
Concen: 22.458 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	166.7	133.4	200.0
98	63.0	50.4	75.6

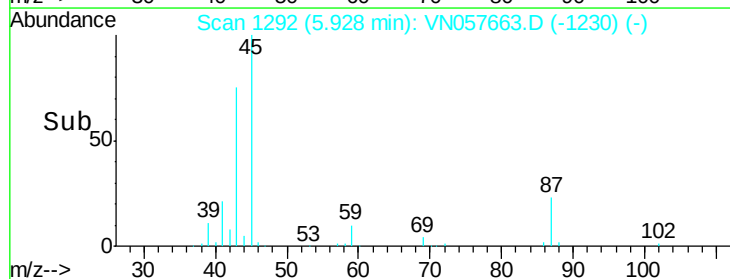
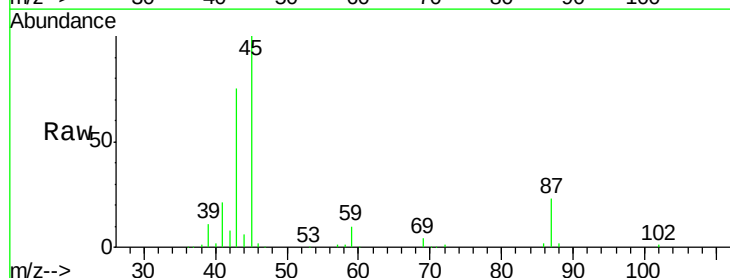
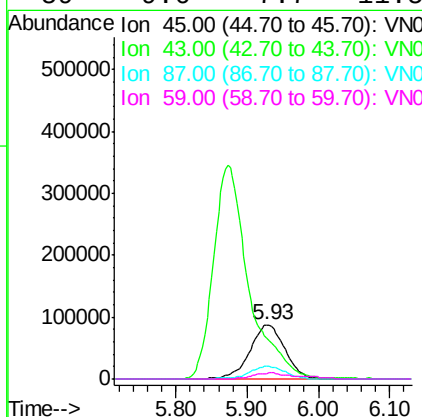
Manual Integrations
APPROVED

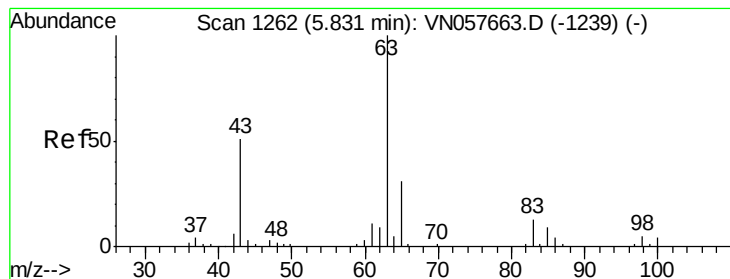
MMDadoda
9/5/2019 3:20:54 PM



#20
Diisopropyl ether
Concen: 30.436 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Tgt Ion	Ratio	Lower	Upper
45	100		
43	72.9	58.3	87.5
87	23.1	18.5	27.7
59	9.6	7.7	11.5





#21

1,1-Dichloroethane

Concen: 26.110 ug/l

RT: 5.83 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

Instrument :

MSVOA_N

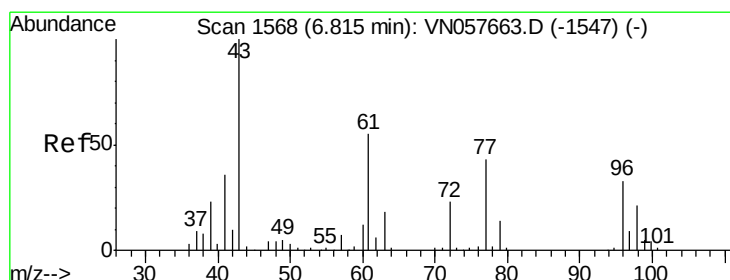
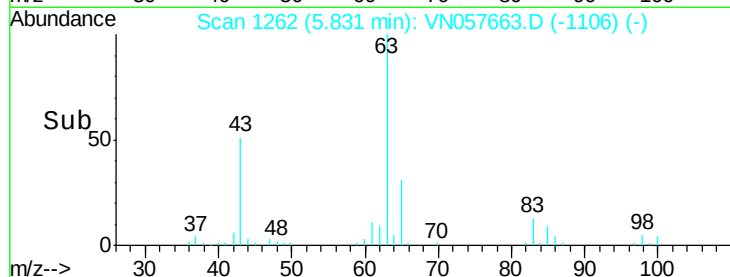
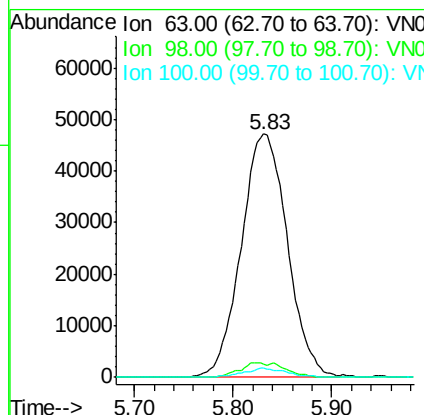
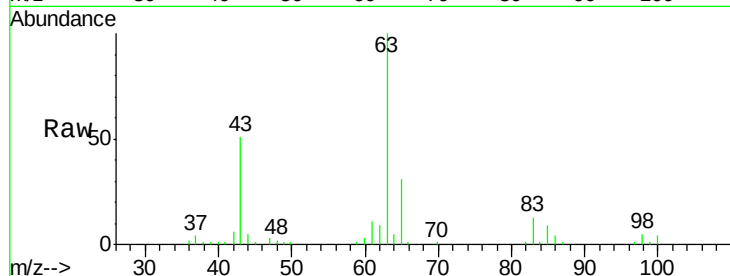
ClientSampled :

VSTDICCC020

Tot Ion:	63	Resp:	153003
Ion	Ratio	Lower	Upper
63	100		
98	5.2	2.6	7.8
100	3.7	1.8	5.5

Manual Integrations
APPROVED

MMDadoda
9/5/2019 3:20:54 PM



#22

cis-1,2-Dichloroethene

Concen: 21.322 ug/l

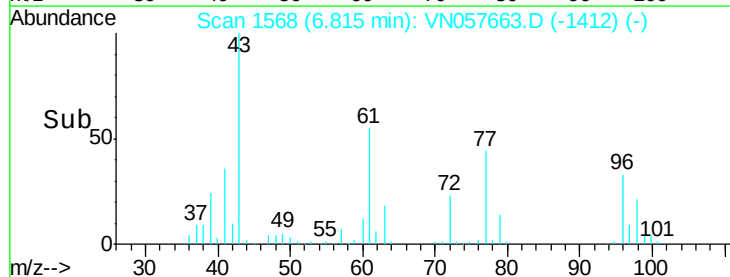
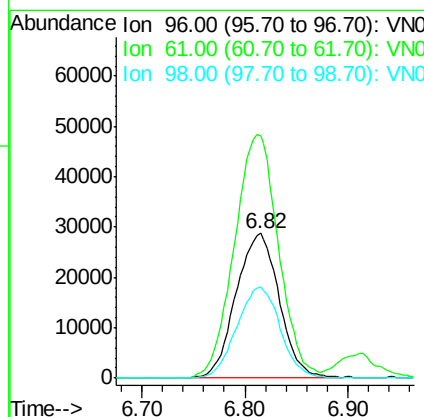
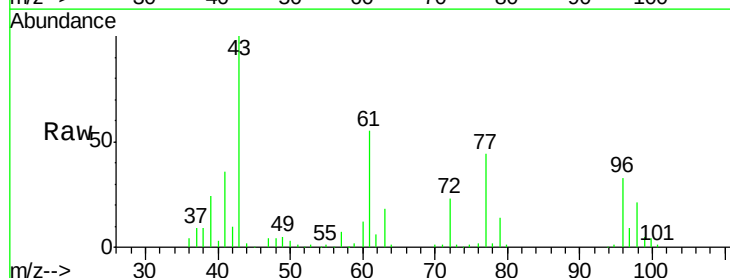
RT: 6.82 min Scan# 1568

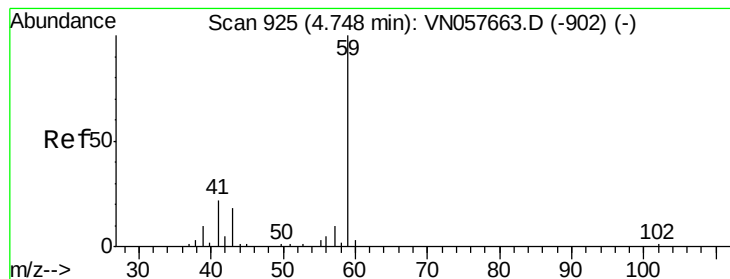
Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

Tgt Ion:	96	Resp:	83694
Ion	Ratio	Lower	Upper
96	100		
61	171.5	137.2	205.8
98	63.1	50.5	75.7





#23

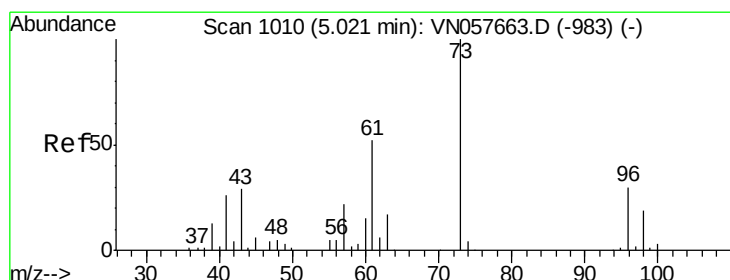
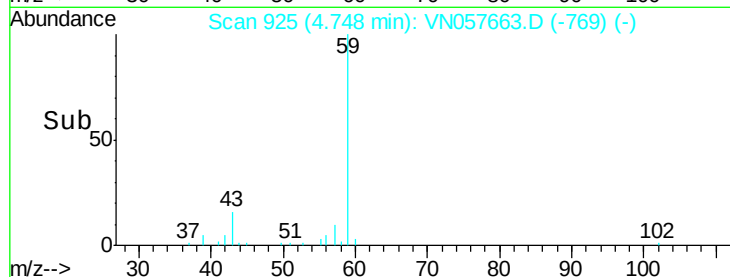
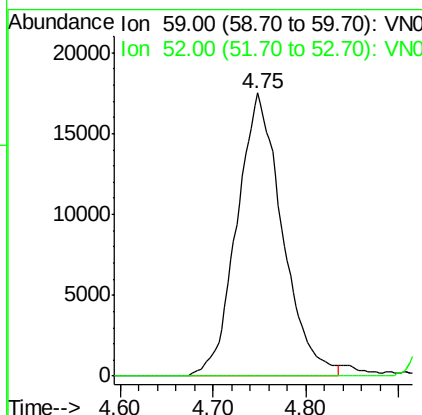
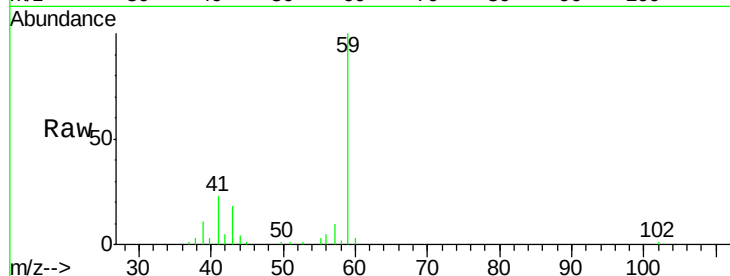
tert-Butyl Alcohol
 Concen: 137.473 ug/l
 RT: 4.75 min Scan# 925
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

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

Manual Integrations
 APPROVED

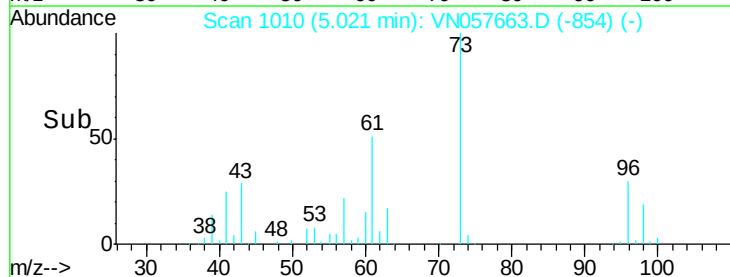
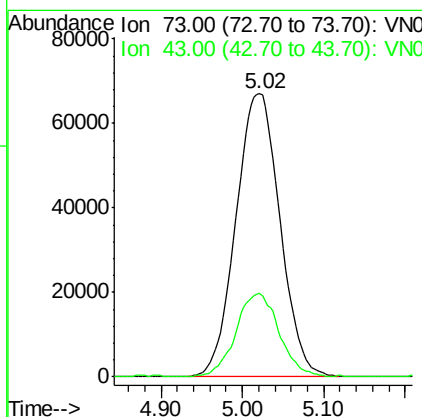
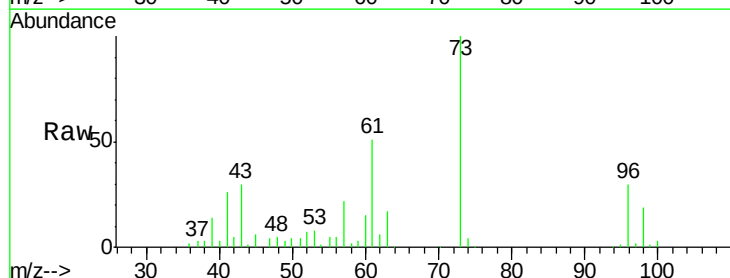
MMDadoda
 9/5/2019 3:20:54 PM

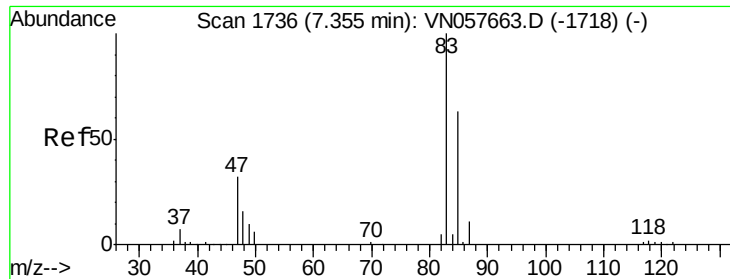


#24

Methyl tert-Butyl Ether
 Concen: 25.357 ug/l
 RT: 5.02 min Scan# 1010
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

Tgt Ion	73	43	Ratio	Lower	Upper
73	100				
43	29.0		23.2	34.8	





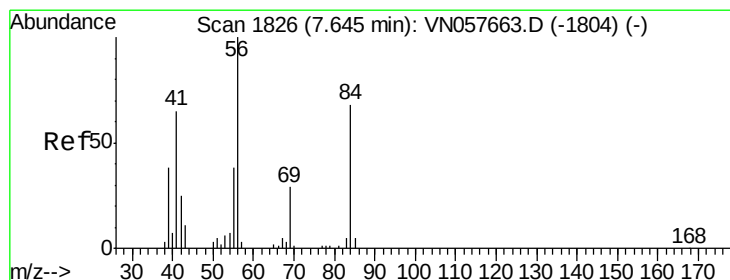
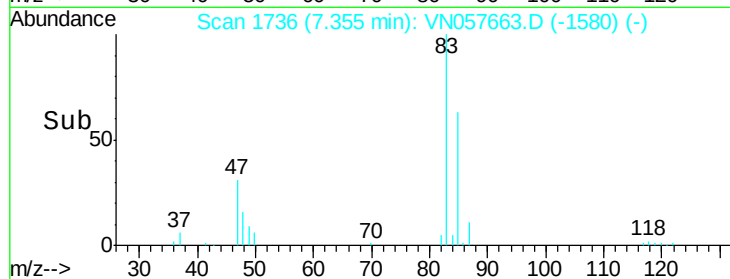
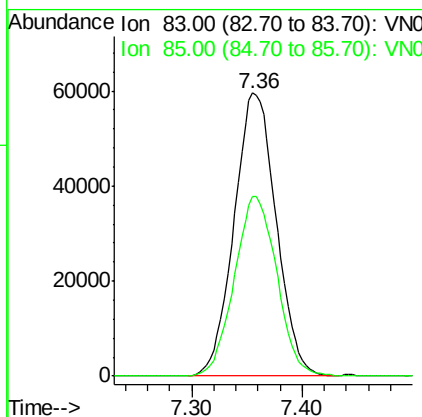
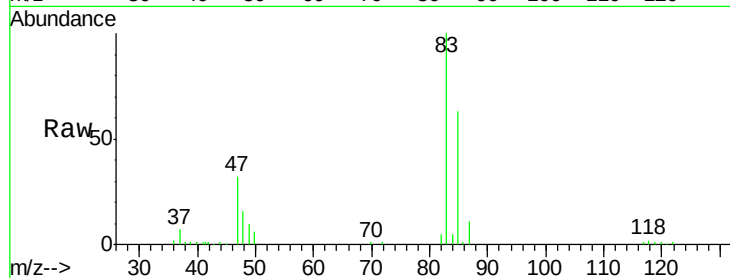
#25
Chloroform
Concen: 22.913 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	83	Resp	157632
Ion Ratio	100	Lower	Upper
83	100		
85	63.5	50.8	76.2

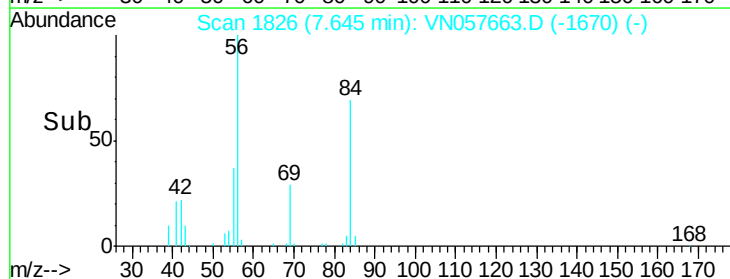
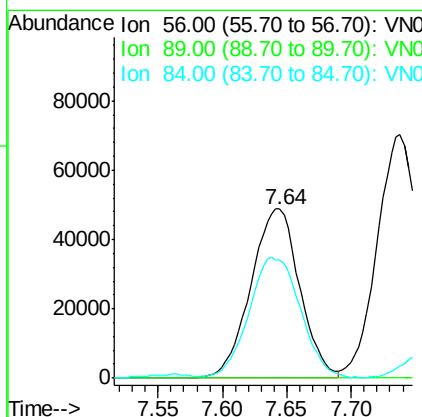
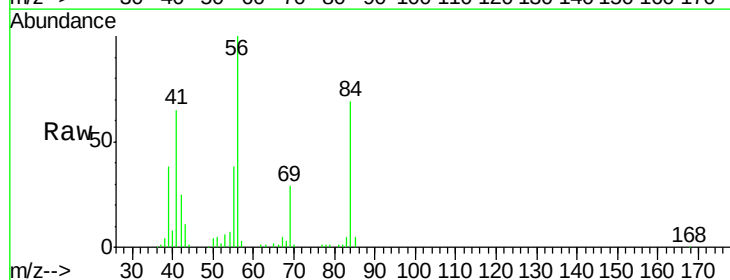
Manual Integrations
APPROVED

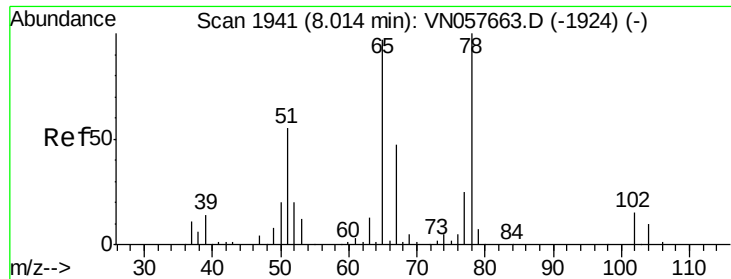
MMDadoda
9/5/2019 3:20:54 PM



#26
Cyclohexane
Concen: 26.370 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Tgt Ion	56	Resp	128964
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	75.5	60.4	90.6





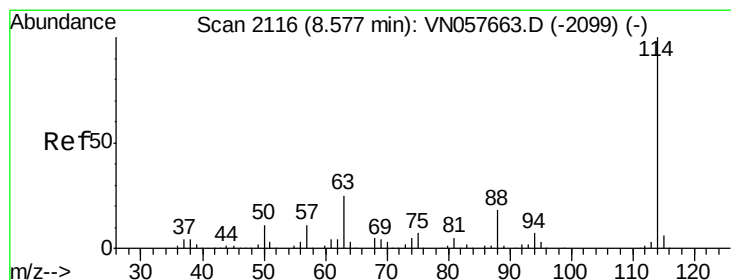
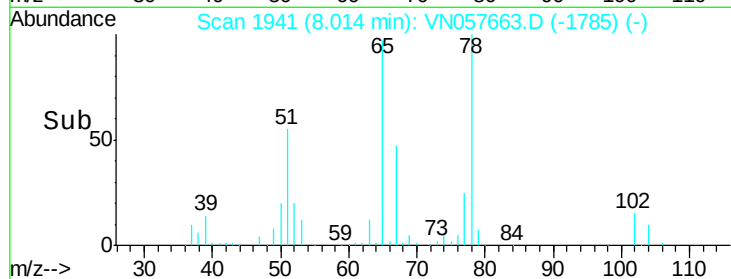
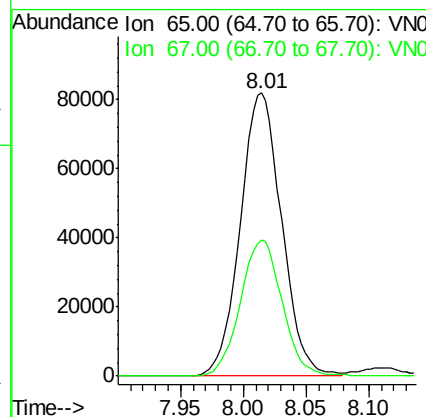
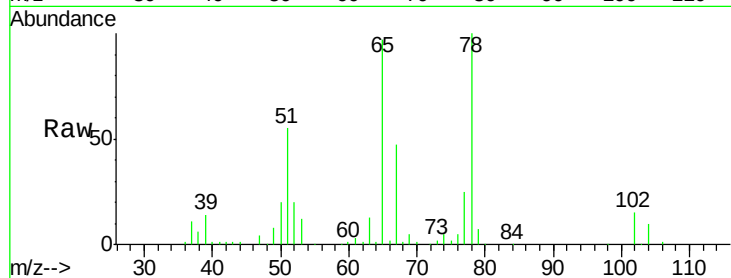
#27
 1,2-Dichloroethane-d4
 Concen: 39.730 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion: 65 Resp: 187870
 Ion Ratio Lower Upper
 65 100
 67 48.2 38.6 57.8

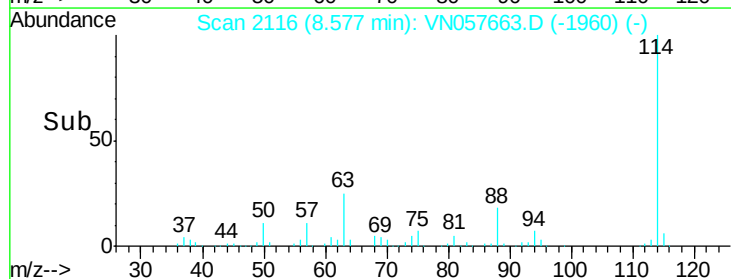
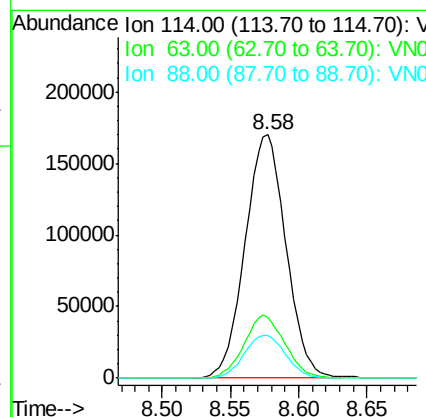
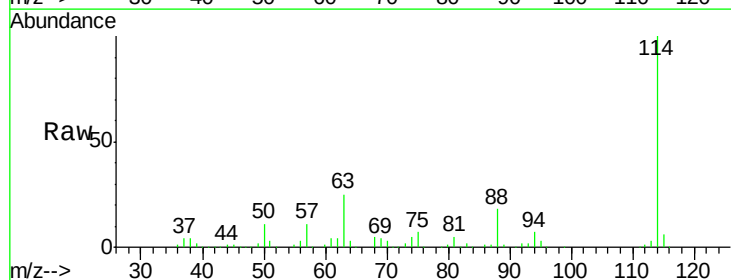
Manual Integrations
 APPROVED

