

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090319\
 Data File : VN057661.D
 Acq On : 3 Sep 2019 13:41
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 9/5/2019 3:22:43 PM

Quant Time: Sep 04 03:30:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N090319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 04 02:08:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	44249	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	261472	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	217479	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	136237	28.96	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.53%
60) 4-Bromofluorobenzene	12.40	95	95647	25.74	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	85.80%
63) Toluene-d8	10.09	98	327751	31.30	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	104.33%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	38681	12.134 ug/l	98
3) Chloromethane	2.05	50	41709	12.406 ug/l	98
4) Vinyl Chloride	2.18	62	33120	12.047 ug/l #	88
5) Bromomethane	2.55	94	24238	13.791 ug/l	97
6) Chloroethane	2.70	64	25048	12.477 ug/l	96
7) Trichlorofluoromethane	3.02	101	59671	11.333 ug/l	99
8) Diethyl Ether	3.40	74	20507	11.841 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	32344	11.820 ug/l	98
10) 1,1-Dichloroethene	3.73	96	30442	12.195 ug/l	88
11) Methyl Iodide	3.95	142	38983	11.277 ug/l	97
12) Methyl Acetate	4.31	43	45473	12.201 ug/l	99
13) Acrolein	3.60	56	9803	46.354 ug/l #	80
14) Acrylonitrile	4.97	53	79526	58.626 ug/l	94
15) Acetone	3.80	58	22821	59.977 ug/l	97
16) Carbon Disulfide	4.04	76	75350	12.016 ug/l	96
17) Allyl chloride	4.31	41	65447	12.275 ug/l	92
18) Methylene Chloride	4.54	84	39759	12.710 ug/l	96
19) trans-1,2-Dichloroethene	5.03	96	31286	11.848 ug/l	95
20) Diisopropyl ether	5.93	45	135180	11.766 ug/l	94
21) 1,1-Dichloroethane	5.83	63	70406	11.890 ug/l	99
22) cis-1,2-Dichloroethene	6.81	96	40049	12.417 ug/l #	88
23) tert-Butyl Alcohol	4.75	59	23534	47.713 ug/l #	100
24) Methyl tert-Butyl Ether	5.02	73	114290	11.522 ug/l #	79
25) Chloroform	7.36	83	71709	11.682 ug/l	99
26) Cyclohexane	7.64	56	60190	11.937 ug/l #	97
29) 1,1-Dichloropropene	7.78	75	51245	12.273 ug/l	98
30) 2-Butanone	6.82	43	113605	57.598 ug/l #	96
31) 2,2-Dichloropropane	6.81	77	60738	11.754 ug/l #	77
32) 1,1,1-Trichloroethane	7.56	97	63043	12.196 ug/l	95
33) Carbon Tetrachloride	7.76	117	48529	11.561 ug/l	99
34) Benzene	8.03	78	146451	12.211 ug/l #	91
35) Methacrylonitrile	7.16	41	20192m	11.175 ug/l	
36) 1,2-Dichloroethane	8.11	62	64610	12.088 ug/l #	100
37) Trichloroethene	8.82	130	34408	12.082 ug/l	99
38) Methylcyclohexane	9.07	83	57469	12.404 ug/l	98
39) 1,2-Dichloropropane	9.11	63	41222	12.569 ug/l	99
40) Dibromomethane	9.20	93	25212	11.859 ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090319\
 Data File : VN057661.D
 Acq On : 3 Sep 2019 13:41
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 9/5/2019 3:22:43 PM