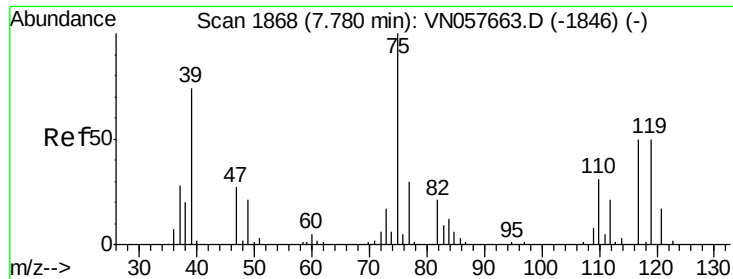
MMDadoda
 9/5/2019 3:20:54 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

Tgt Ion: 114 Resp: 353932
 Ion Ratio Lower Upper
 114 100
 63 25.7 20.6 30.8
 88 17.9 14.3 21.5





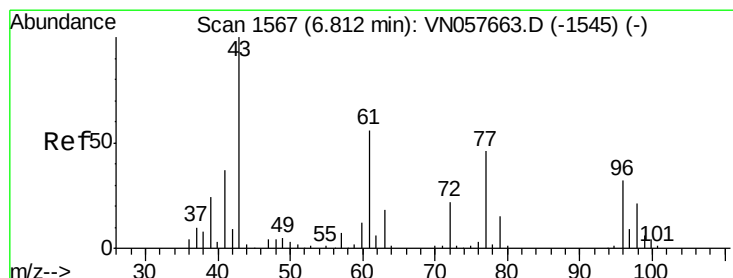
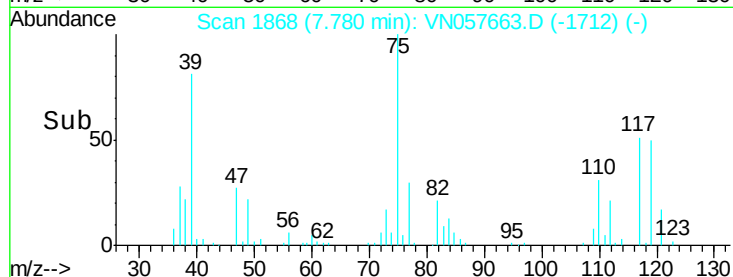
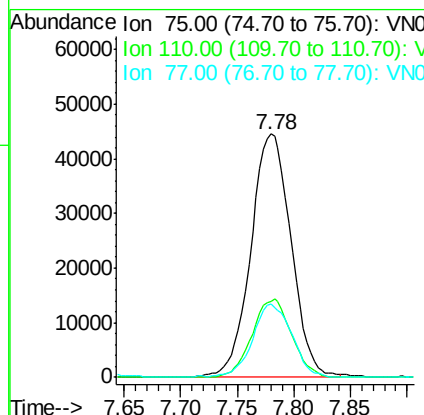
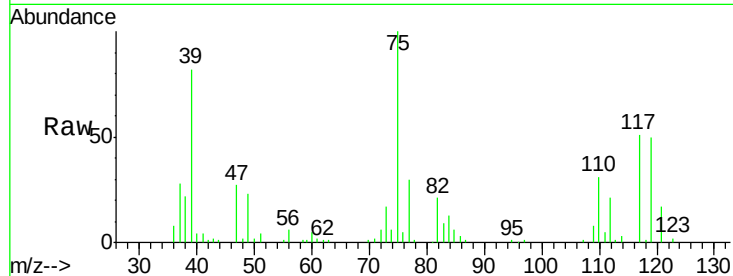
#29
 1,1-Dichloropropene
 Concen: 22.401 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
110	31.4	0.0	62.8
77	28.9	0.0	57.8

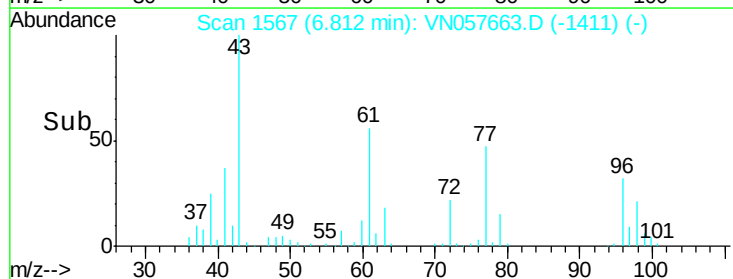
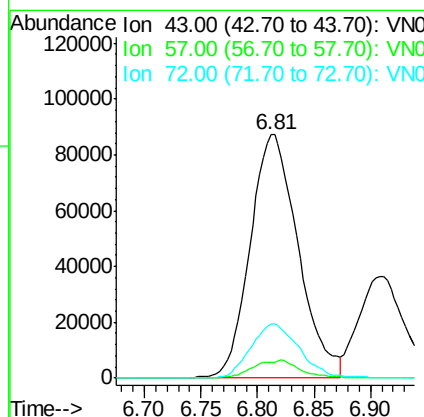
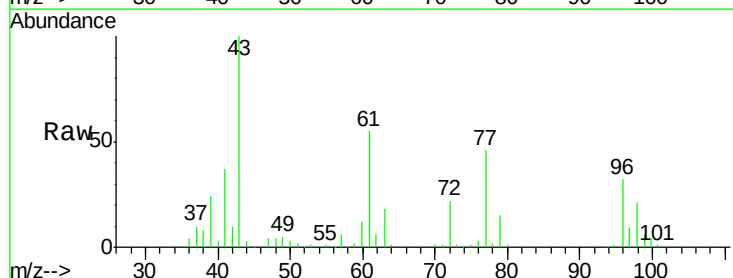
Manual Integrations
 APPROVED

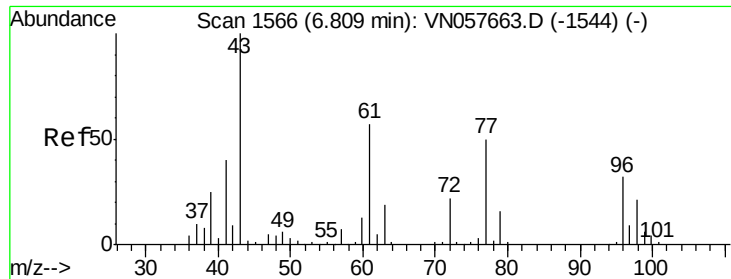
MMDadoda
 9/5/2019 3:20:54 PM



#30
 2-Butanone
 Concen: 147.484 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

Tgt Ion	Ratio	Lower	Upper
43	100		
57	3.2	2.6	3.8
72	22.6	18.1	27.1





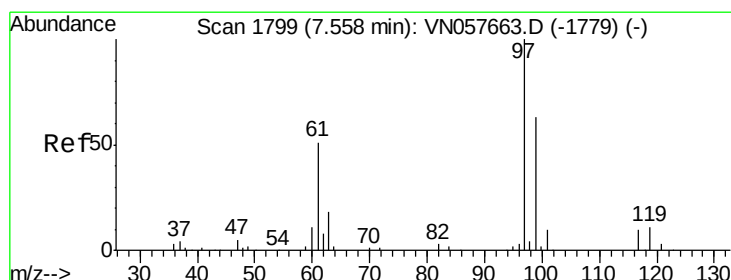
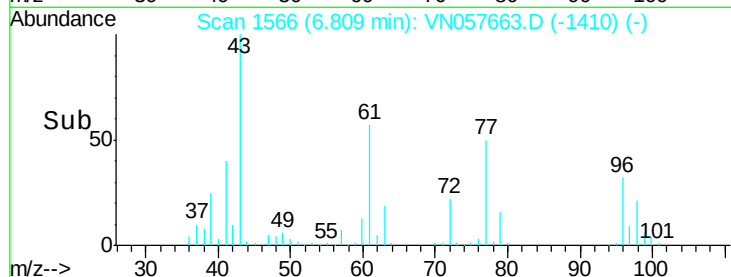
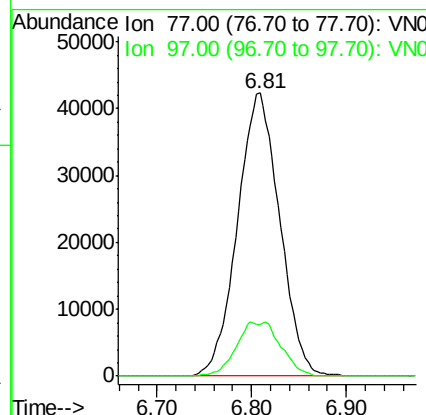
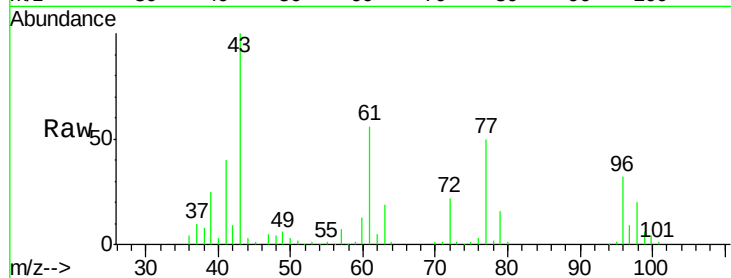
#31
 2,2-Dichloropropane
 Concen: 22.244 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
77	100		
97	11.0	8.8	13.2

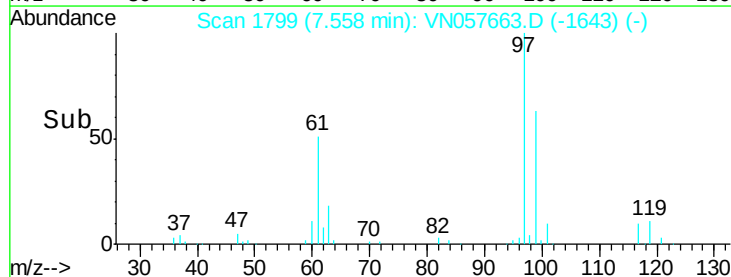
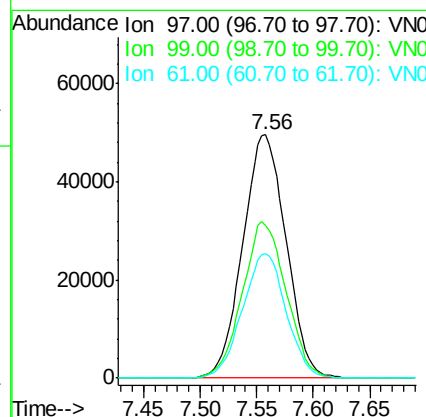
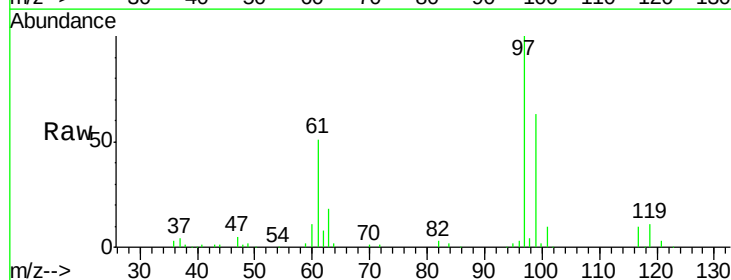
Manual Integrations
 APPROVED

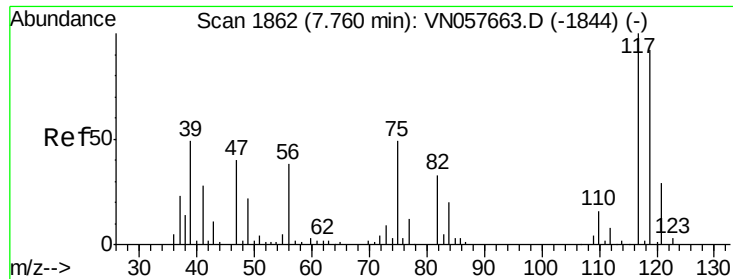
MMDadoda
 9/5/2019 3:20:54 PM



#32
 1,1,1-Trichloroethane
 Concen: 20.454 ug/l
 RT: 7.56 min Scan# 1799
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.9	77.9
61	51.7	41.4	62.0





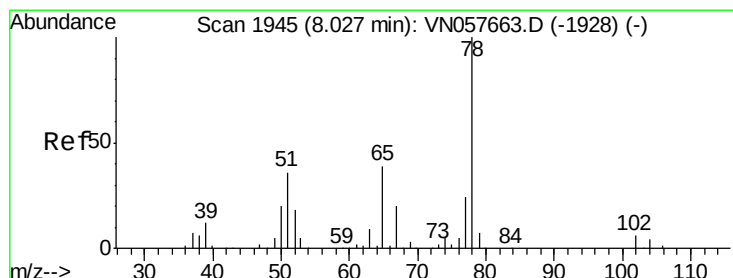
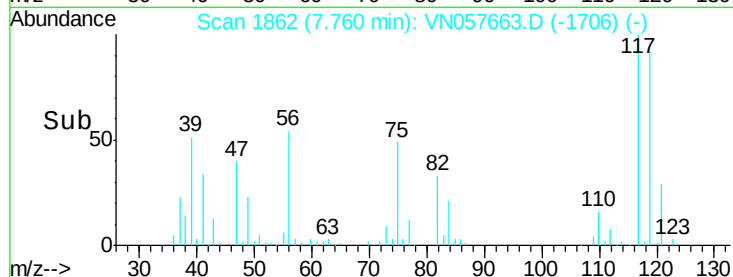
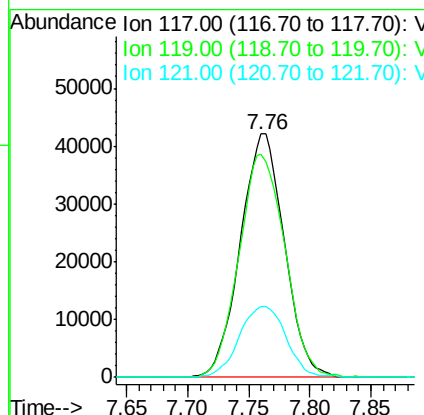
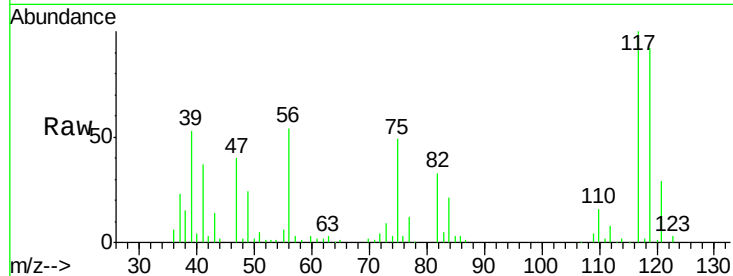
#33
Carbon Tetrachloride
Concen: 19.356 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	105108		
119	91.6	73.3	109.9	
121	29.1	23.3	34.9	

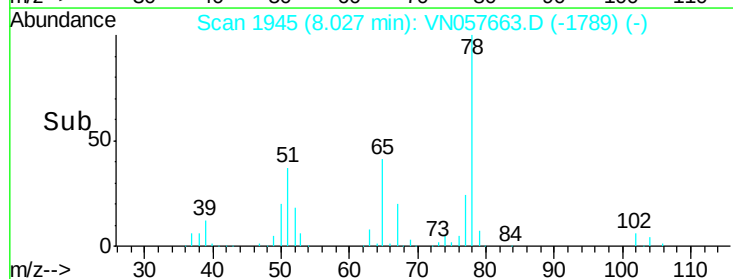
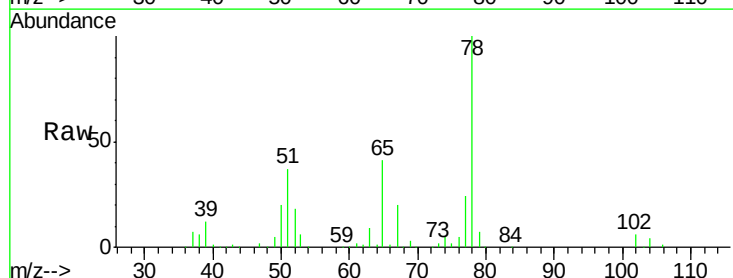
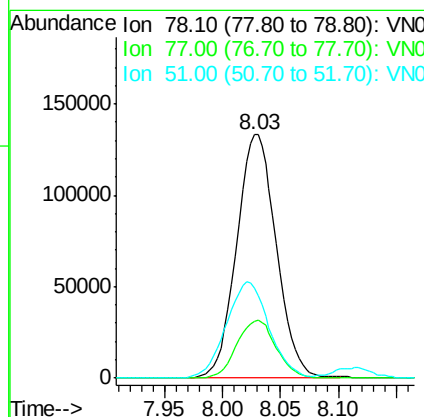
Manual Integrations
APPROVED

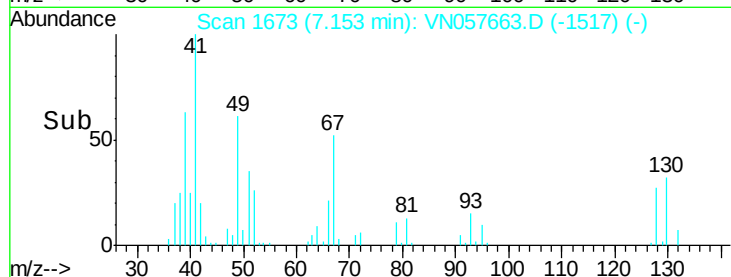
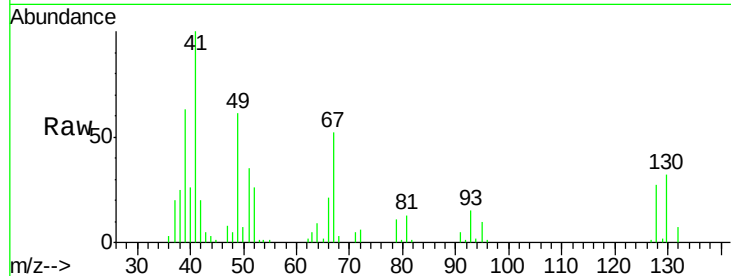
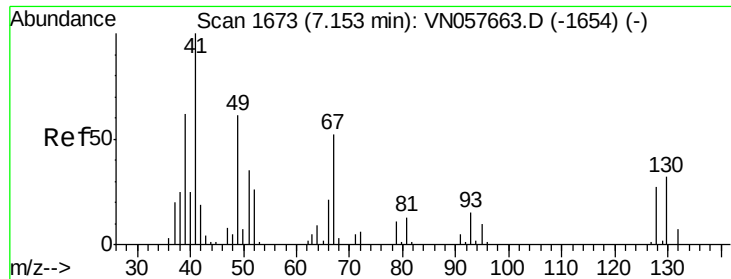
MMDadoda
9/5/2019 3:20:54 PM



#34
Benzene
Concen: 21.674 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	316345		
77	23.5	18.8	28.2	
51	36.3	29.0	43.6	





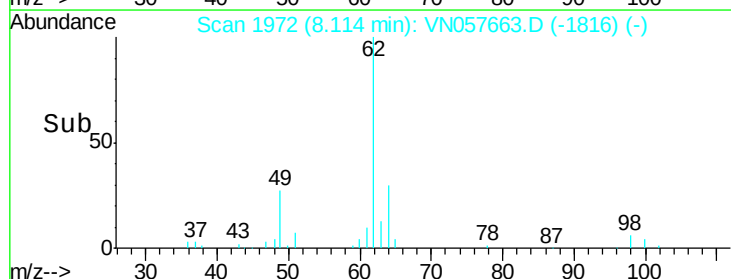
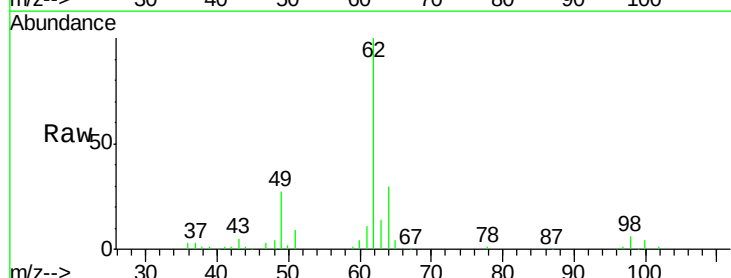
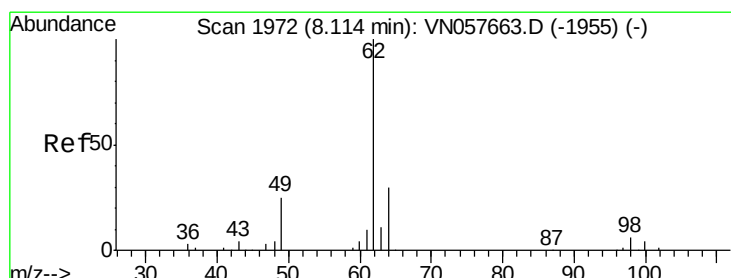
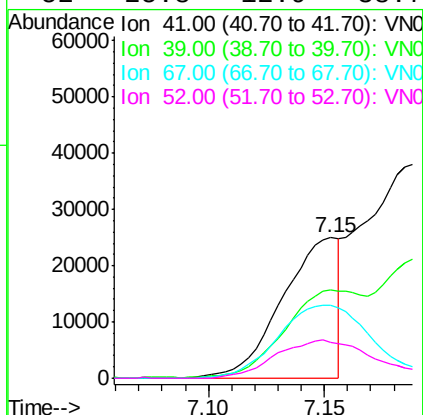
#35
Methacrylonitrile
Concen: 25.617 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	41.00	100	42441		
39	39.00	62.0		31.0	93.0
67	67.00	51.8		25.9	77.7
52	52.00	25.8		12.9	38.7

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

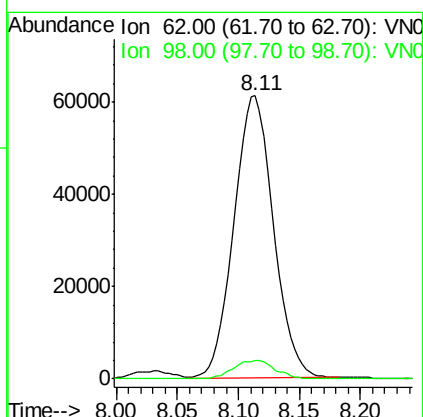
Manual Integrations
APPROVED

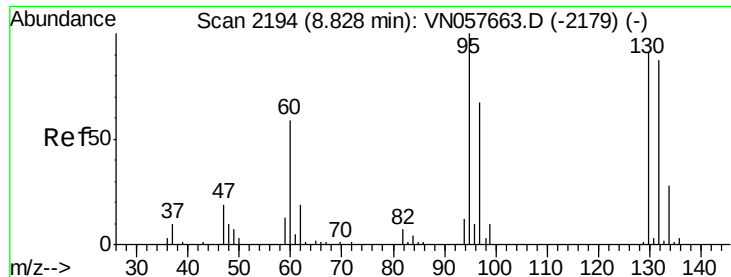
MMDadoda
9/5/2019 3:20:54 PM



#36
1,2-Dichloroethane
Concen: 24.656 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	62.00	100	137086		
98	98.00	0.0		0.0	0.0





#37

Trichloroethene

Concen: 18.159 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

Tot Ion: 130 Resp: 73801

Ion Ratio Lower Upper

130 100

95 109.4 87.5 131.3

Instrument :

MSVOA_N

ClientSampleId :

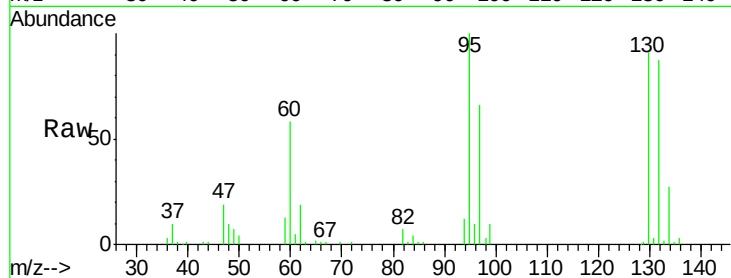
VSTDICCC020

Manual Integrations

APPROVED

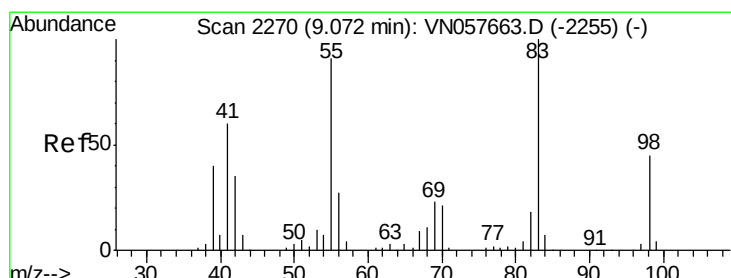
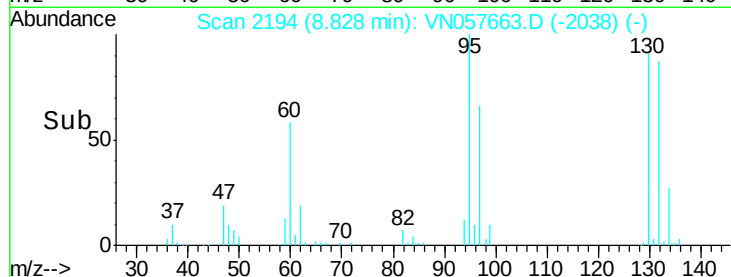
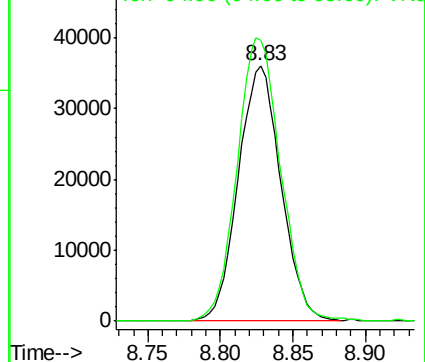
MMDadoda

9/5/2019 3:20:54 PM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 20.486 ug/l

RT: 9.07 min Scan# 2270

Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

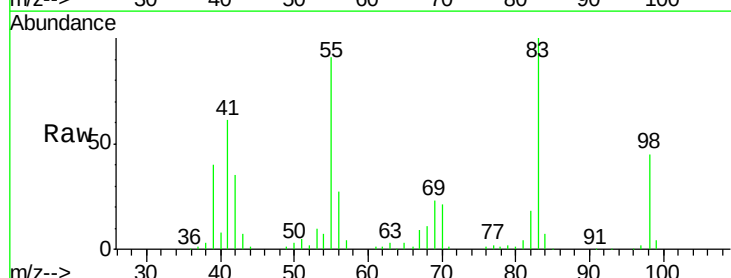
Tgt Ion: 83 Resp: 119482

Ion Ratio Lower Upper

83 100

55 90.2 45.1 135.3

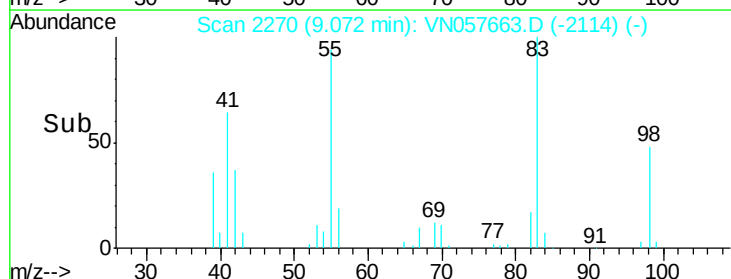
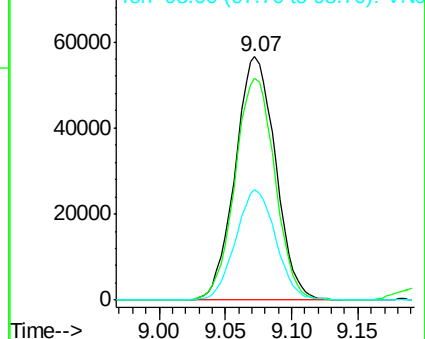
98 45.0 22.5 67.5

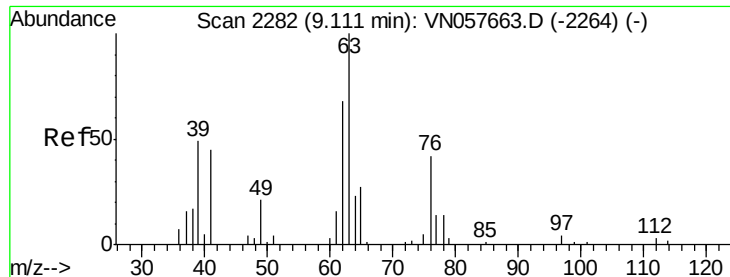


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN





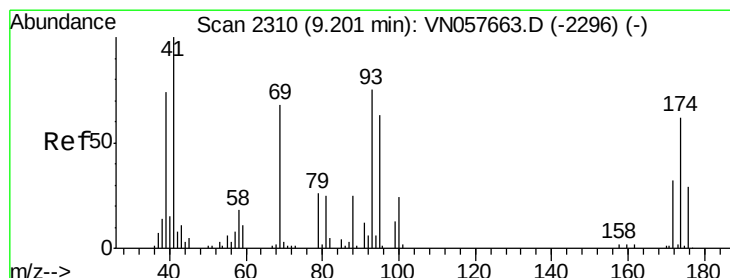
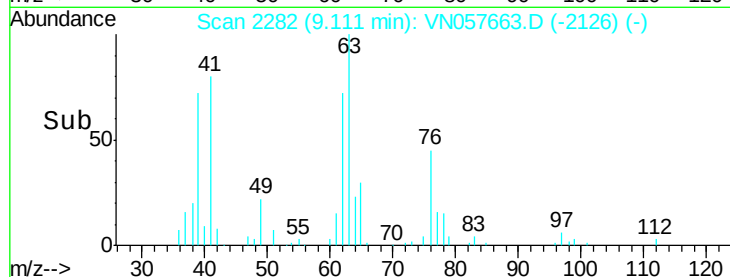
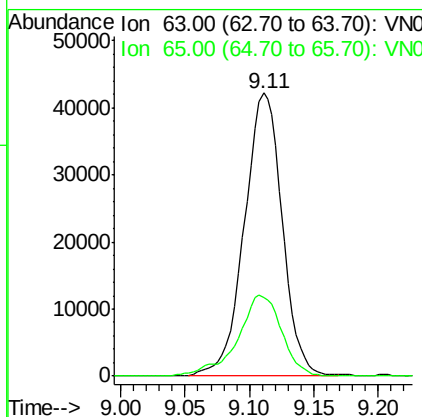
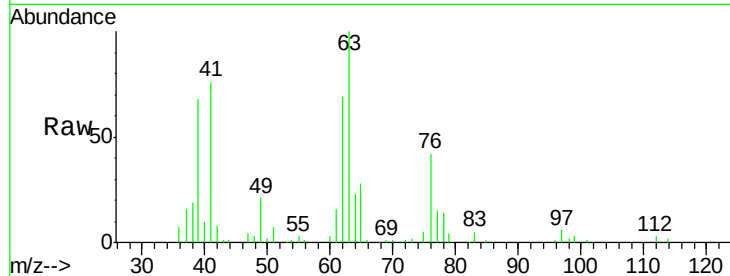
#39
 1,2-Dichloropropane
 Concen: 23.591 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion: 63 Resp: 86647
 Ion Ratio Lower Upper
 63 100
 65 27.7 22.2 33.2

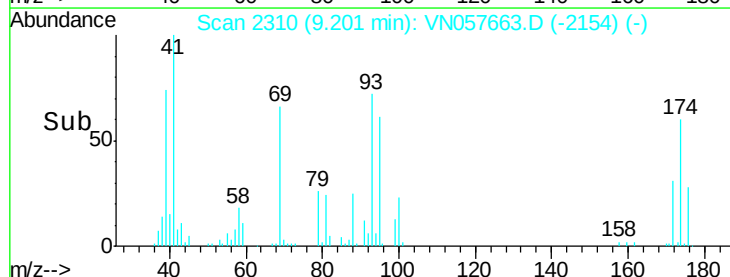
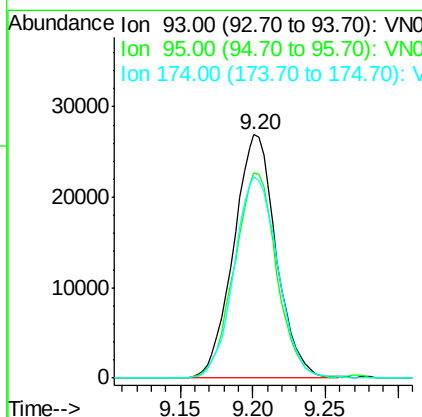
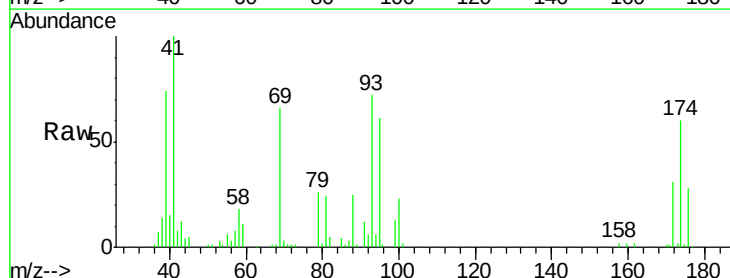
Manual Integrations
 APPROVED

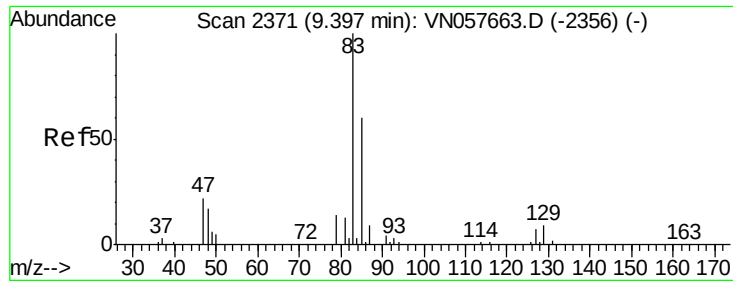
MMDadoda
 9/5/2019 3:20:54 PM



#40
 Dibromomethane
 Concen: 20.247 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

Tgt Ion: 93 Resp: 54728
 Ion Ratio Lower Upper
 93 100
 95 84.1 0.0 168.2
 174 84.6 0.0 169.2





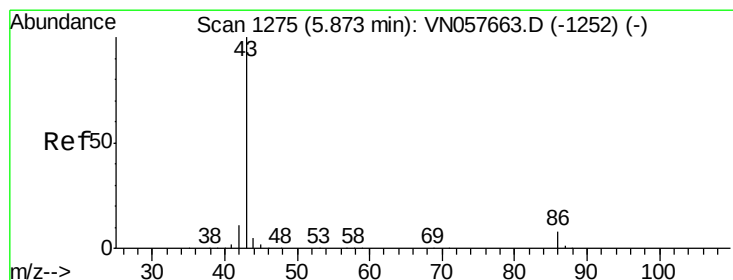
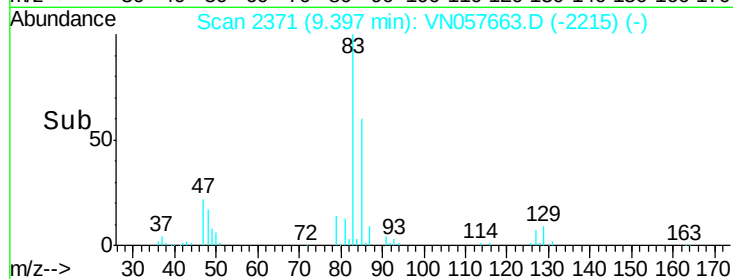
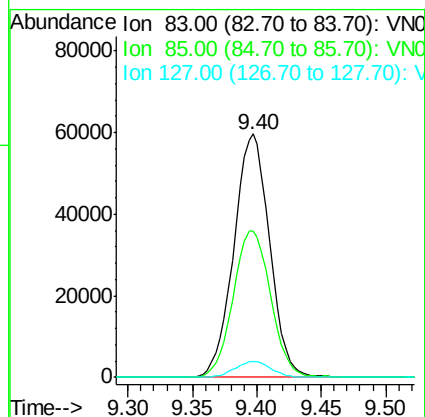
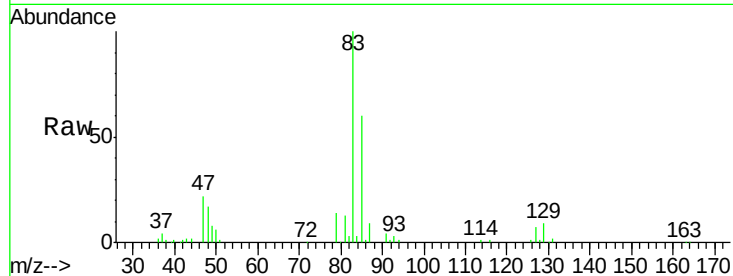
#41
 Bromodichloromethane
 Concen: 20.601 ug/l
 RT: 9.40 min Scan# 2371
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	83	Resp	115121
Ion	Ratio	Lower	Upper
83	100		
85	60.3	48.2	72.4
127	6.6	5.3	7.9

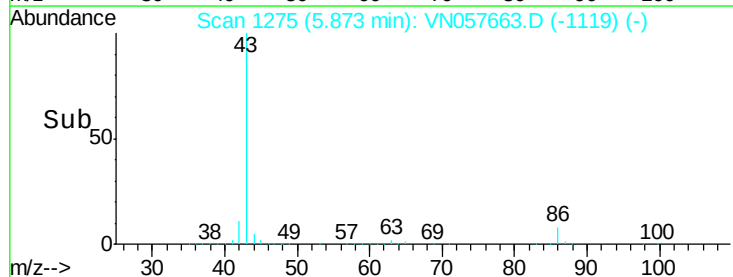
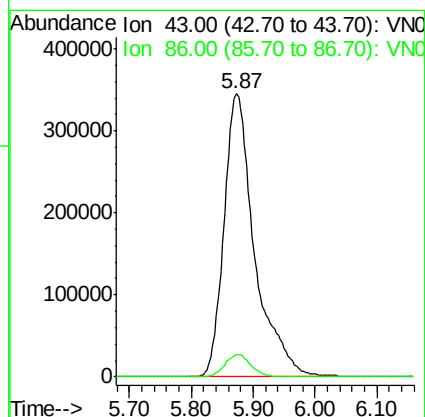
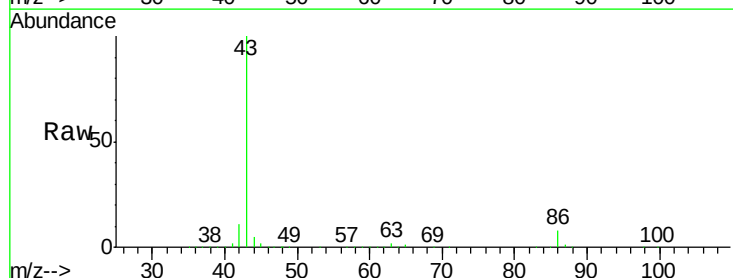
Manual Integrations
 APPROVED

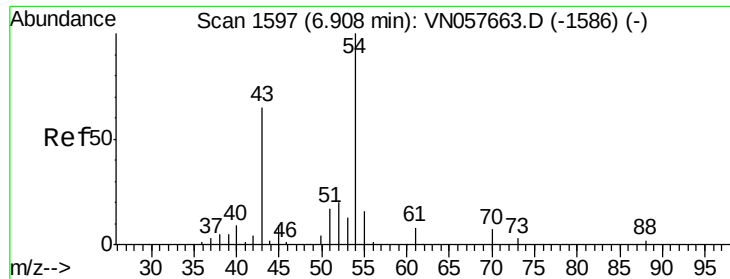
MMDadoda
 9/5/2019 3:20:54 PM



#42
 Vinyl Acetate
 Concen: 152.687 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

Tgt Ion	43	Resp	1186359
Ion	Ratio	Lower	Upper
43	100		
86	6.8	5.4	8.2





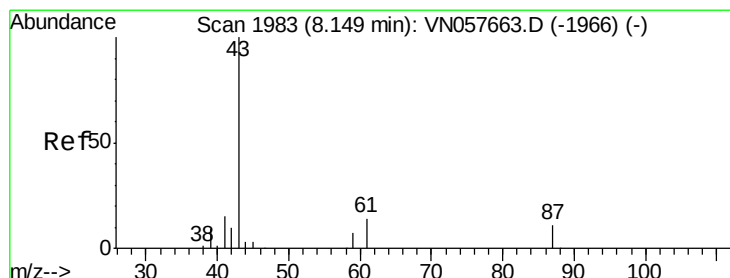
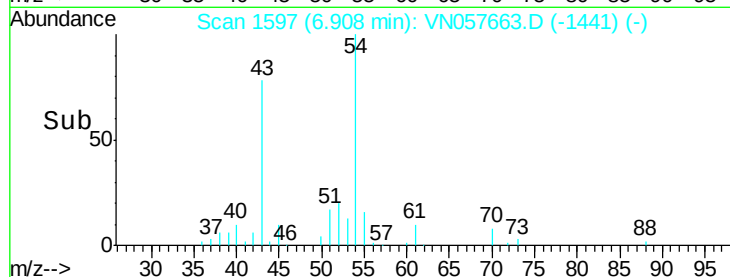
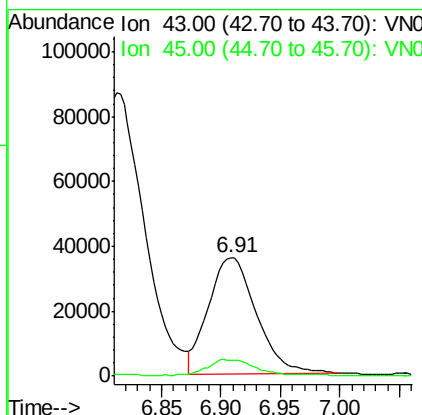
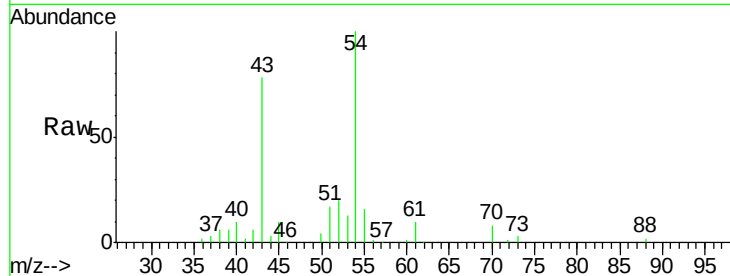
#43
Ethyl Acetate
Concen: 29.874 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion: 43 Resp: 100473
Ion Ratio Lower Upper
43 100
45 6.3 5.0 7.6

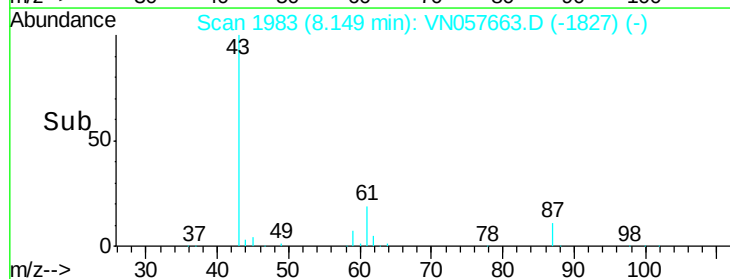
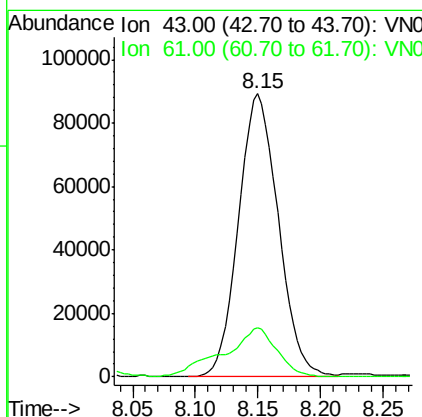
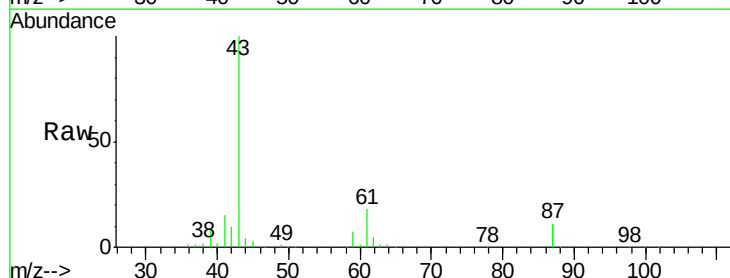
Manual Integrations
APPROVED

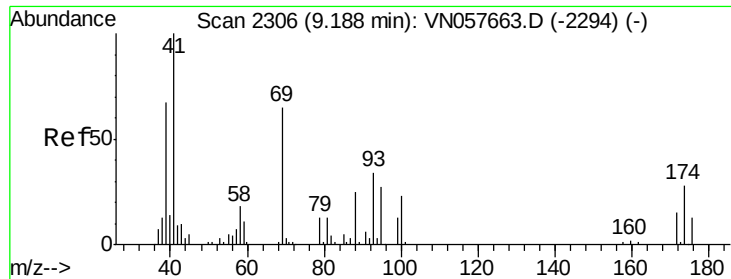
MMDadoda
9/5/2019 3:20:54 PM



#44
Isopropyl Acetate
Concen: 29.271 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Tgt Ion: 43 Resp: 196192
Ion Ratio Lower Upper
43 100
61 15.7 12.6 18.8





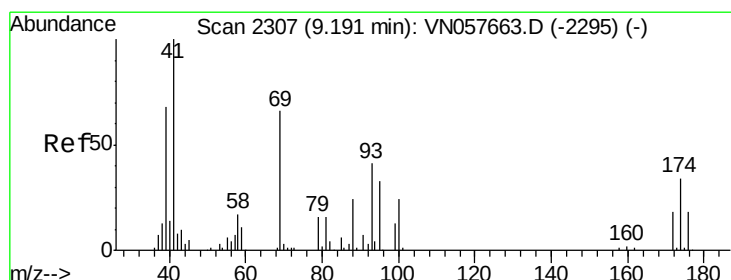
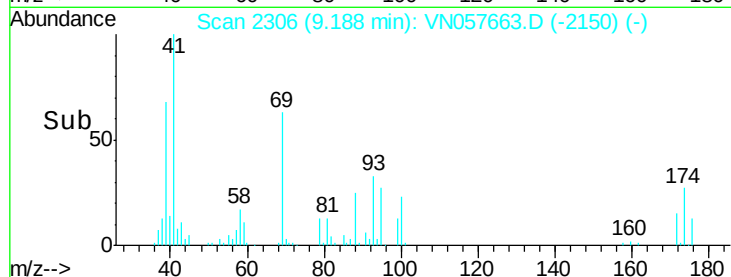
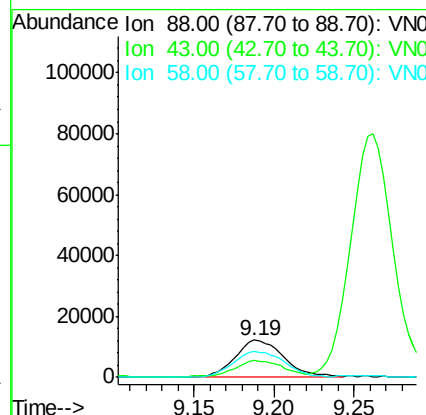
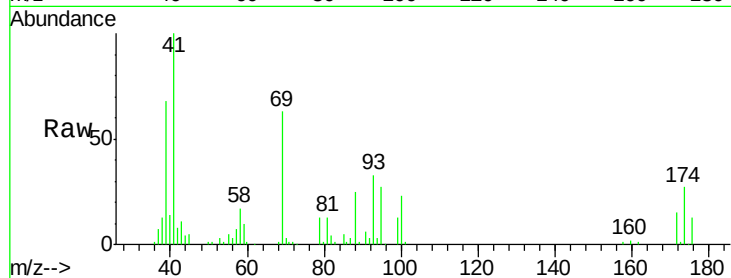
#45
 1,4-Dioxane
 Concen: 475.324 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.7	31.0	46.4
58	72.7	58.2	87.2

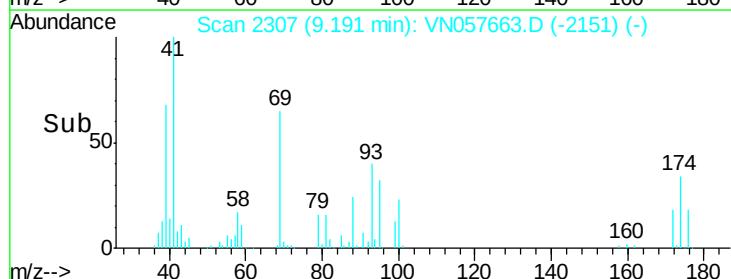
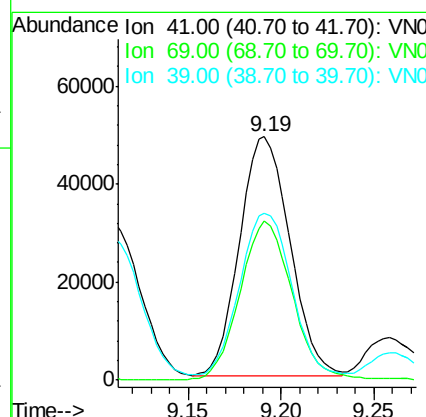
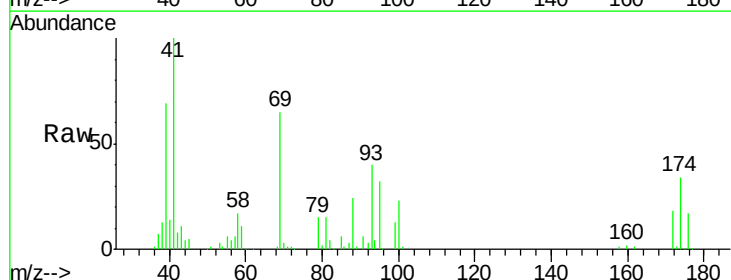
Manual Integrations
 APPROVED