Quant Time: Sep 04 03:30:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N090319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 04 02:08:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	51487	11.205	ug/l #	96
42) Vinyl Acetate	5.88	43	528960	61.016	ug/l	100
43) Ethyl Acetate	6.91	43	52998m	13.049	ug/l	
44) Isopropyl Acetate	8.15	43	85151	11.214	ug/l	95
45) 1,4-Dioxane	9.19	88	9346	191.736	ug/l #	72
46) Methyl methacrylate	9.19	41	39913	10.833	ug/l	98
47) n-amyl Acetate	12.07	43	53238	9.041	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	50904	10.561	ug/l #	89
49) cis-1,3-Dichloropropene	9.83	75	58091	11.296	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	33794	11.786	ug/l	95
51) Ethyl methacrylate	10.43	69	49874	10.670	ug/l	99
52) 1,3-Dichloropropane	10.70	76	59947	11.746	ug/l	100
53) Dibromochloromethane	10.90	129	30608	10.228	ug/l	98
54) 1,2-Dibromoethane	11.00	107	31723	11.068	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	44759	30.307	ug/l	99
56) Bromoform	12.13	173	16657	8.976	ug/l #	95
58) 4-Methyl-2-Pentanone	9.98	43	234314	60.965	ug/l	99
59) 2-Hexanone	10.75	43	148103	54.455	ug/l	98
61) Tetrachloroethene	10.63	164	32144	12.872	ug/l	99
62) Toluene	10.15	91	152673	12.503	ug/l	98
64) Chlorobenzene	11.43	112	84698	11.813	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	30325	11.545	ug/l	99
66) Ethyl Benzene	11.51	91	163873	12.006	ug/l	97
67) m/p-Xylenes	11.62	106	111924	23.381	ug/l	97
68) o-Xylene	11.95	106	53443	11.212	ug/l	95
69) Styrene	11.96	104	78480	10.272	ug/l	100
70) Isopropylbenzene	12.25	105	150150	11.485	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	41424	12.042	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	36790m	11.372	ug/l	
73) Bromobenzene	12.53	156	26752	9.656	ug/l	90
74) n-propylbenzene	12.59	91	153947	10.637	ug/l	99
75) 2-Chlorotoluene	12.68	91	98957	10.922	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	121224	11.169	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	8831	8.942	ug/l	96
78) 4-Chlorotoluene	12.77	91	84353	9.799	ug/l	99
79) tert-butylbenzene	12.99	119	104098	11.167	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	111305	10.914	ug/l	99
81) sec-Butylbenzene	13.17	105	128138	10.667	ug/l	99
82) p-Isopropyltoluene	13.29	119	106674	10.455	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	37586	9.058	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	33179	8.470	ug/l	97
85) n-Butylbenzene	13.62	91	83601	9.322	ug/l	99
86) Hexachloroethane	13.88	117	18992	10.287	ug/l	96
87) 1,2-Dichlorobenzene	13.66	146	36160	9.446	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	3891	7.716	ug/l	92
89) 1,2,4-Trichlorobenzene	14.91	180	7164	5.401	ug/l	98
90) Hexachlorobutadiene	15.01	225	16645	11.314	ug/l	98
91) Naphthalene	15.13	128	17613	5.113	ug/l	99
92) 1,2,3-Trichlorobenzene	15.29	180	6775	5.257	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090319\
Data File : VN057661.D
Acq On : 3 Sep 2019 13:41
Operator : JC/SP
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

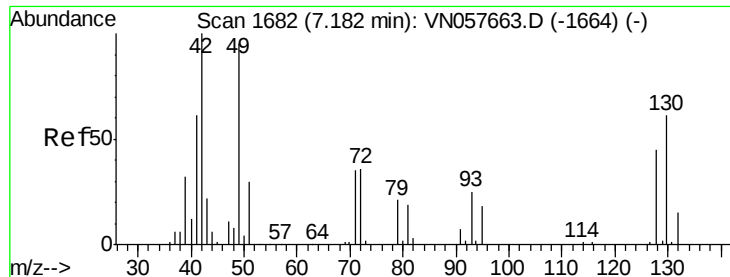
Manual Integrations
APPROVED

MMDadoda
9/5/2019 3:22:43 PM

Quant Time: Sep 04 03:30:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N090319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Sep 04 02:08:50 2019
Response via : Initial Calibration