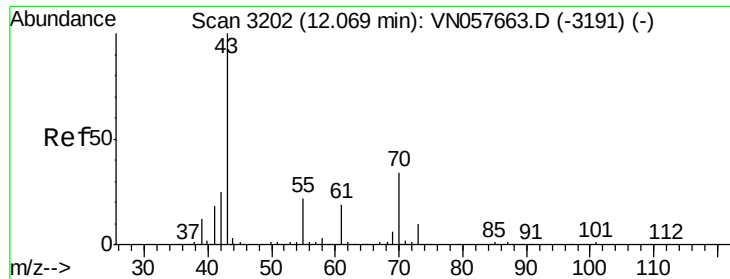
MMDadoda
 9/5/2019 3:20:54 PM



#46
 Methyl methacrylate
 Concen: 29.712 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

Tgt Ion	Ratio	Lower	Upper
41	100		
69	66.1	33.1	99.2
39	68.0	34.0	102.0





#47

n-amvl Acetate

Concen: 25.630 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

Tot Ion: 43 Resp: 136839

Ion Ratio Lower Upper

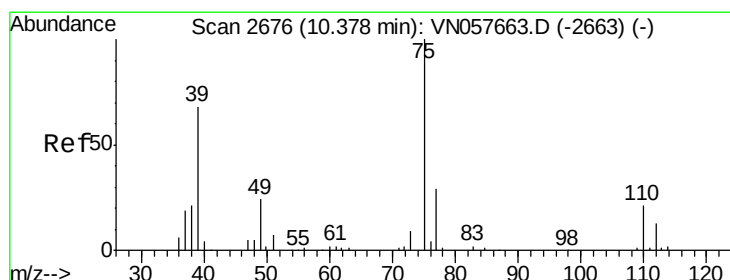
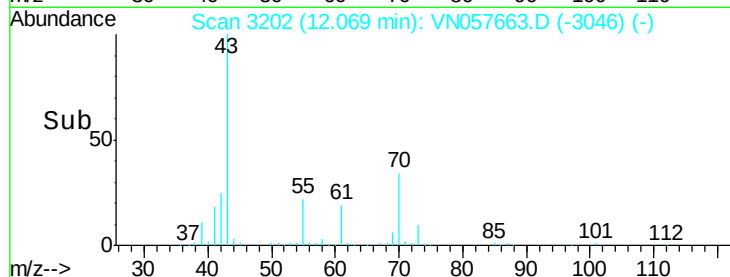
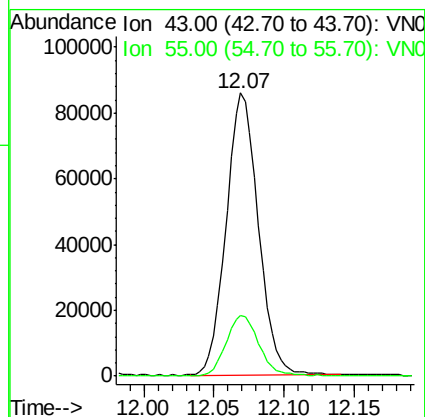
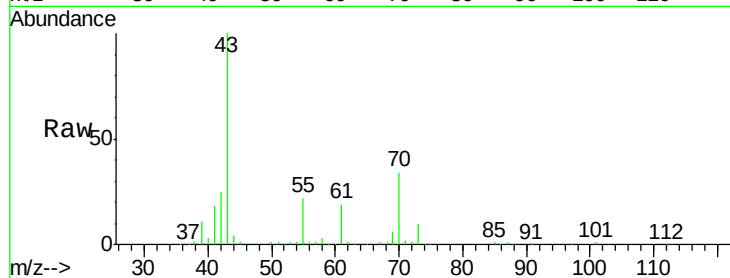
43 100

55 21.9 17.5 26.3

Manual Integrations
APPROVED

MMDadoda

9/5/2019 3:20:54 PM



#48

t-1,3-Dichloropropene

Concen: 21.331 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN057663.D

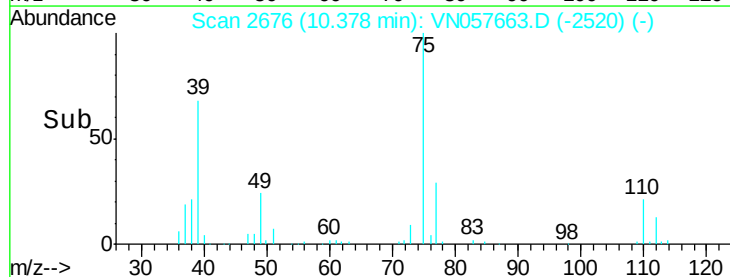
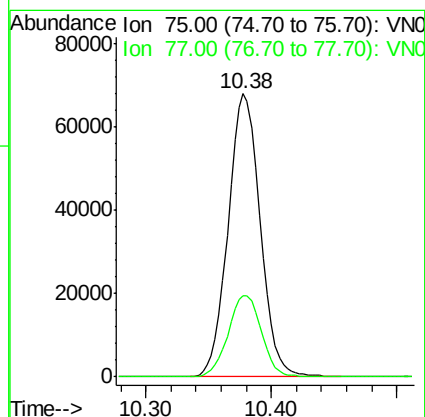
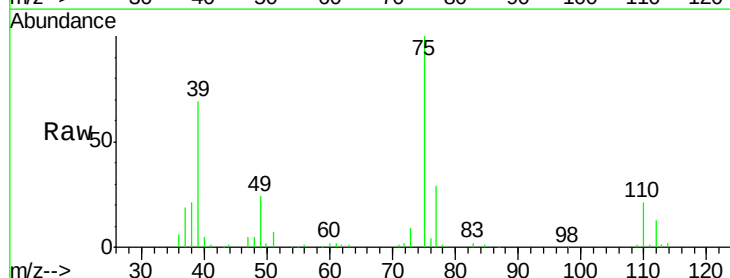
Acq: 3 Sep 2019 15:14

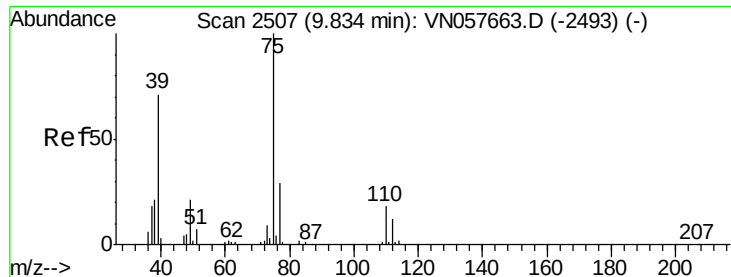
Tgt Ion: 75 Resp: 120425

Ion Ratio Lower Upper

75 100

77 28.9 23.1 34.7





#49

cis-1,3-Dichloropropene

Concen: 21.468 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

Instrument :

MSVOA_N

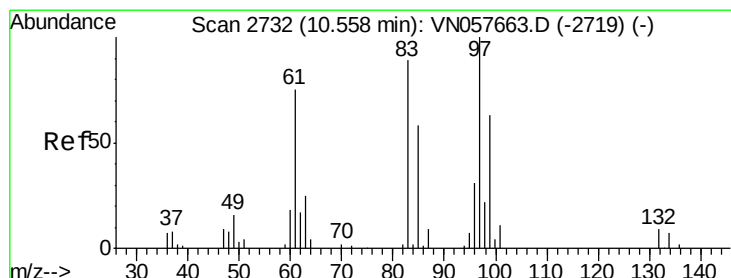
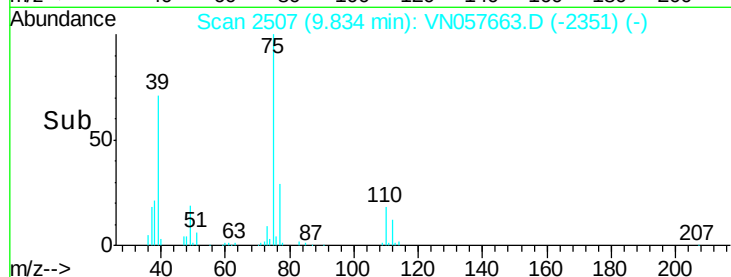
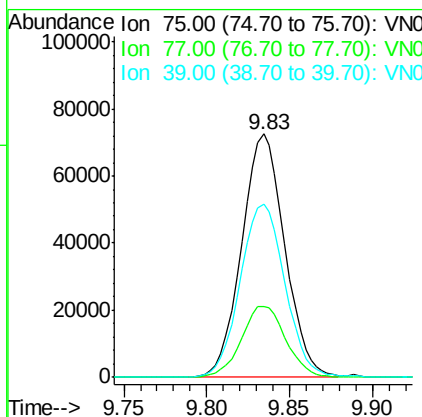
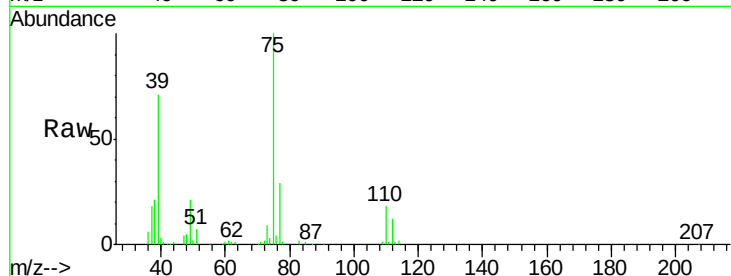
ClientSampleId :

VSTDICCC020

Tot Ion:	75	Resp:	130749
Ion	Ratio	Lower	Upper
75	100		
77	29.3	23.4	35.2
39	70.8	56.6	85.0

Manual Integrations
APPROVED

MMDadoda
9/5/2019 3:20:54 PM



#50

1,1,2-Trichloroethane

Concen: 19.265 ug/l

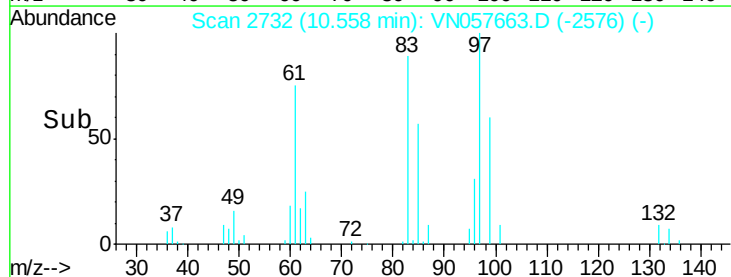
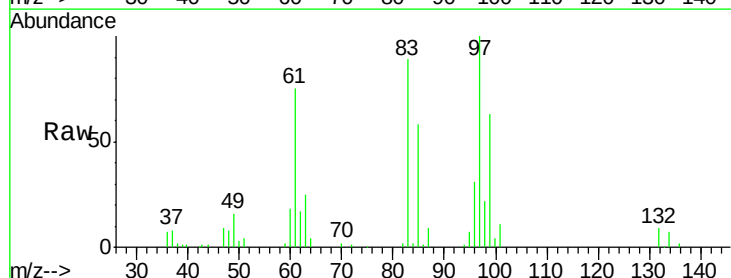
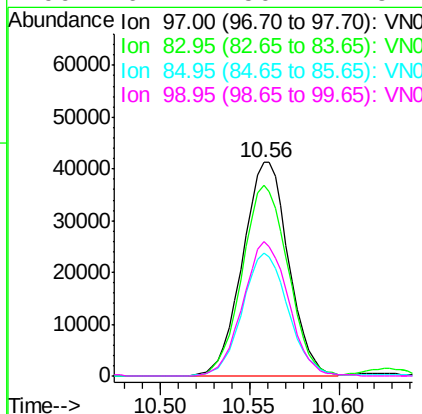
RT: 10.56 min Scan# 2732

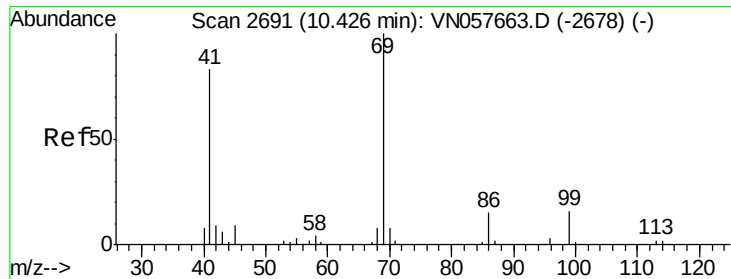
Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

Tgt Ion:	97	Resp:	74378
Ion	Ratio	Lower	Upper
97	100		
83	89.3	71.4	107.2
85	57.5	46.0	69.0
99	62.7	50.2	75.2





#51

Ethyl methacrylate

Concen: 22.008 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

Instrument :

MSVOA_N

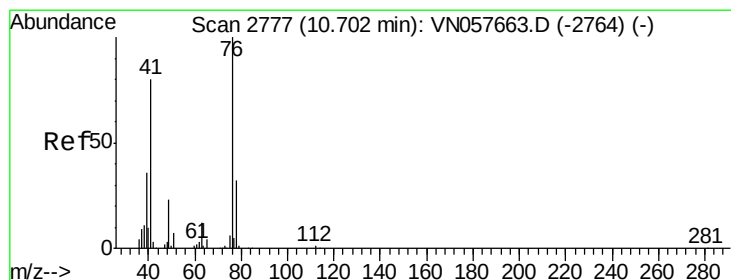
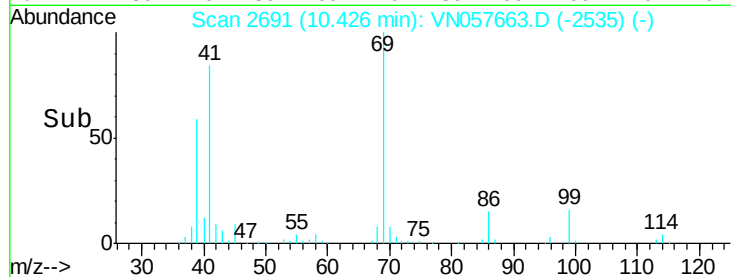
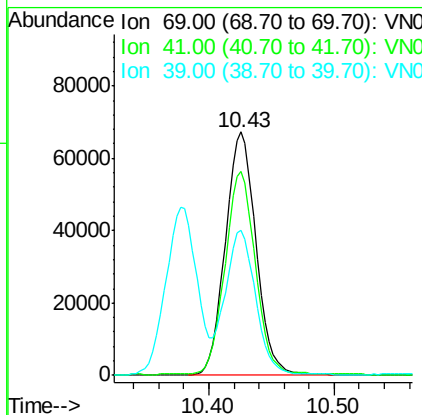
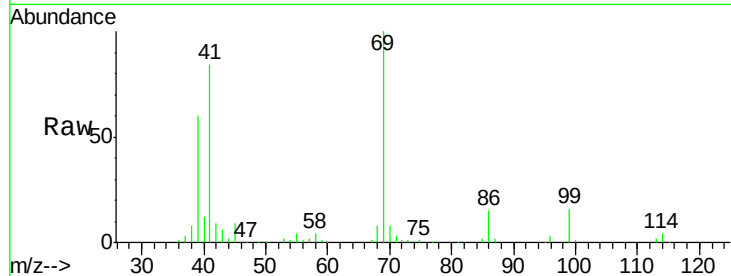
ClientSampled :

VSTDICCC020

Tot Ion:	69	Resp:	114891
Ion Ratio	Lower	Upper	
69	100		
41	83.0	41.5	124.5
39	59.3	29.6	88.9

Manual Integrations
APPROVED

MMDadoda
9/5/2019 3:20:54 PM



#52

1,3-Dichloropropane

Concen: 21.643 ug/l

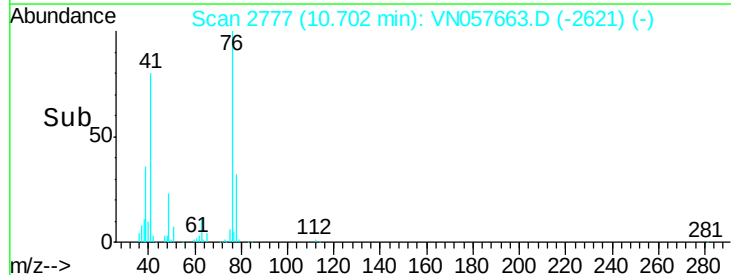
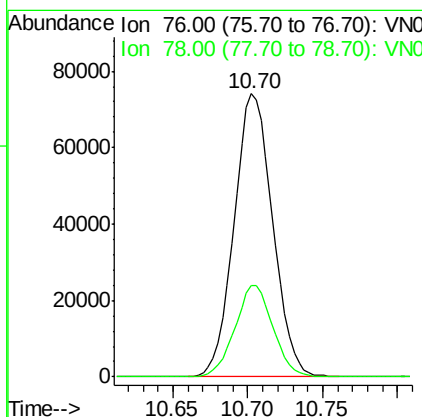
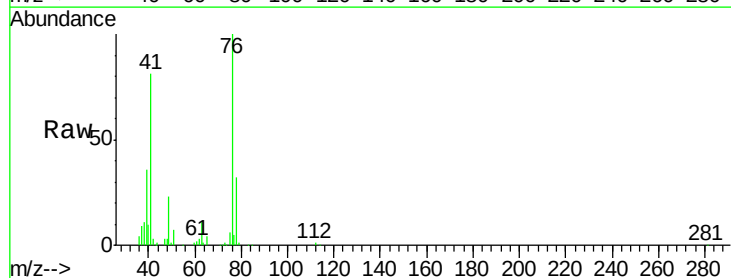
RT: 10.70 min Scan# 2777

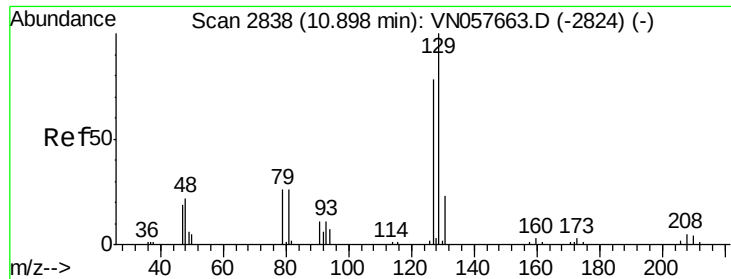
Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

Tgt Ion:	76	Resp:	132984
Ion Ratio	Lower	Upper	
76	100		
78	31.9	0.0	63.8





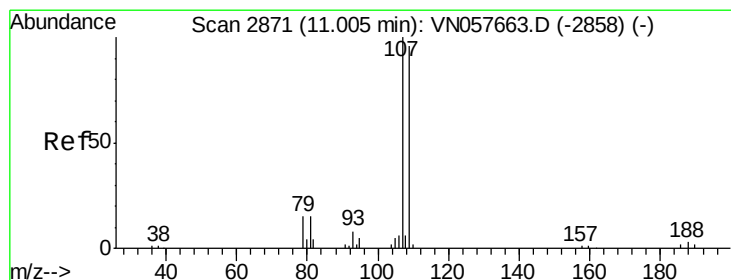
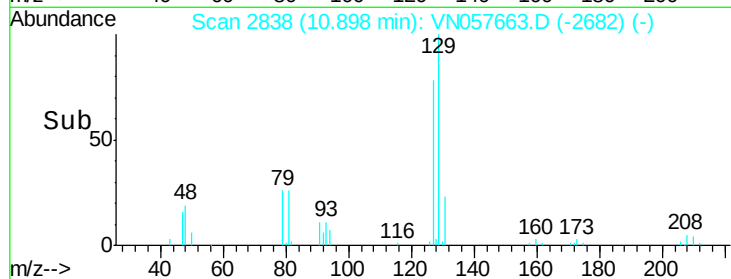
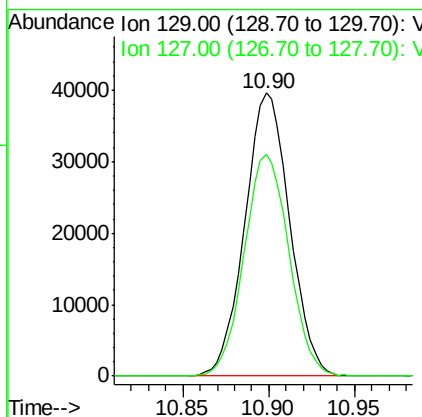
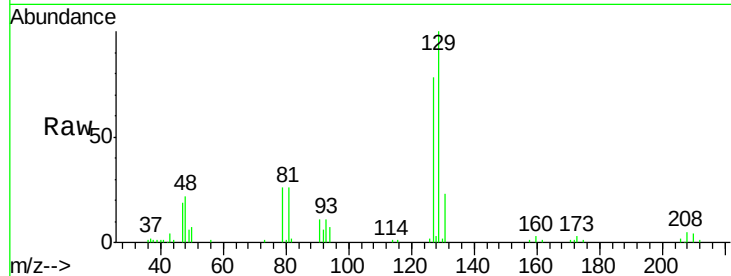
#53
 Dibromochloromethane
 Concen: 16.795 ug/l
 RT: 10.90 min Scan# 2838
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.1	117.3

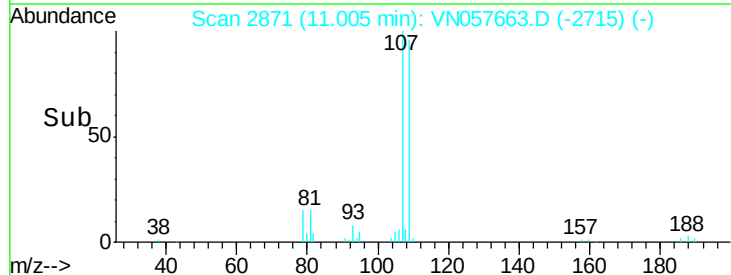
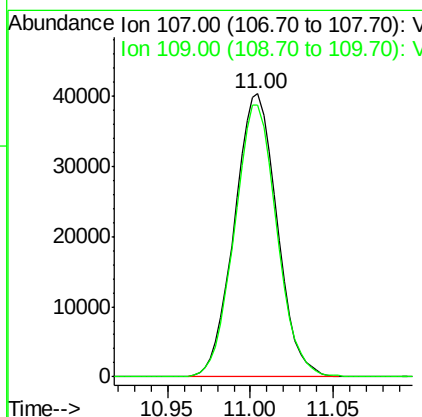
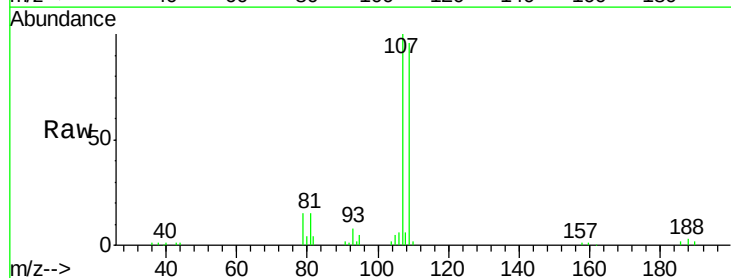
Manual Integrations
 APPROVED

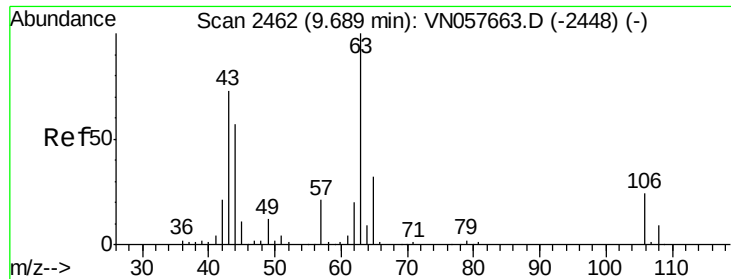
MMDadoda
 9/5/2019 3:20:54 PM



#54
 1,2-Dibromoethane
 Concen: 18.248 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.3	76.2	114.4





#55

2-Chloroethyl vinyl ether

Concen: 125.618 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 63 Resp: 169405

Ion Ratio Lower Upper

63 100

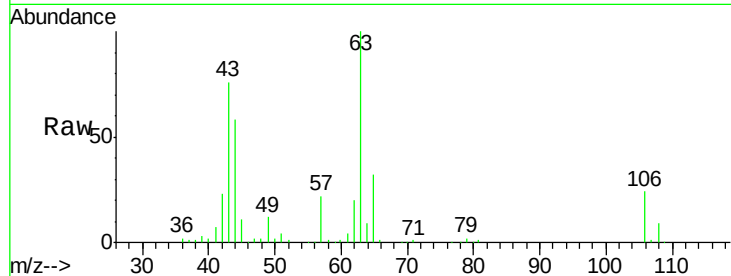
65 32.0 25.6 38.4

106 24.4 19.5 29.3

Manual Integrations
APPROVED

MMDadoda

9/5/2019 3:20:54 PM

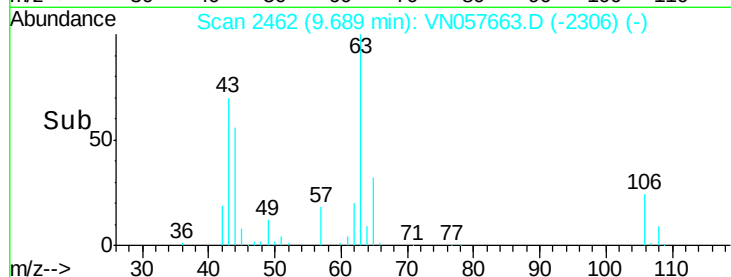


Abundance Ion 63.00 (62.70 to 63.70): VN057663.D (-2448) (-)

Ion 65.00 (64.70 to 65.70): VN057663.D (-2448) (-)

Ion 106.00 (105.70 to 106.70): VN057663.D (-2448) (-)

Time-->

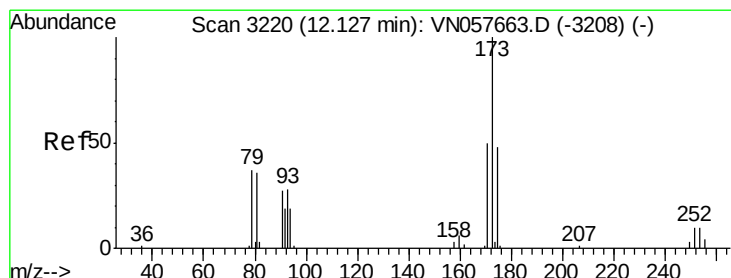


Abundance Ion 63.00 (62.70 to 63.70): VN057663.D (-2448) (-)

Ion 65.00 (64.70 to 65.70): VN057663.D (-2448) (-)

Ion 106.00 (105.70 to 106.70): VN057663.D (-2448) (-)

Time-->



#56

Bromoform

Concen: 15.216 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

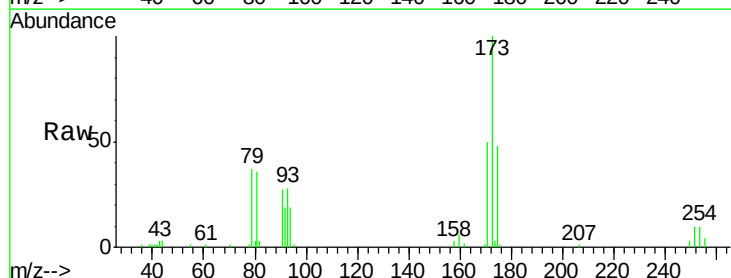
Tgt Ion: 173 Resp: 41980

Ion Ratio Lower Upper

173 100

175 48.5 38.8 58.2

254 9.0 7.2 10.8

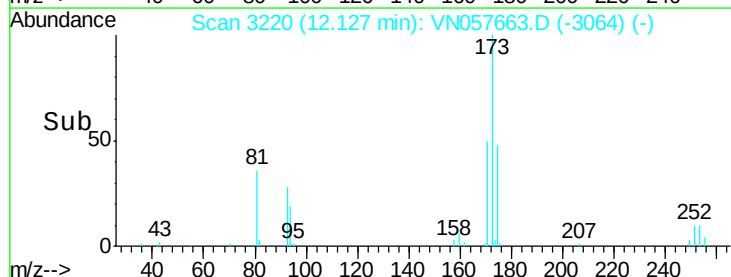


Abundance Ion 173.00 (172.70 to 173.70): VN057663.D (-3208) (-)

Ion 175.00 (174.70 to 175.70): VN057663.D (-3208) (-)

Ion 254.00 (253.70 to 254.70): VN057663.D (-3208) (-)

Time-->

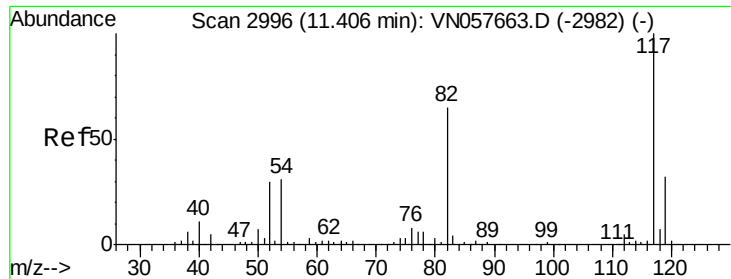


Abundance Ion 173.00 (172.70 to 173.70): VN057663.D (-3208) (-)

Ion 175.00 (174.70 to 175.70): VN057663.D (-3208) (-)

Ion 254.00 (253.70 to 254.70): VN057663.D (-3208) (-)

Time-->



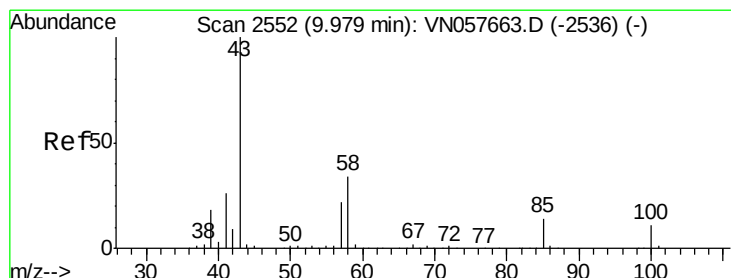
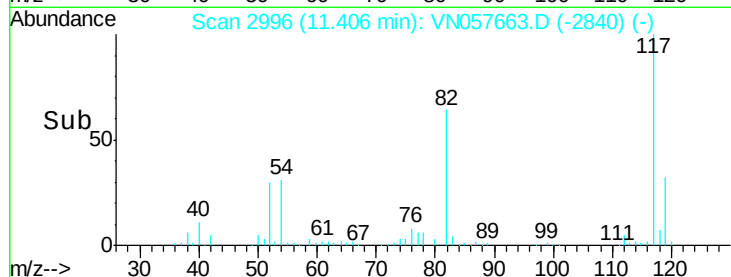
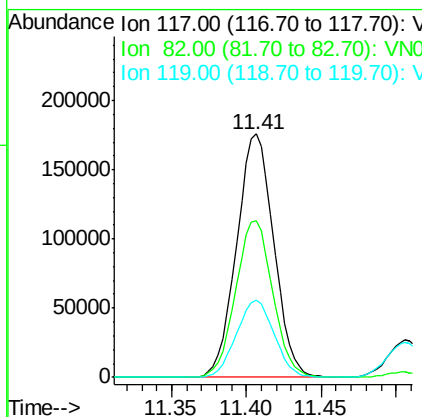
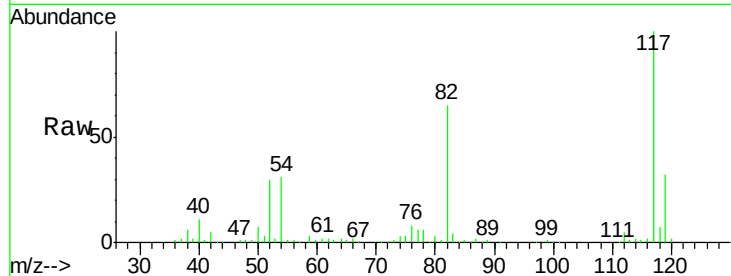
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.0	51.2	76.8
119	32.2	25.8	38.6

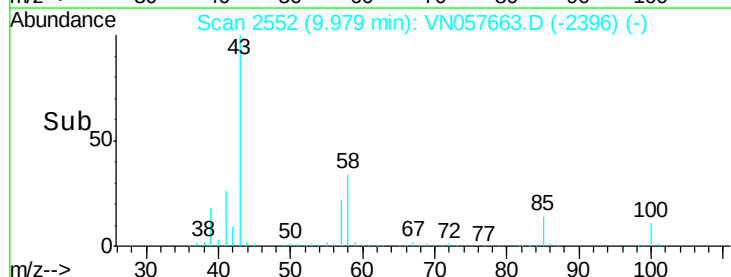
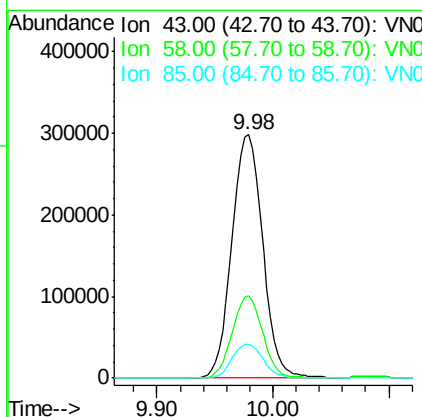
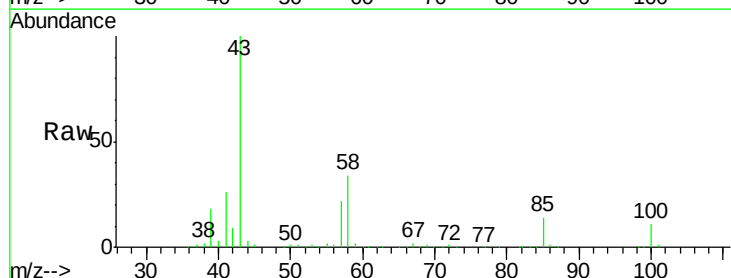
Manual Integrations
APPROVED

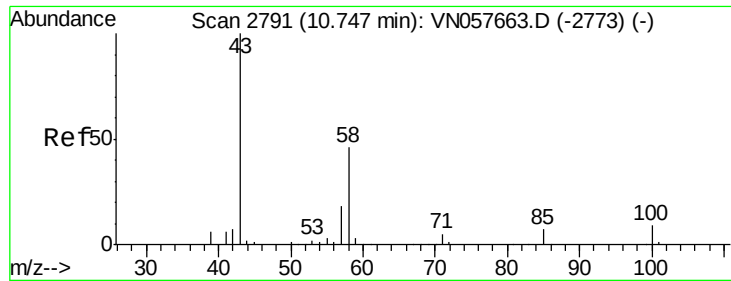
MMDadoda
9/5/2019 3:20:54 PM



#58
4-Methyl-2-Pentanone
Concen: 157.915 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.4	26.7	40.1
85	14.0	11.2	16.8





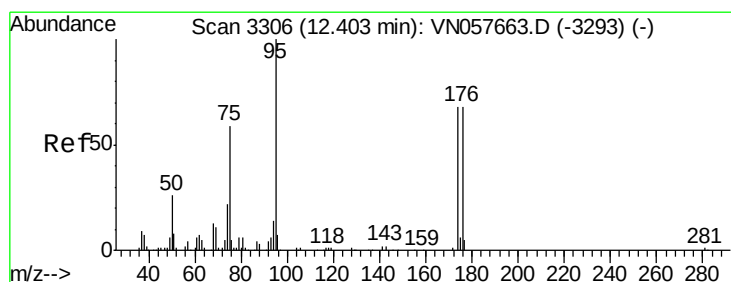
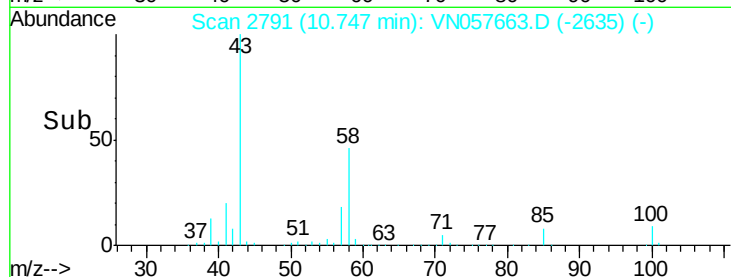
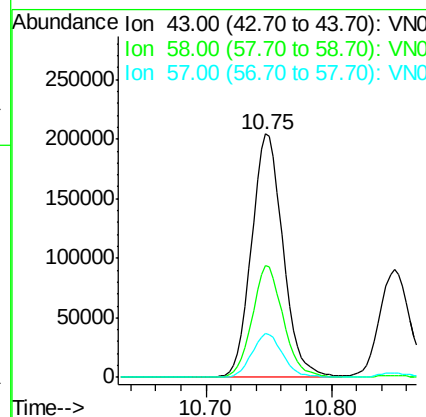
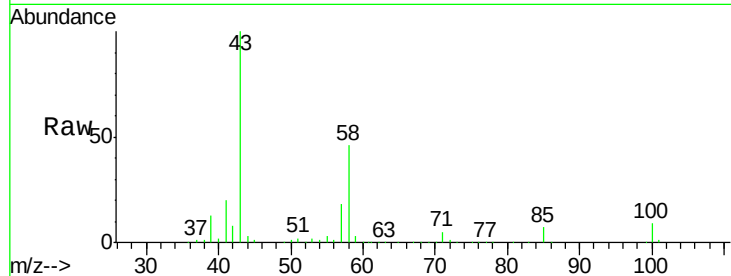
#59
2-Hexanone
Concen: 148.347 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	45.1	36.1	54.1
57	17.6	14.1	21.1

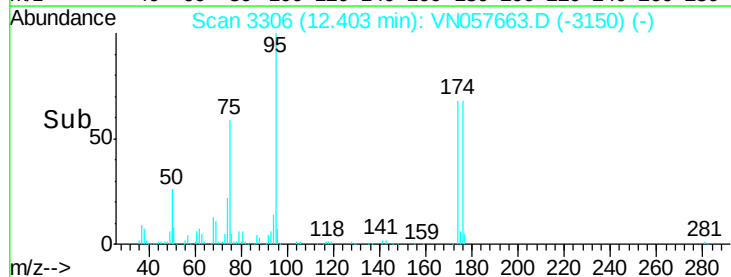
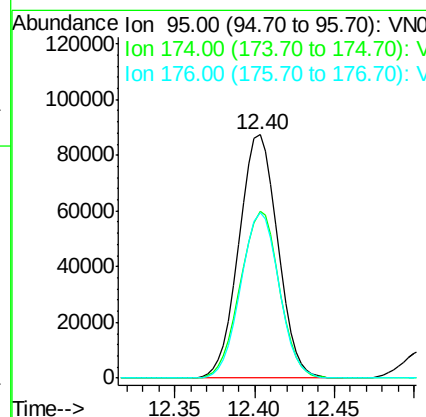
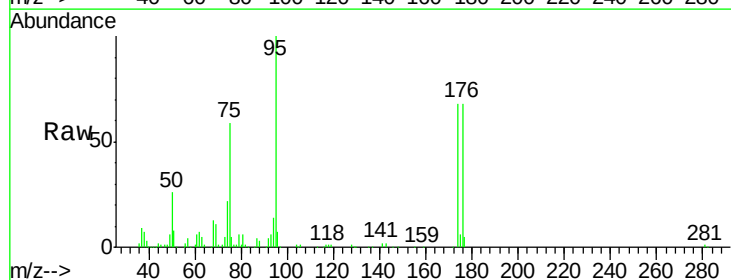
Manual Integrations
APPROVED

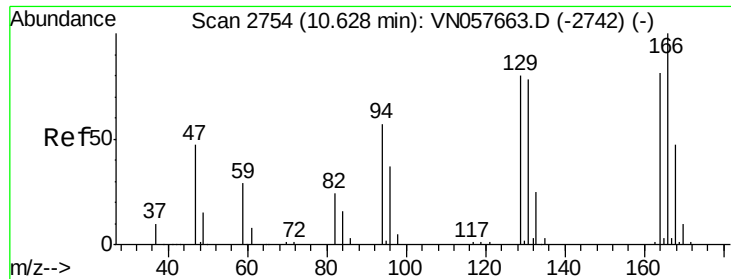
MMDadoda
9/5/2019 3:20:54 PM



#60
4-Bromofluorobenzene
Concen: 30.702 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	68.8	55.0	82.6
176	67.1	53.7	80.5





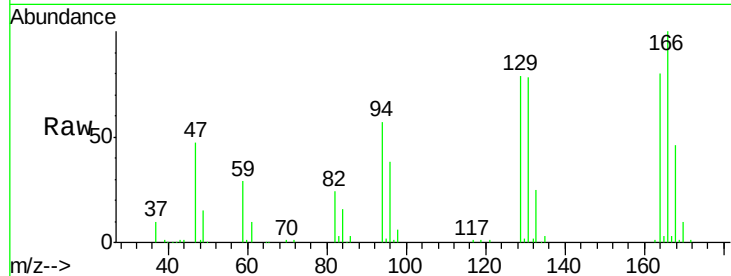
#61
Tetrachloroethene
Concen: 18.798 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
164	100		
166	124.3	99.4	149.2
129	98.5	78.8	118.2
131	97.7	78.2	117.2

Manual Integrations
APPROVED

MMDadoda
9/5/2019 3:20:54 PM



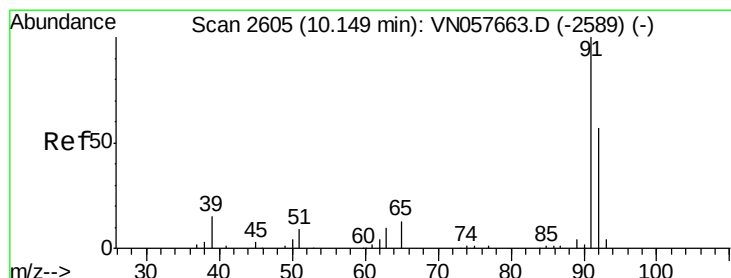
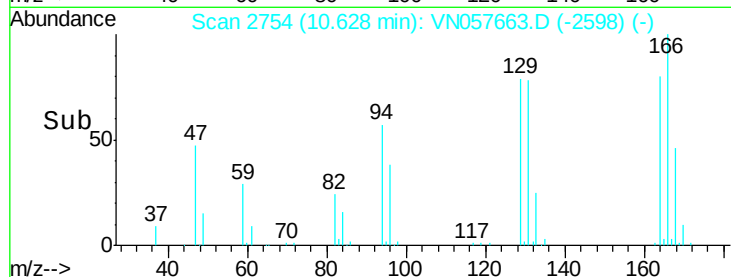
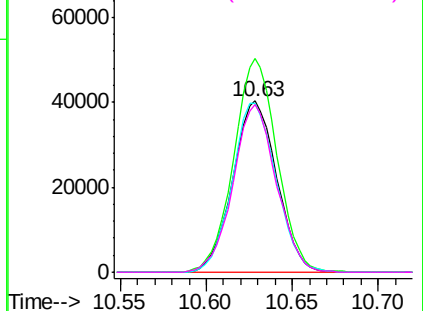
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

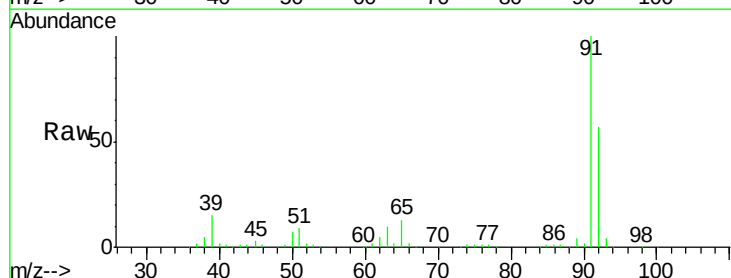
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62
Toluene
Concen: 21.682 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

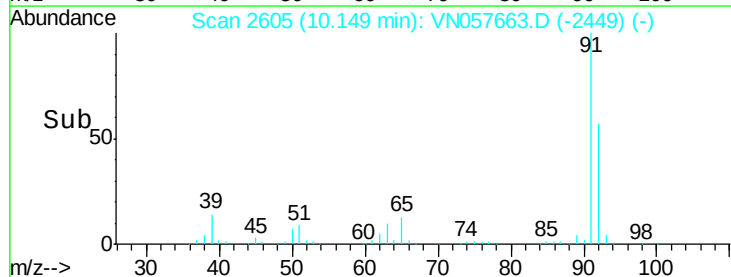
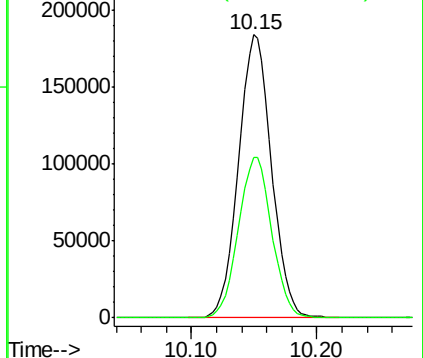
Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.6	46.1	69.1

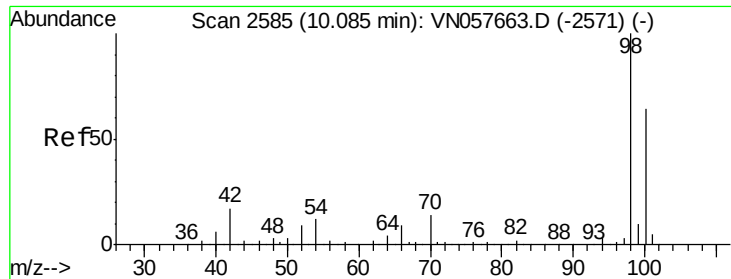


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





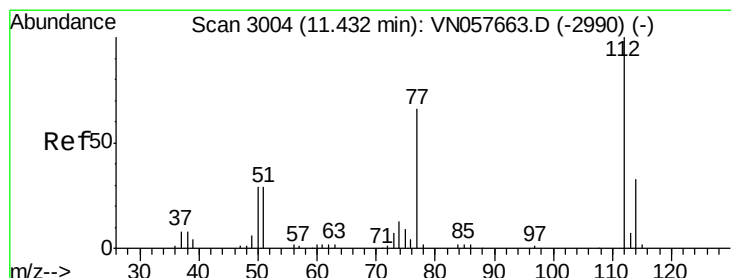
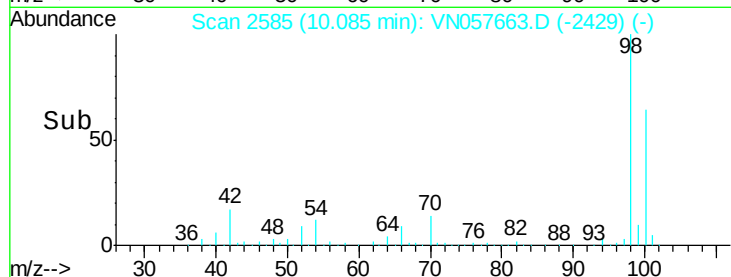
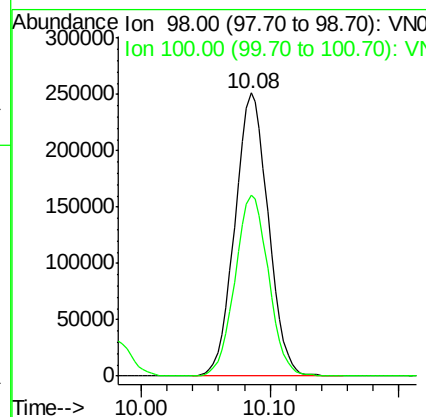
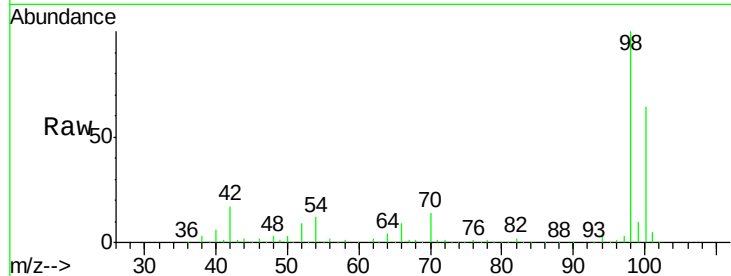
#63
Toluene-d8
Concen: 31.686 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion: 98 Resp: 451766
Ion Ratio Lower Upper
98 100
100 63.8 51.0 76.6

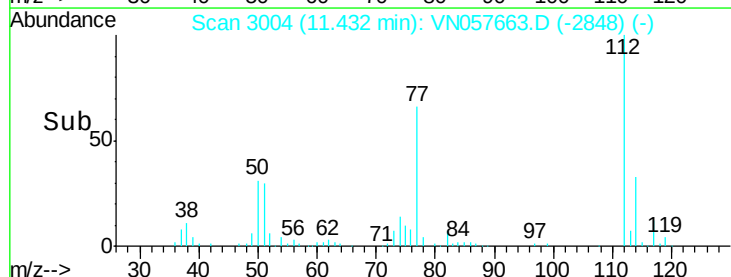
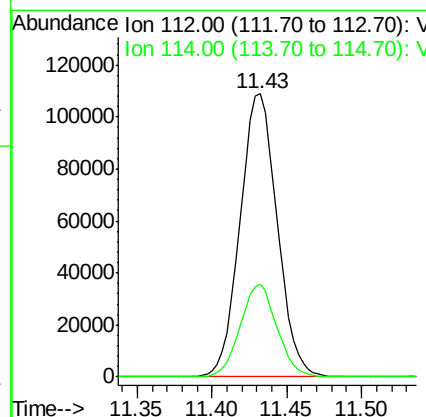
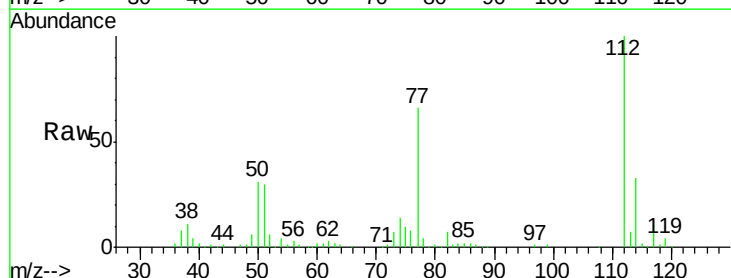
Manual Integrations
APPROVED