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

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN057661.D

Acq: 3 Sep 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:128 Resp: 44249

Ion Ratio Lower Upper

128 100

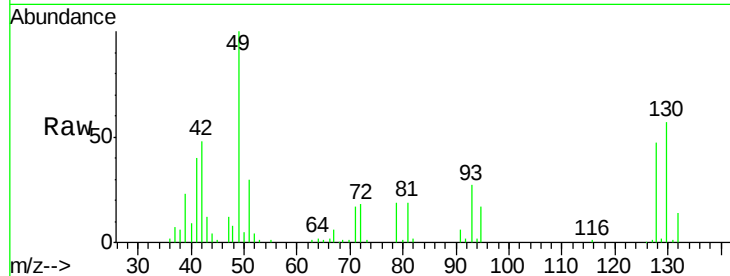
49 213.1 0.0 544.5

130 127.9 0.0 324.7

Manual Integrations
APPROVED

MMDadoda

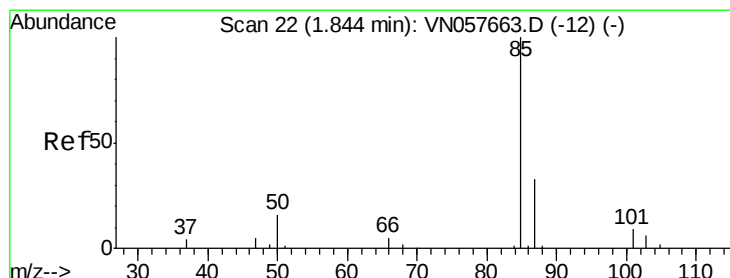
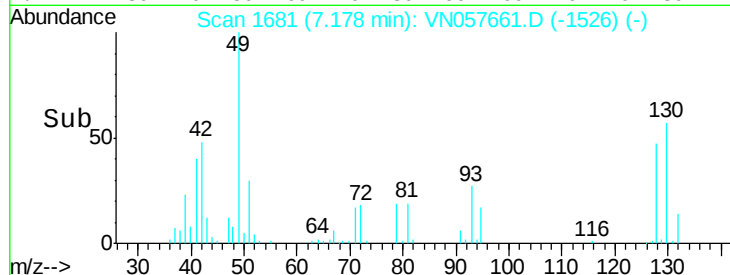
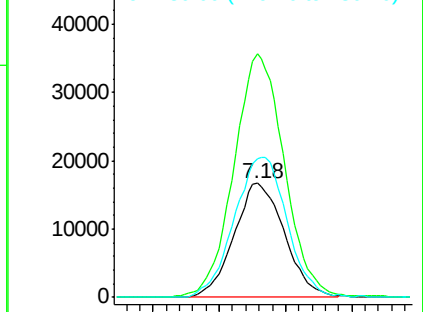
9/5/2019 3:22:43 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 12.134 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057661.D

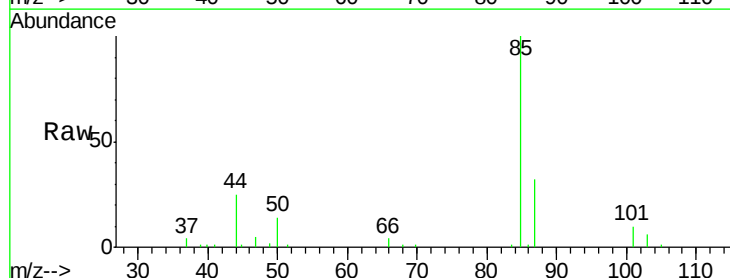
Acq: 3 Sep 2019 13:41

Tgt Ion: 85 Resp: 38681

Ion Ratio Lower Upper

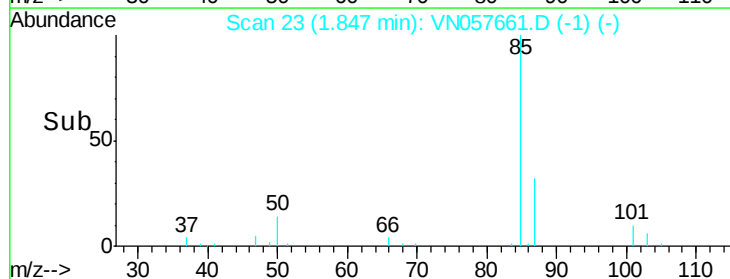
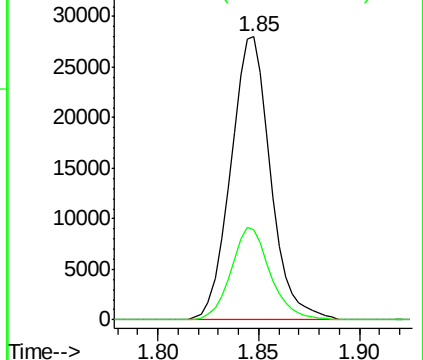
85 100

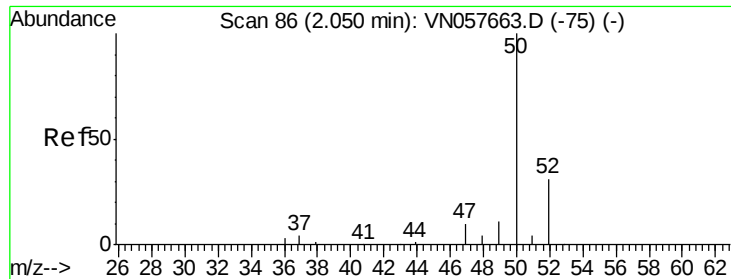
87 32.0 16.6 49.7



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 12.406 ug/l

RT: 2.05 min Scan# 87

Delta R.T. 0.00 min

Lab File: VN057661.D

Acq: 3 Sep 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 41709

Ion Ratio Lower Upper

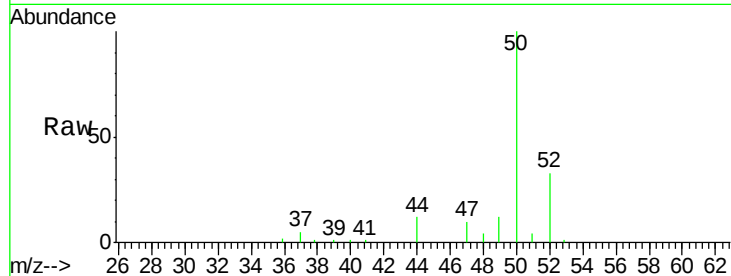
50 100

52 32.5 25.2 37.8

Manual Integrations
APPROVED

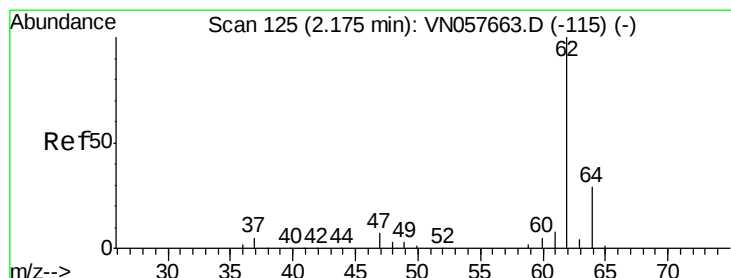
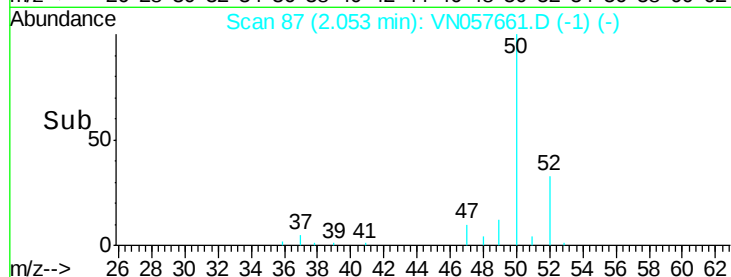
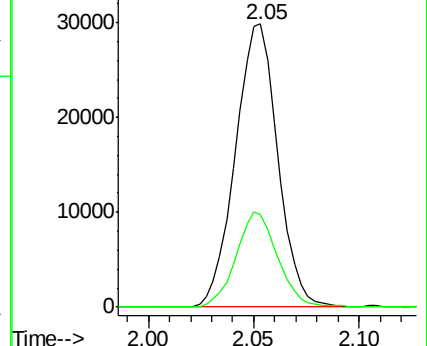
MMDadoda