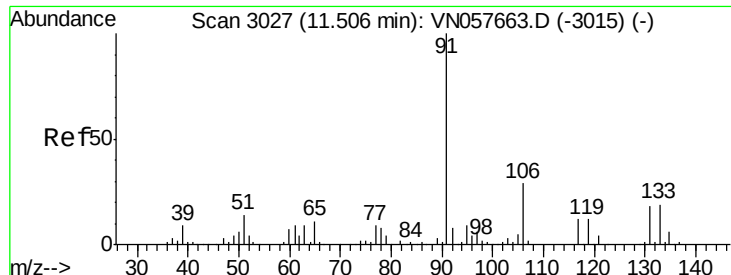
MMDadoda
9/5/2019 3:20:54 PM



#64
Chlorobenzene
Concen: 19.185 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Tgt Ion: 112 Resp: 188462
Ion Ratio Lower Upper
112 100
114 32.8 26.2 39.4





#65

1,1,1,2-Tetrachloroethane

Concen: 17.674 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

Tot Ion:131 Resp: 68332

Ion Ratio Lower Upper

131 100

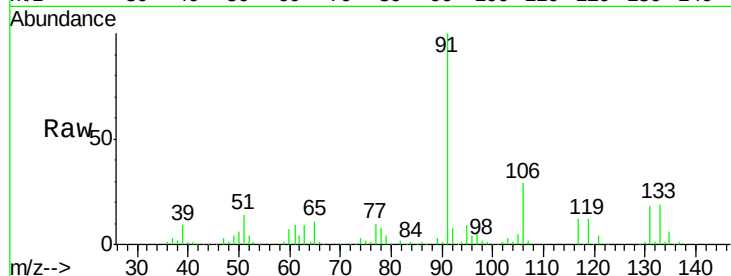
133 99.0 0.0 198.0

119 64.9 0.0 129.8

Manual Integrations
APPROVED

MMDadoda

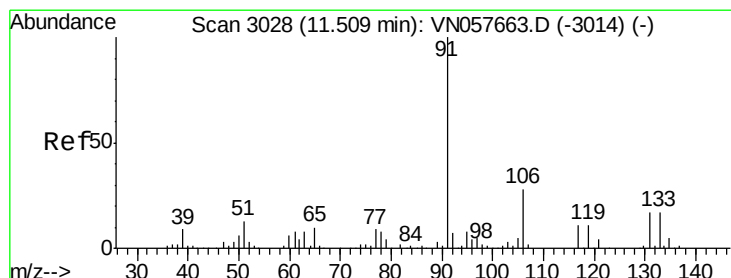
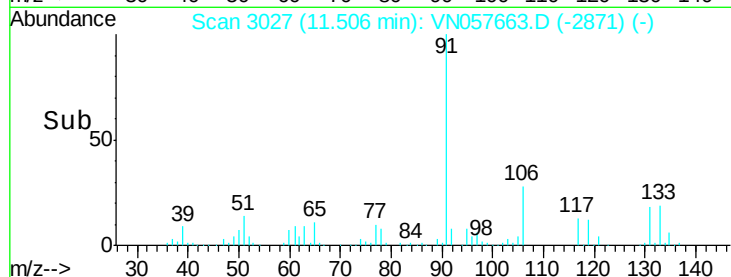
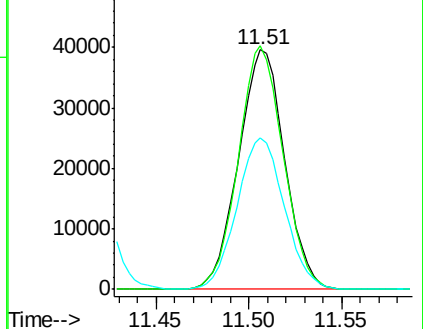
9/5/2019 3:20:54 PM



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 22.320 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057663.D

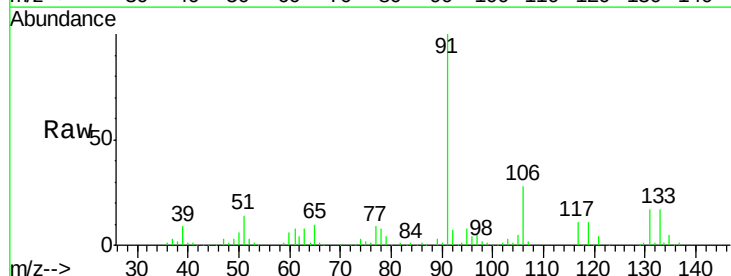
Acq: 3 Sep 2019 15:14

Tgt Ion: 91 Resp: 374496

Ion Ratio Lower Upper

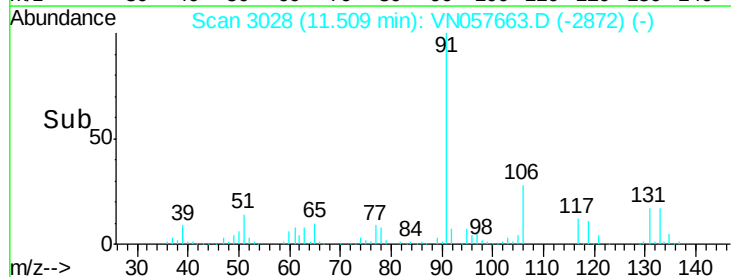
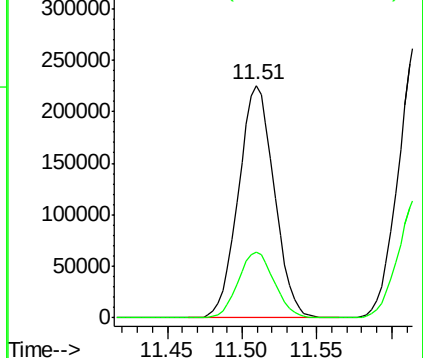
91 100

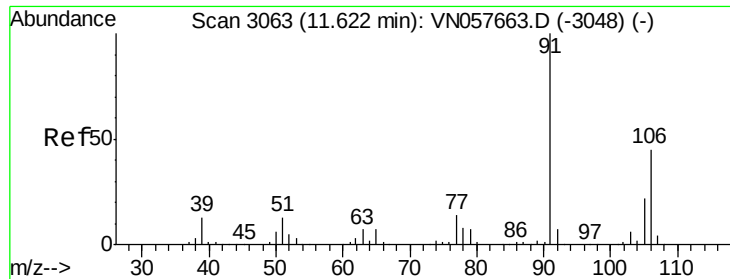
106 28.4 22.7 34.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 38.476 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion:106 Resp: 252630

Ion Ratio Lower Upper

106 100

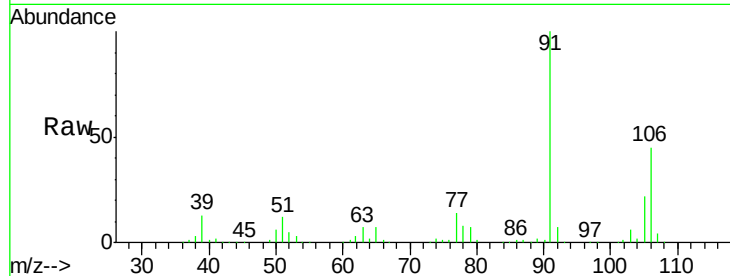
91 223.6 178.9 268.3

Manual Integrations

APPROVED

MMDadoda

9/5/2019 3:20:54 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

300000

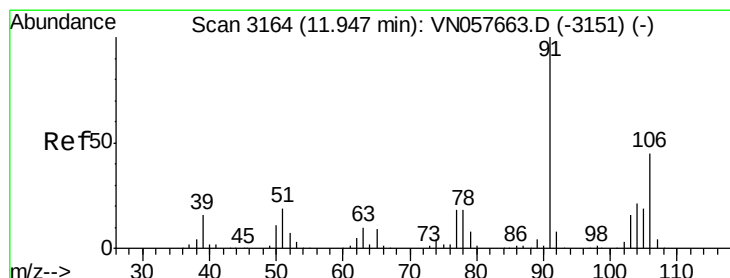
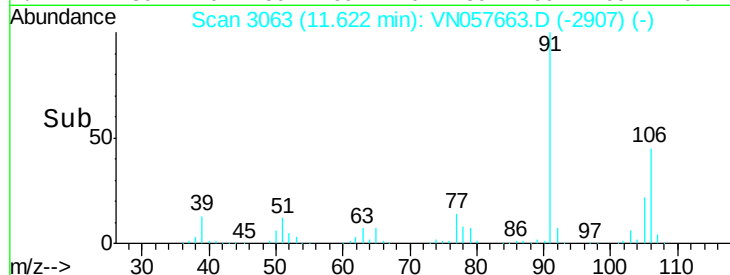
200000

100000

0

11.55 11.60 11.65 11.70

Time-->



#68

o-Xylene

Concen: 19.067 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN057663.D

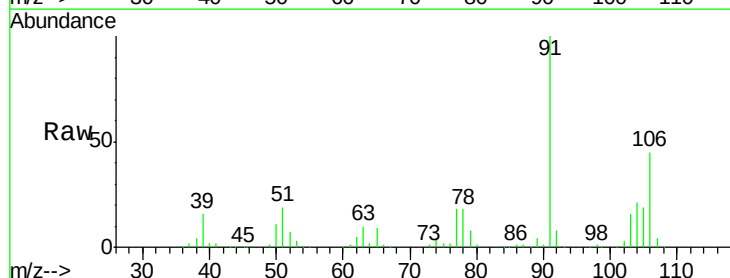
Acq: 3 Sep 2019 15:14

Tgt Ion:106 Resp: 125982

Ion Ratio Lower Upper

106 100

91 228.0 114.0 342.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

200000

150000

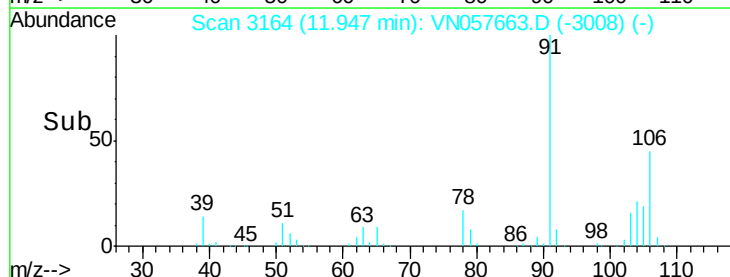
100000

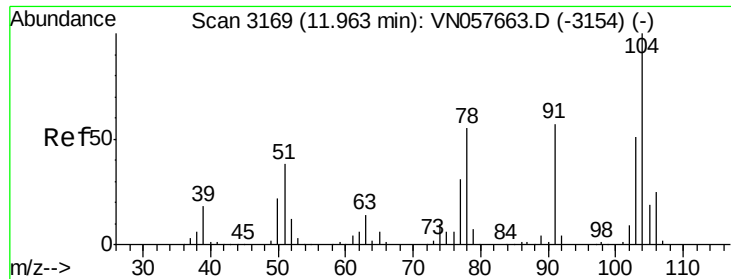
50000

0

11.90 11.95 12.00

Time-->





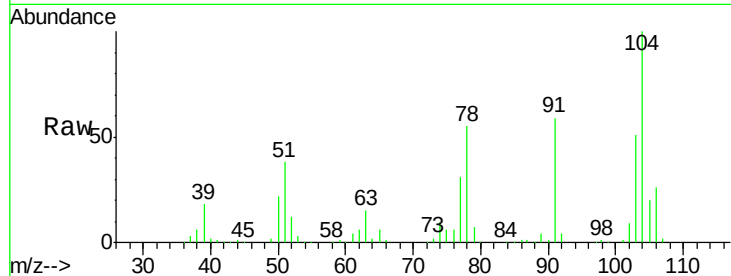
#69
Stvrene
Concen: 18.515 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	61.3	49.0	73.6
103	56.1	44.9	67.3

Manual Integrations
APPROVED

MMDadoda
9/5/2019 3:20:54 PM

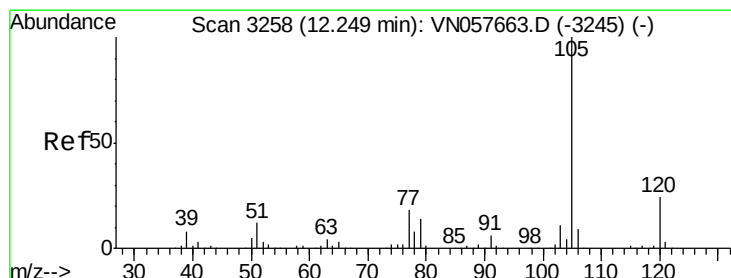
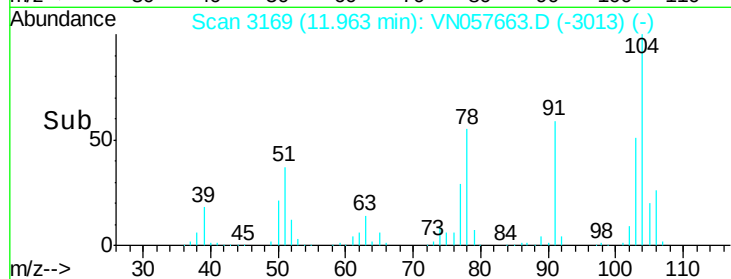
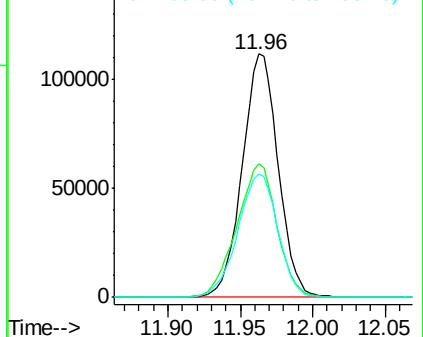


Abundance

Ion 104.00 (103.70 to 104.70): V

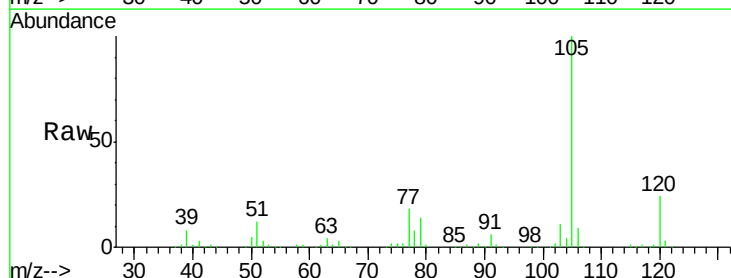
Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#70
Isopropylbenzene
Concen: 21.297 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

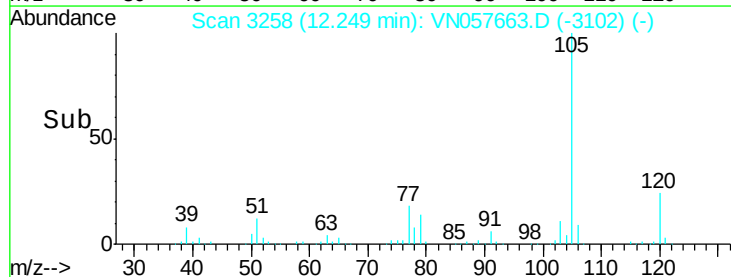
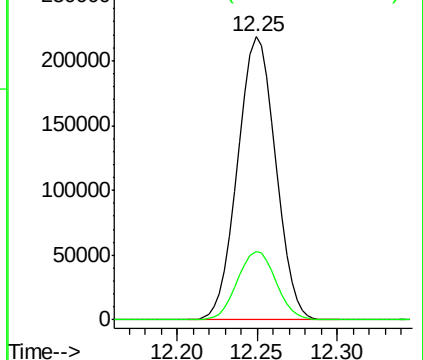
Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.6	17.2	32.0

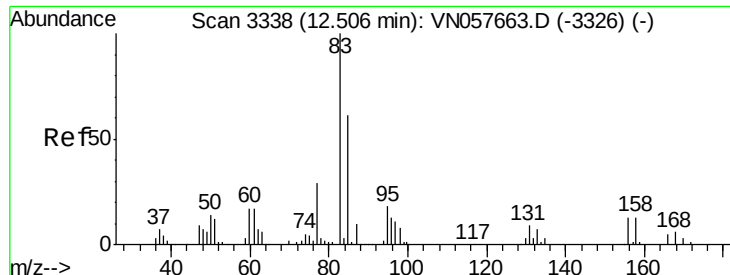


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





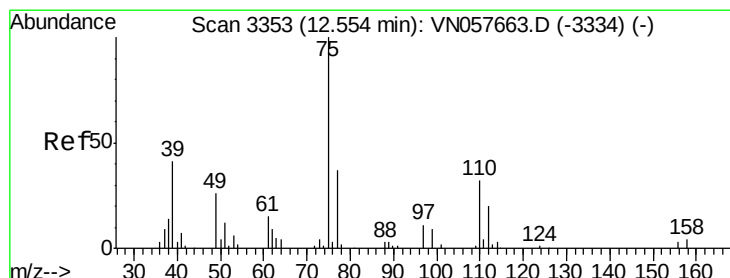
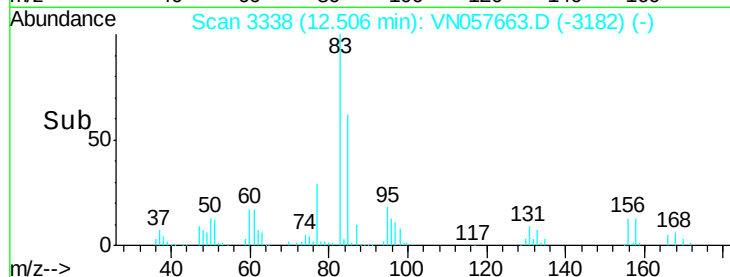
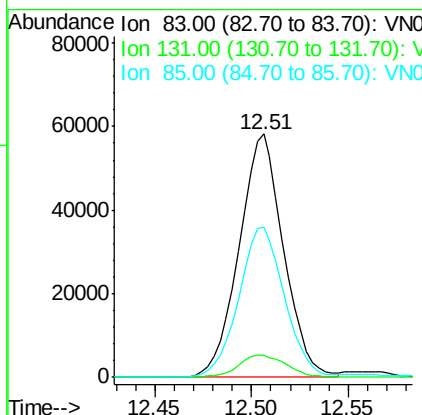
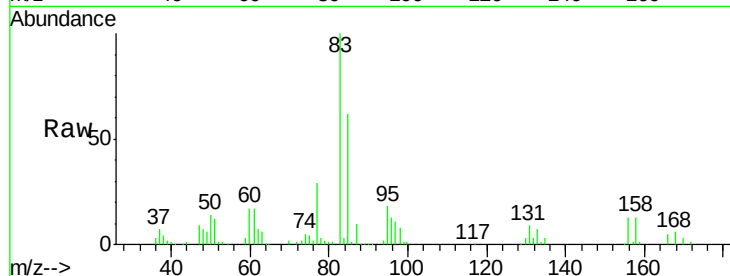
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.751 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	83	Resp	93166
Ion Ratio	100	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	63.4	31.7	95.1

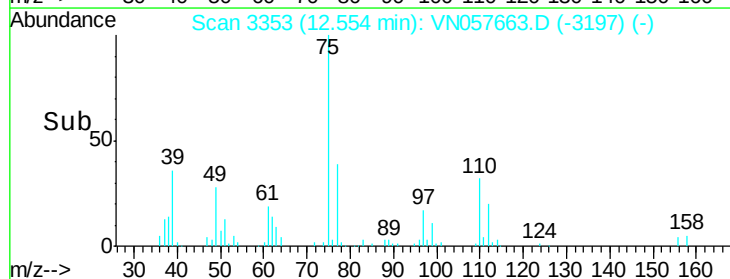
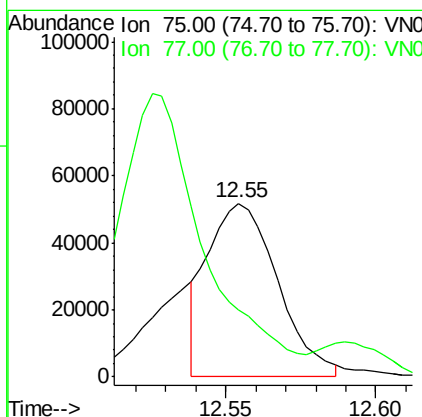
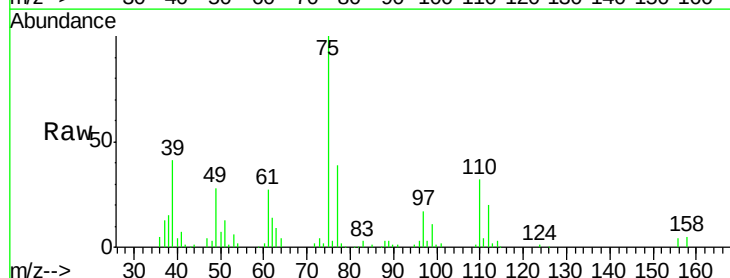
Manual Integrations
 APPROVED

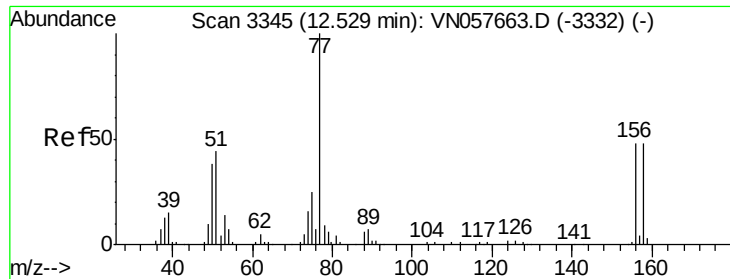
MMDadoda
 9/5/2019 3:20:54 PM



#72
 1,2,3-Trichloropropane
 Concen: 21.722 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

Tgt Ion	75	Resp	83745
Ion Ratio	100	Lower	Upper
75	100		
77	202.8	0.0	405.6





#73

Bromobenzene

Concen: 16.506 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

Instrument :

MSVOA_N

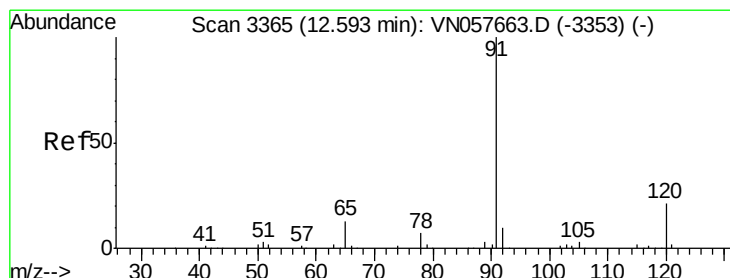
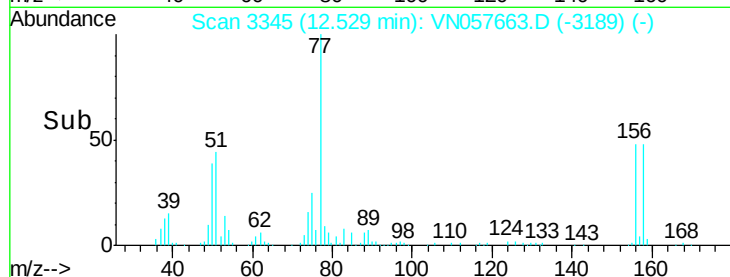
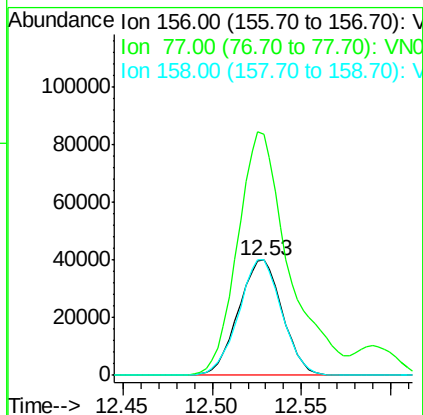
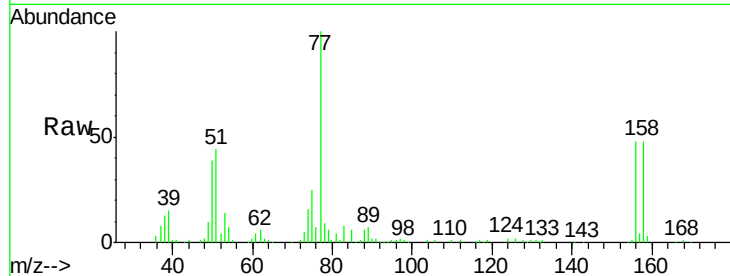
ClientSampled :

VSTDICCC020

Tot Ion:	156	Resp:	68544
Ion	Ratio	Lower	Upper
156	100		
77	247.8	0.0	495.6
158	98.9	0.0	197.8

Manual Integrations
APPROVED

MMDadoda
9/5/2019 3:20:54 PM



#74

n-propylbenzene

Concen: 21.462 ug/l

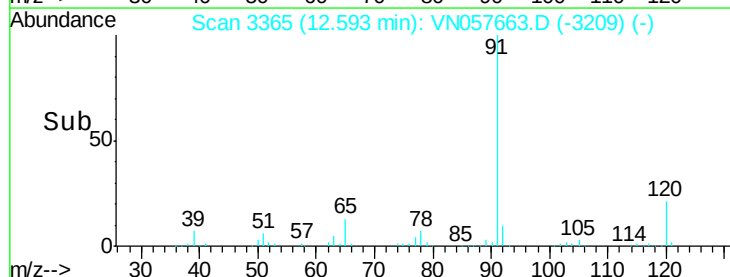
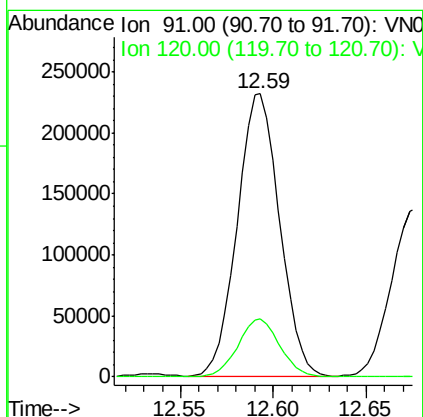
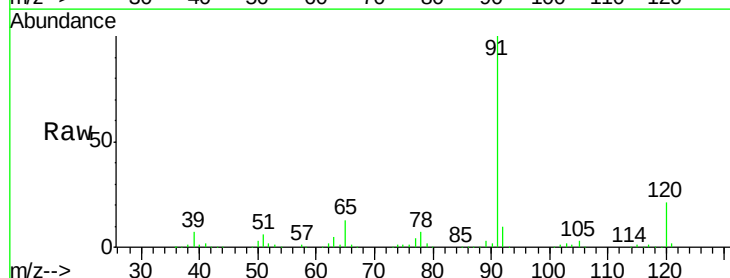
RT: 12.59 min Scan# 3365

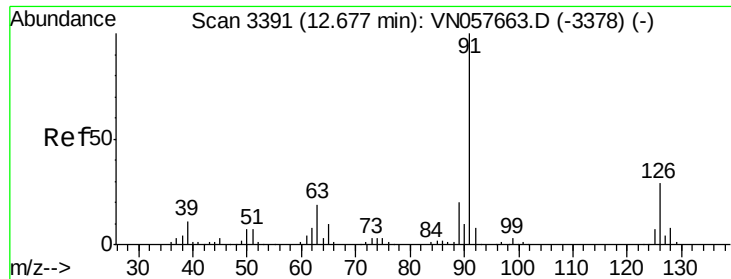
Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

Tgt Ion:	91	Resp:	369219
Ion	Ratio	Lower	Upper
91	100		
120	20.2	0.0	40.4





#75

2-Chlorotoluene

Concen: 20.717 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

Tot Ion: 91 Resp: 232060

Ion Ratio Lower Upper

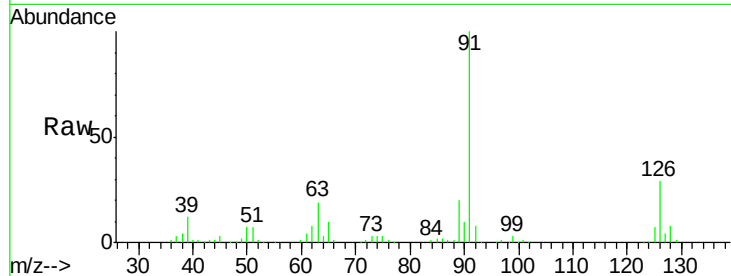
91 100

126 29.6 0.0 59.2

Manual Integrations
APPROVED

MMDadoda

9/5/2019 3:20:54 PM



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

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

250000

200000

150000

100000

50000

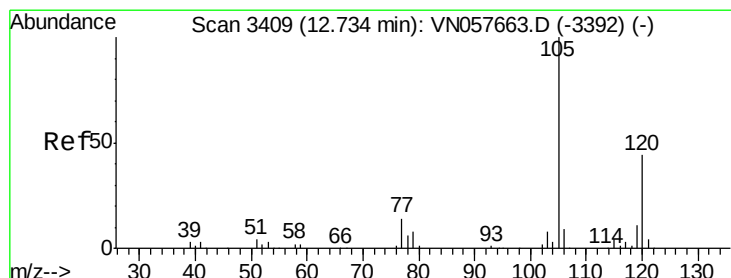
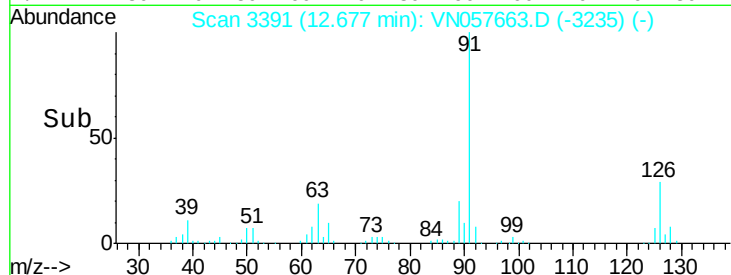
0

12.60

12.65

12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.877 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057663.D

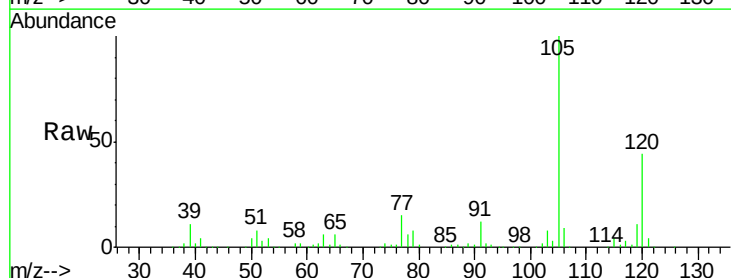
Acq: 3 Sep 2019 15:14

Tgt Ion:105 Resp: 276922

Ion Ratio Lower Upper

105 100

120 45.5 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) (-)

200000

150000

100000

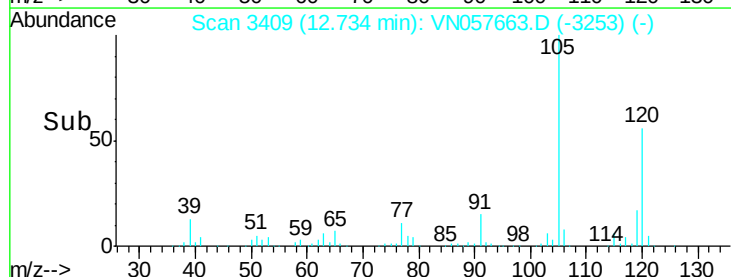
50000

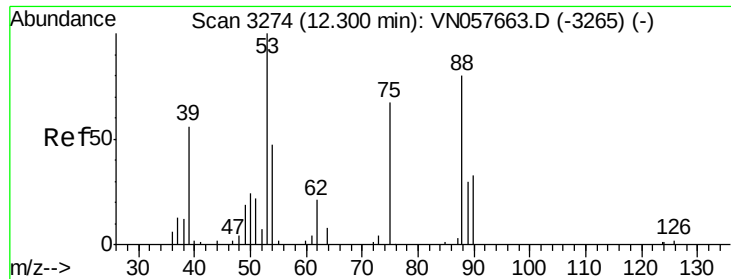
0

12.70

12.80

Time-->





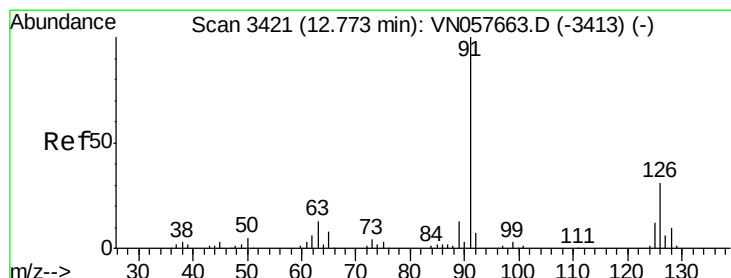
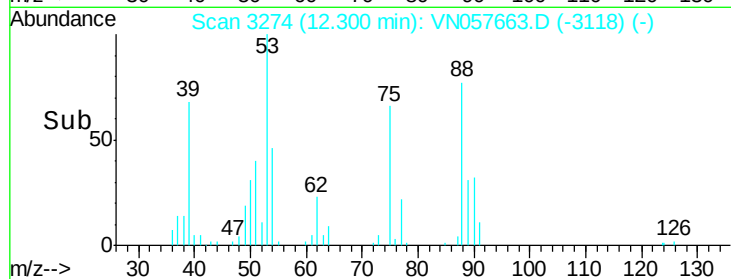
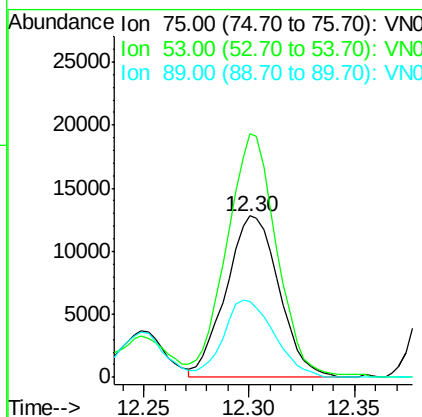
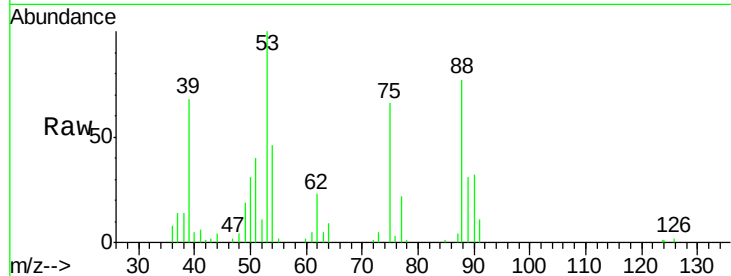
#77
t-1,4-Dichloro-2-butene
Concen: 18.266 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	148.4	74.2	222.6
89	46.6	23.3	69.9

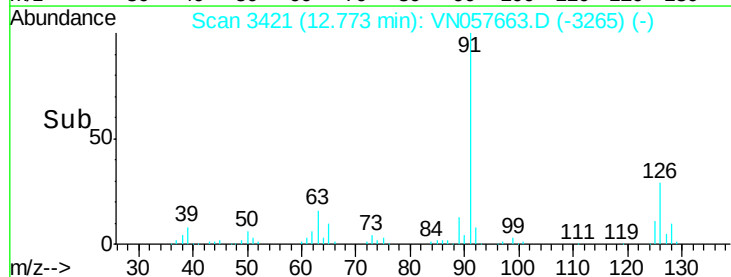
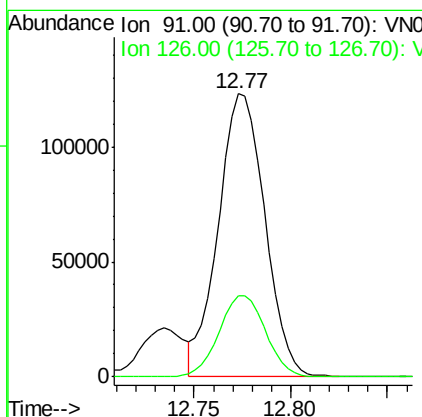
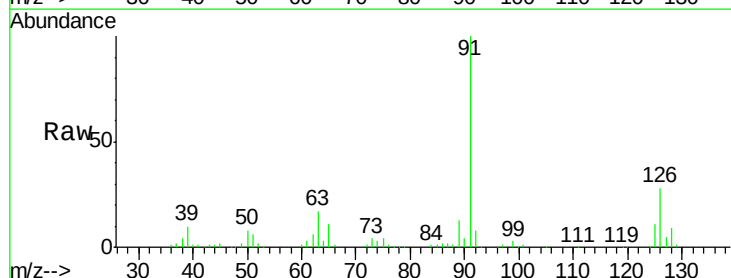
Manual Integrations
APPROVED

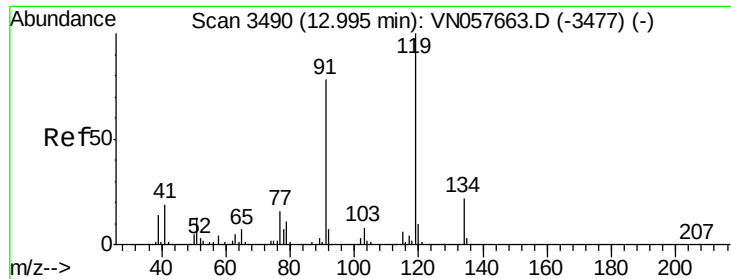
MMDadoda
9/5/2019 3:20:54 PM



#78
4-Chlorotoluene
Concen: 19.375 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.9	0.0	57.8





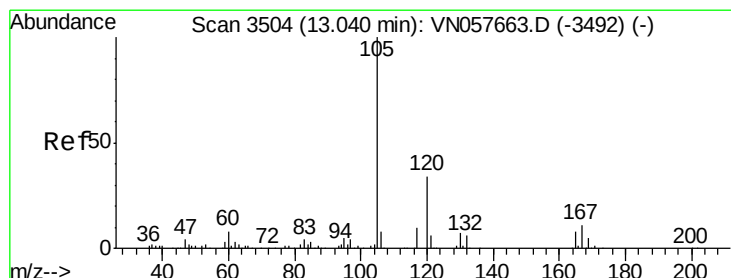
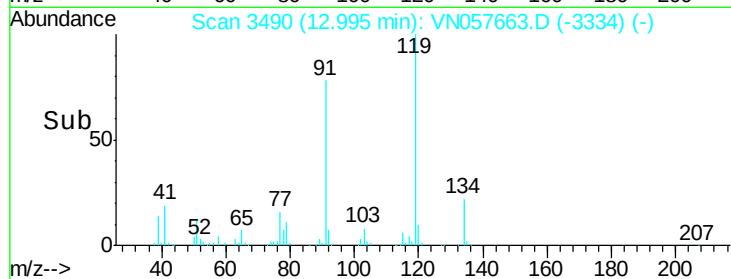
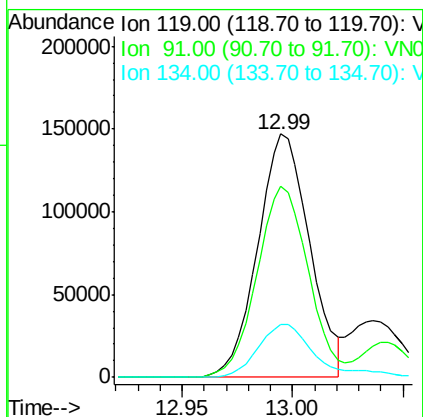
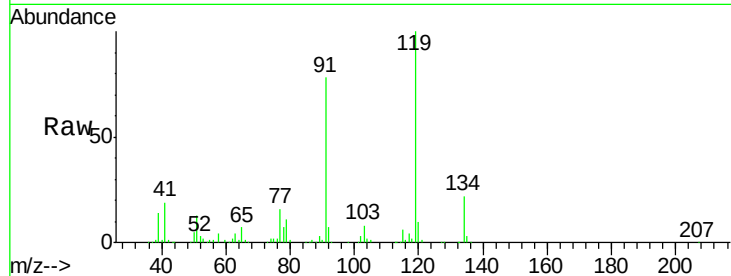
#79
tert-butylbenzene
Concen: 18.947 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	239874		
91	77.8	0.0	155.6	
134	24.1	0.0	48.2	

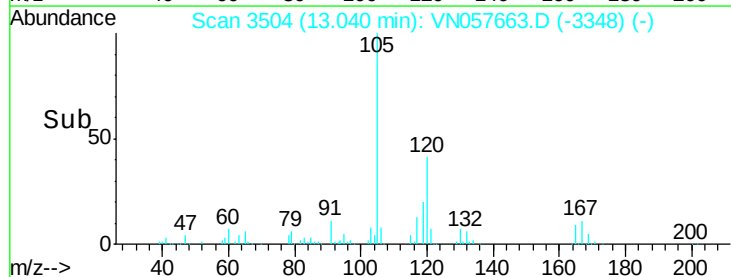
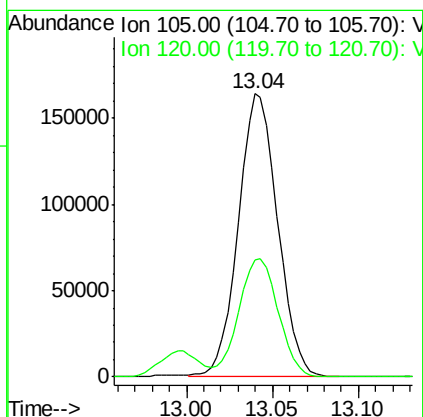
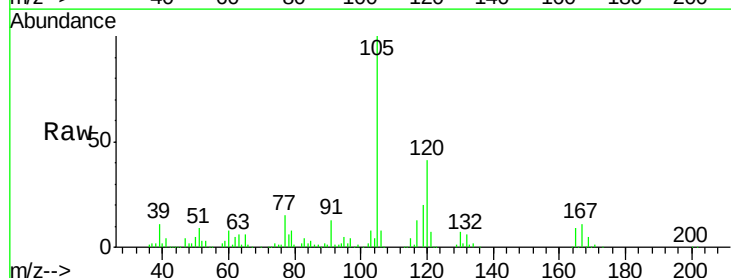
Manual Integrations
APPROVED

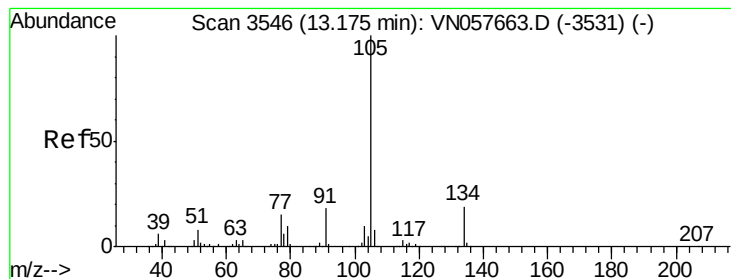
MMDadoda
9/5/2019 3:20:54 PM



#80
1,2,4-Trimethylbenzene
Concen: 19.926 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	260015		
120	41.7	0.0	83.4	





#81

sec-Butylbenzene

Concen: 19.826 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion:105 Resp: 305287

Ion Ratio Lower Upper

105 100

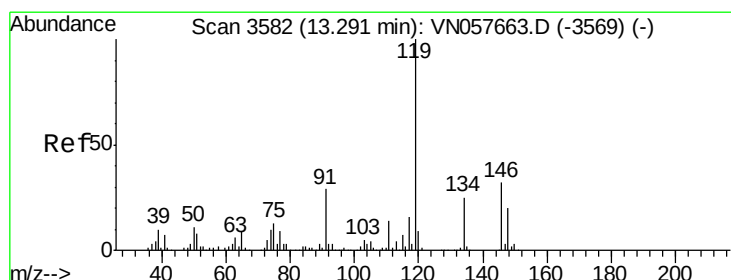
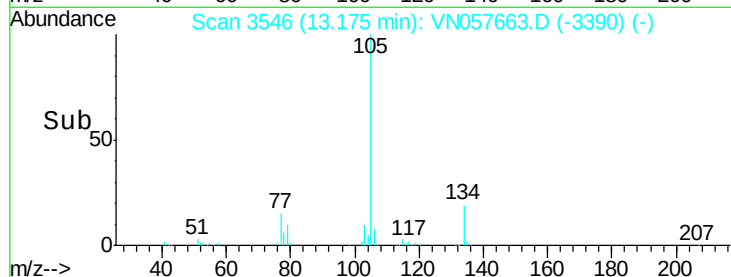
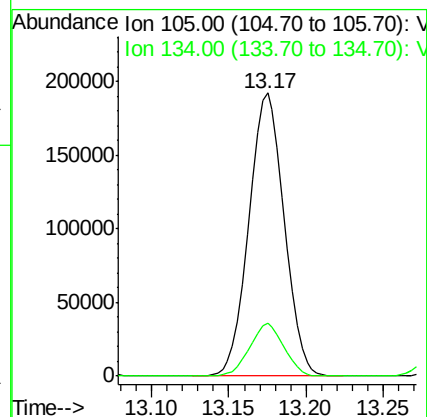
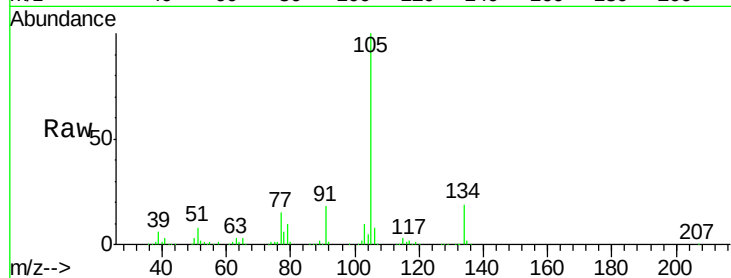
134 18.1 0.0 36.2

Manual Integrations

APPROVED

MMDadoda

9/5/2019 3:20:54 PM



#82

p-Isopropyltoluene

Concen: 18.659 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

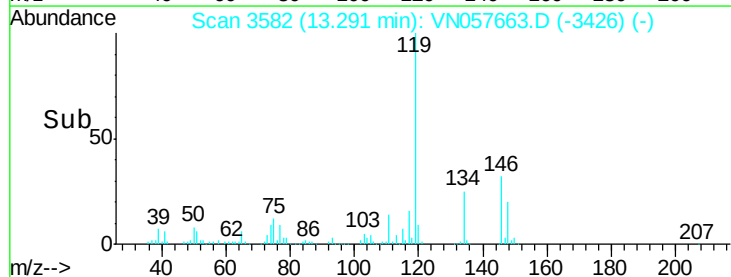
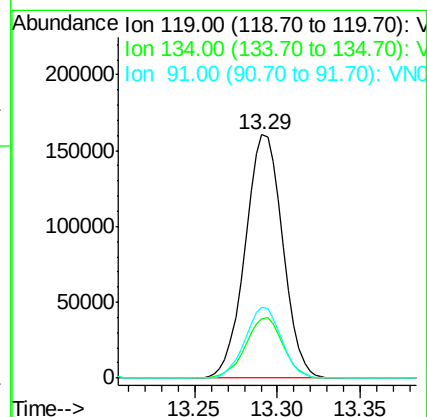
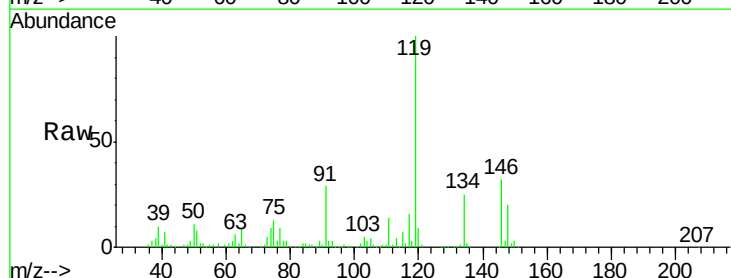
Tgt Ion:119 Resp: 252494

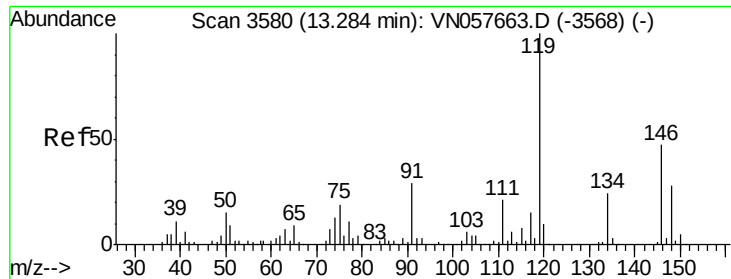
Ion Ratio Lower Upper

119 100

134 24.8 0.0 49.6

91 28.1 0.0 56.2





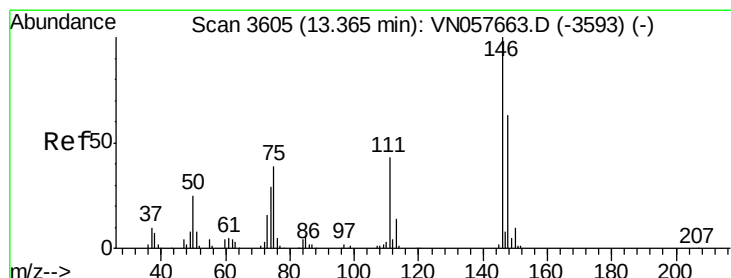
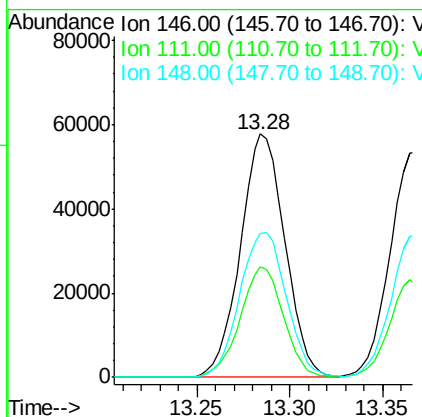
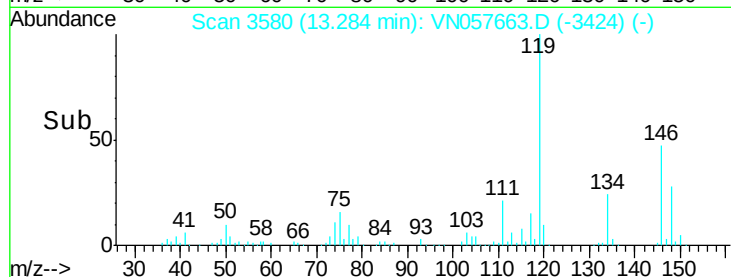
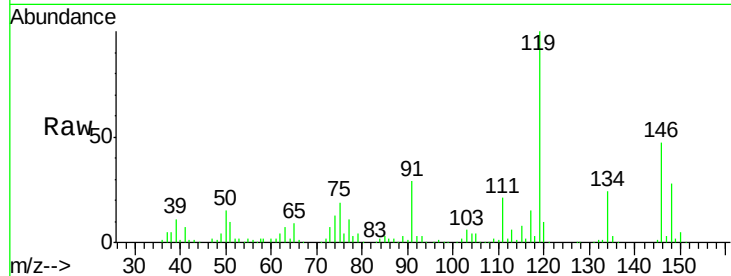
#83
 1,3-Dichlorobenzene
 Concen: 14.492 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.1	66.3
148	62.6	31.3	93.9

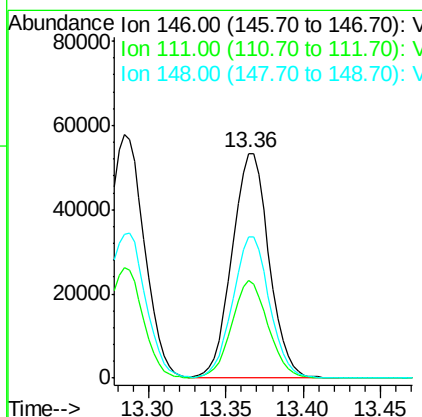
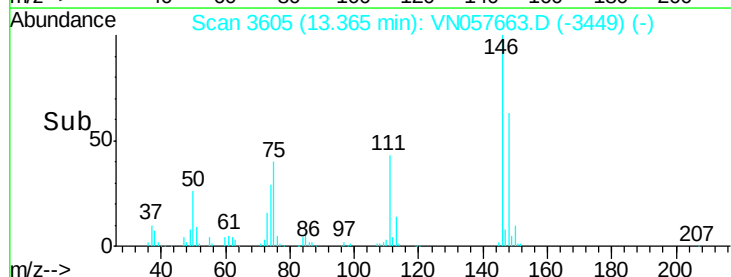
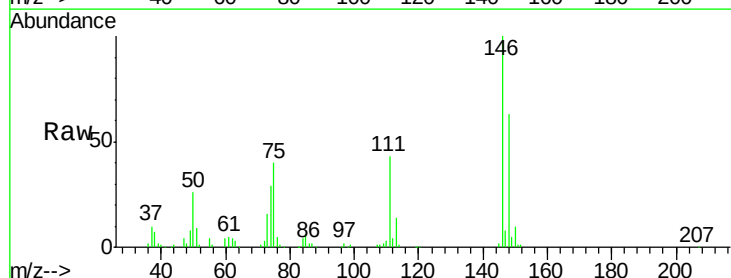
Manual Integrations
 APPROVED

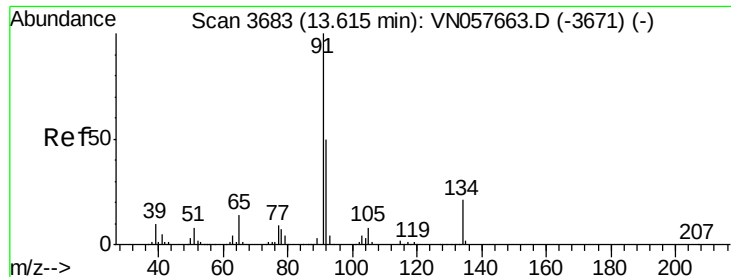
MMDadoda
 9/5/2019 3:20:54 PM



#84
 1,4-Dichlorobenzene
 Concen: 13.971 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.3	63.9
148	62.0	31.0	93.0





#85

n-Butylbenzene

Concen: 20.563 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

Instrument :

MSVOA_N

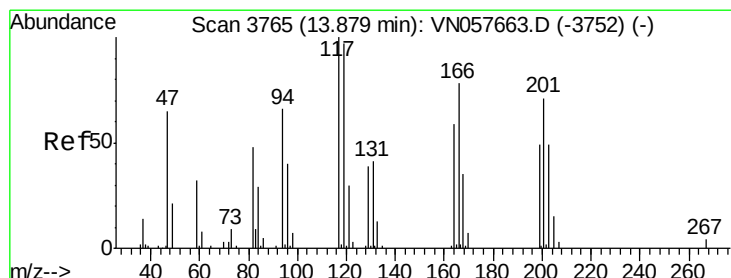
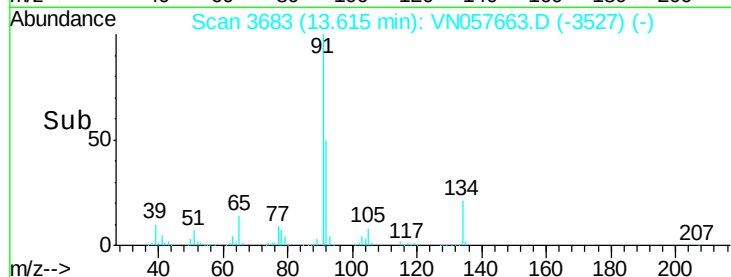
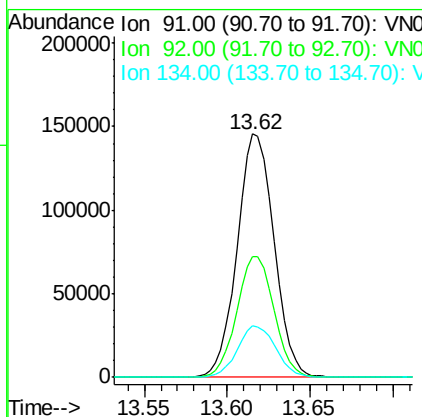
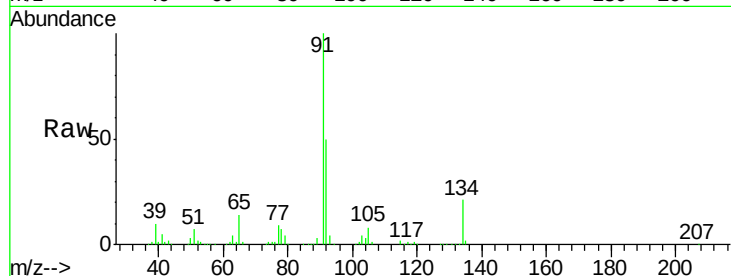
ClientSampleId :

VSTDICCC020

Tot Ion:	91	Resp:	225650
Ion	Ratio	Lower	Upper
91	100		
92	50.1	0.0	100.2
134	21.9	0.0	43.8

Manual Integrations
APPROVED

MMDadoda
9/5/2019 3:20:54 PM



#86

Hexachloroethane

Concen: 17.411 ug/l

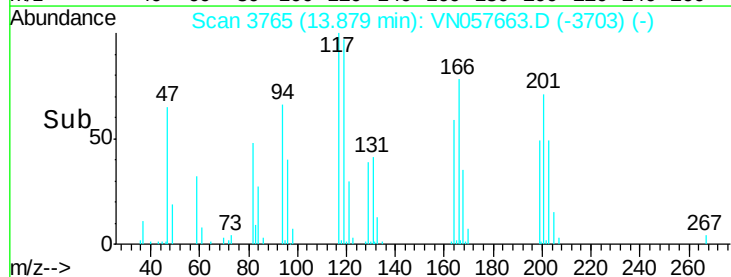
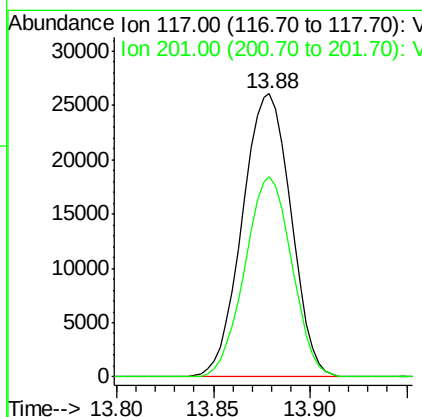
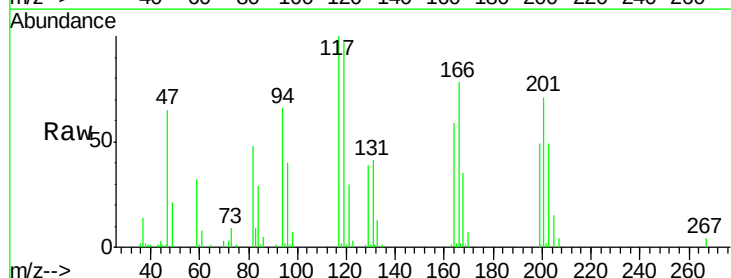
RT: 13.88 min Scan# 3765

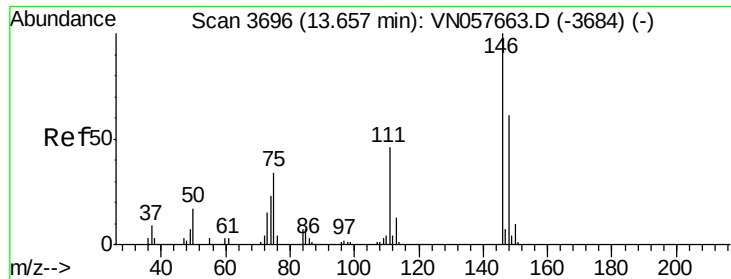
Delta R.T. 0.00 min

Lab File: VN057663.D

Acq: 3 Sep 2019 15:14

Tgt Ion:	117	Resp:	45714
Ion	Ratio	Lower	Upper
117	100		
201	68.1	34.1	102.2





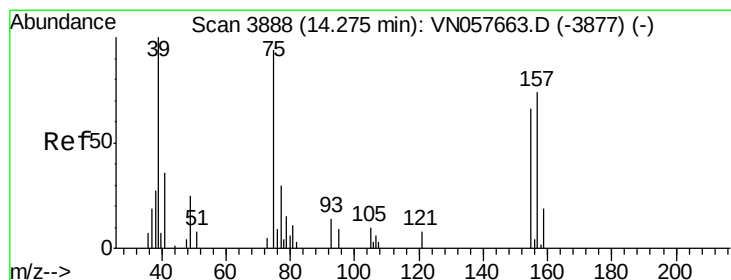
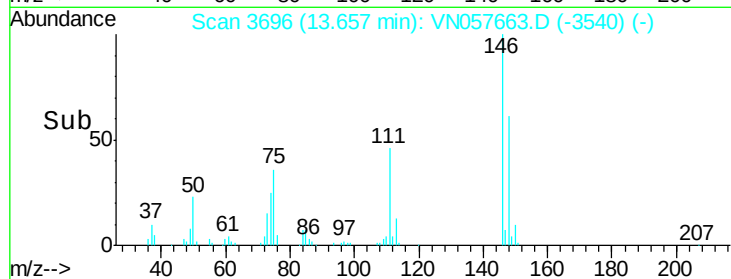
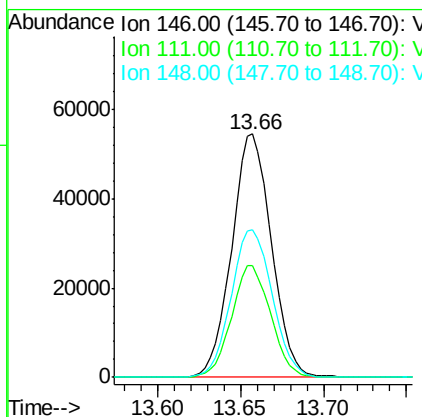
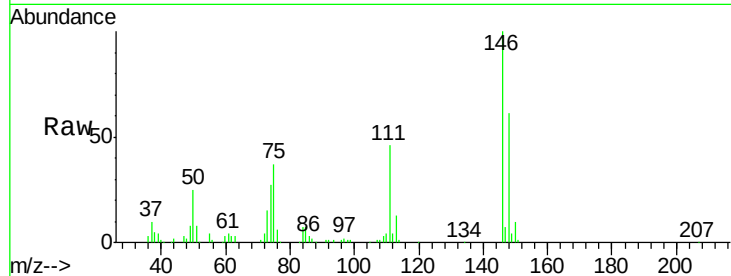
#87
 1,2-Dichlorobenzene
 Concen: 14.417 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.1	22.6	67.7
148	62.6	31.3	93.9

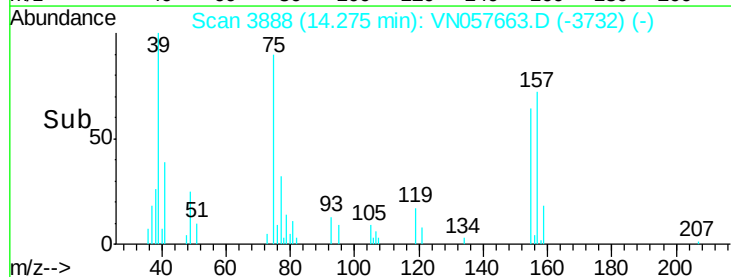
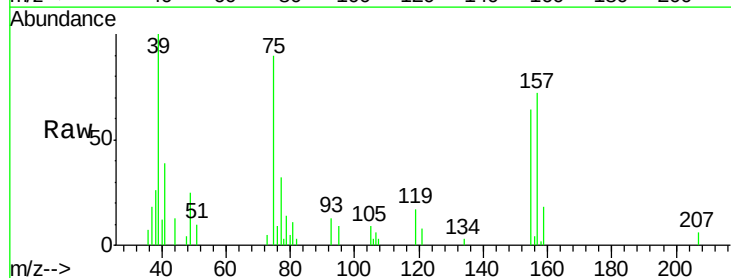
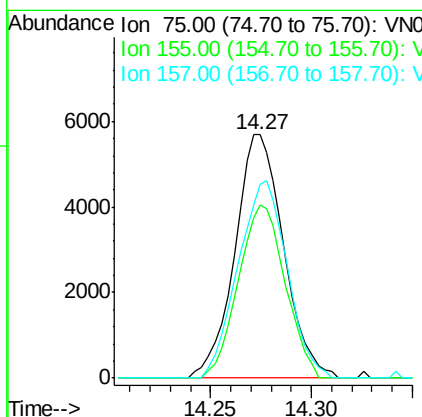
Manual Integrations
 APPROVED

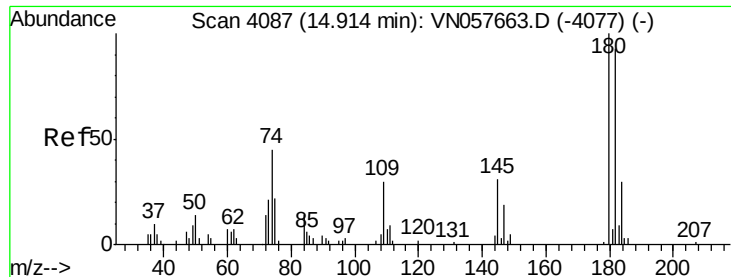
MMDadoda
 9/5/2019 3:20:54 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 14.935 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057663.D
 Acq: 3 Sep 2019 15:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.3	54.6	82.0
157	81.9	65.5	98.3





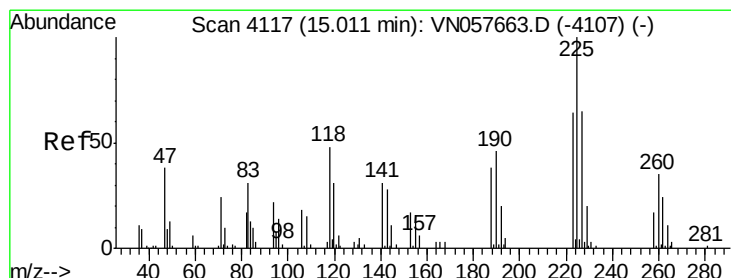
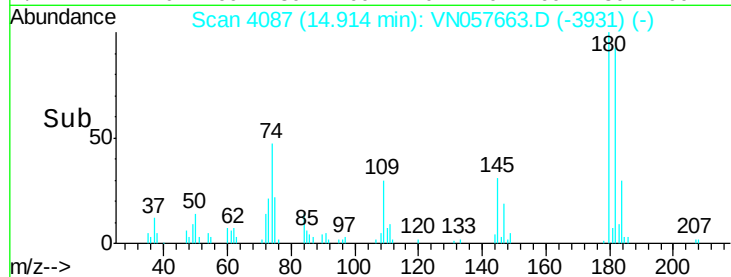
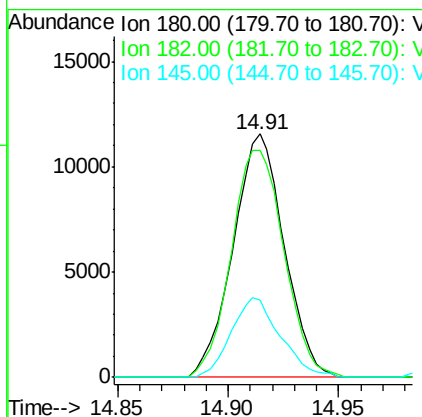
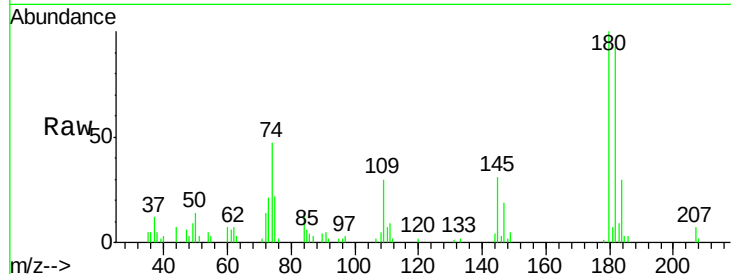
#89
1,2,4-Trichlorobenzene
Concen: 8.067 ug/l
RT: 14.91 min Scan# 4087
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	77.4	116.2
145	31.4	25.1	37.7

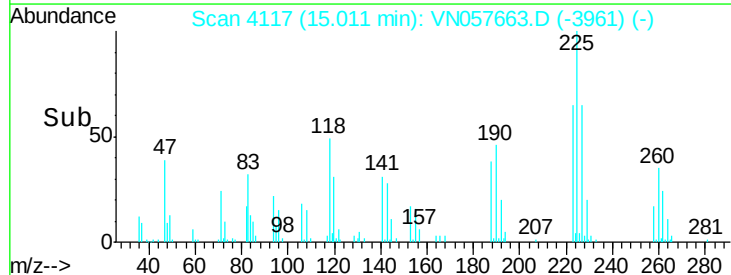
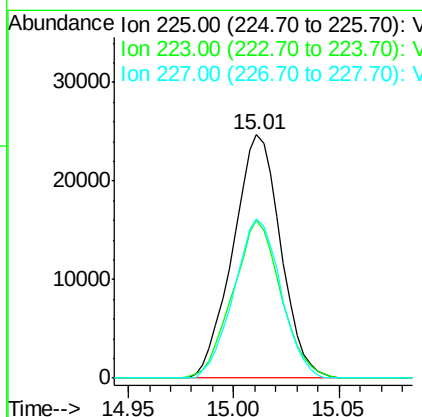
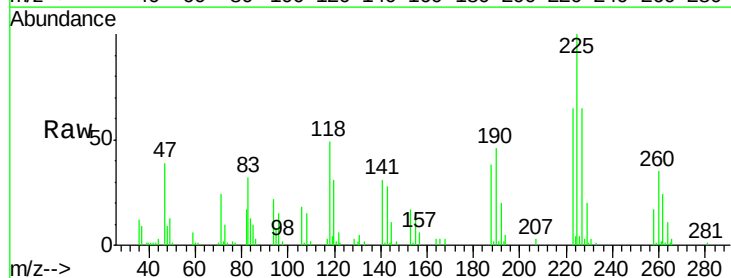
Manual Integrations
APPROVED

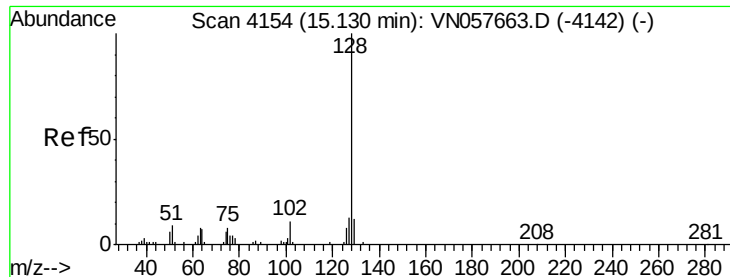
MMDadoda
9/5/2019 3:20:54 PM



#90
Hexachlorobutadiene
Concen: 18.506 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.5	0.0	131.0
227	64.3	0.0	128.6





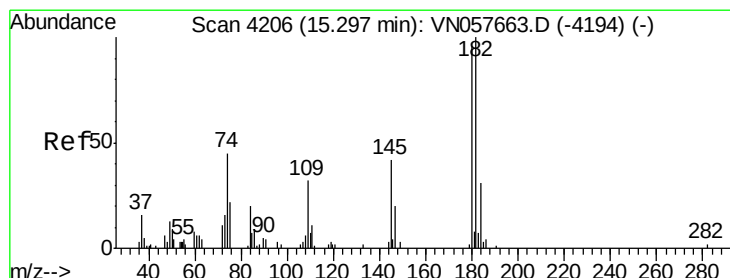
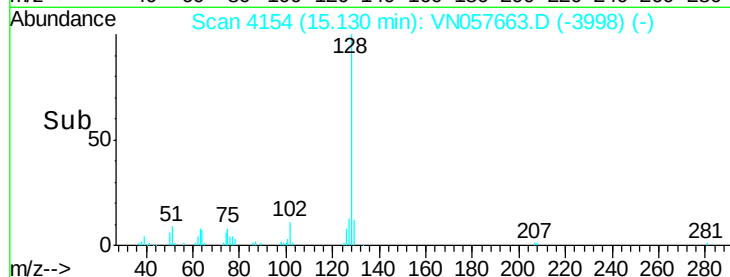
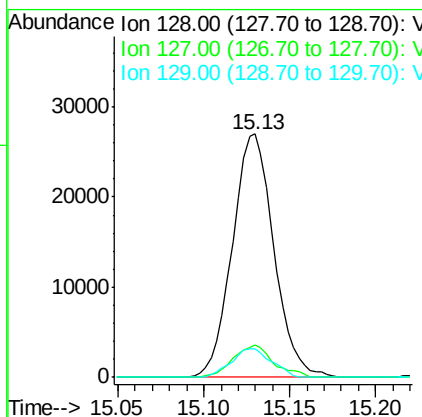
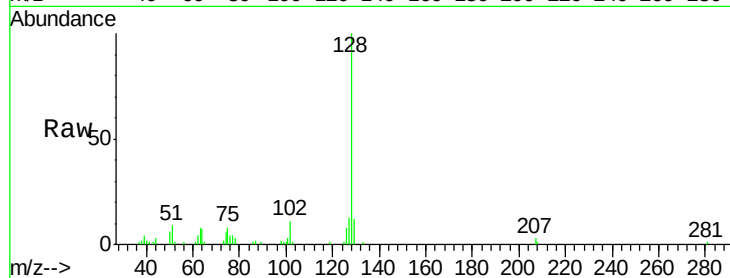
#91
Naphthalene
Concen: 7.214 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.4	9.1	13.7

Manual Integrations
APPROVED

MMDadoda
9/5/2019 3:20:54 PM



#92
1,2,3-Trichlorobenzene
Concen: 8.052 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN057663.D
Acq: 3 Sep 2019 15:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.7	0.0	199.4
145	36.6	0.0	73.2