9/5/2019 3:22:43 PM



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 12.047 ug/l

RT: 2.18 min Scan# 126

Delta R.T. 0.00 min

Lab File: VN057661.D

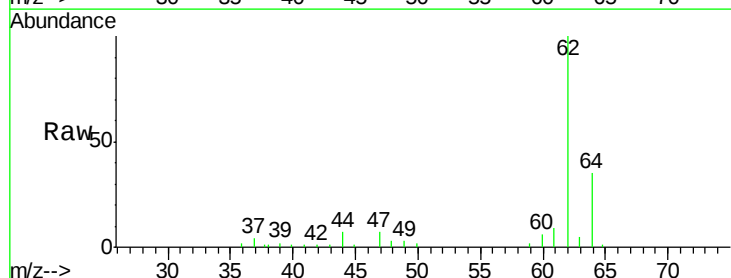
Acq: 3 Sep 2019 13:41

Tgt Ion: 62 Resp: 33120

Ion Ratio Lower Upper

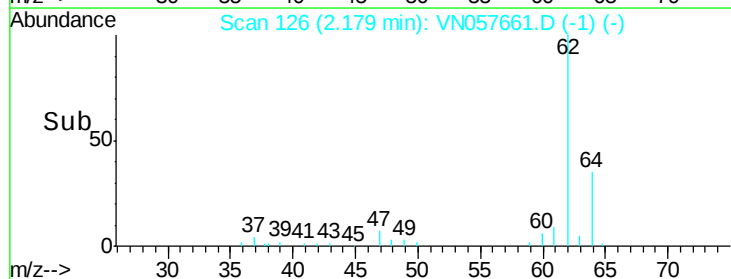
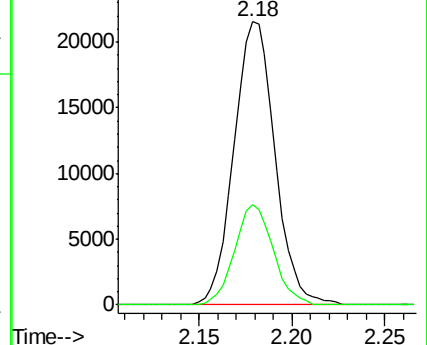
62 100

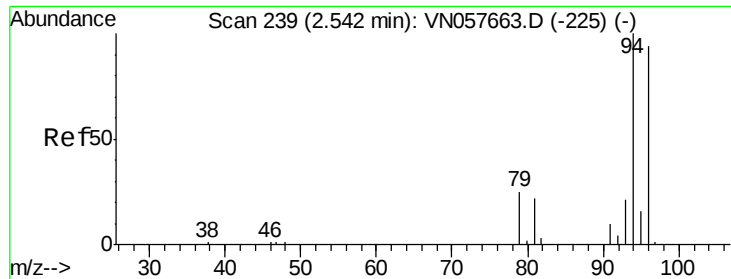
64 35.3 23.2 34.8#



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 13.791 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.01 min

Lab File: VN057661.D

Acq: 3 Sep 2019 13:41

Tot Ion: 94 Resp: 24238

Ion Ratio Lower Upper

94 100

96 97.7 75.6 113.4

Instrument :

MSVOA_N

ClientSampleId :

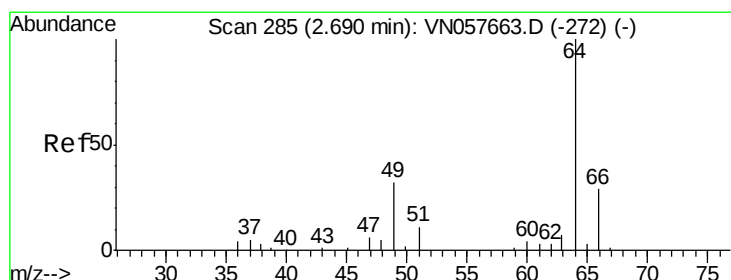
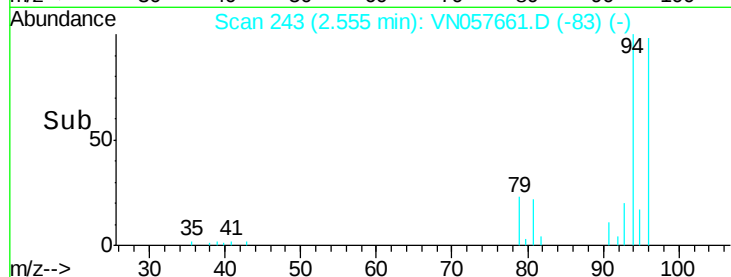
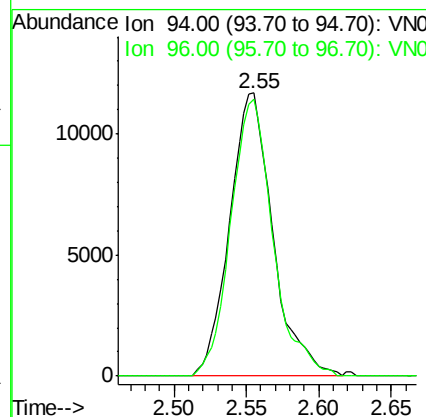
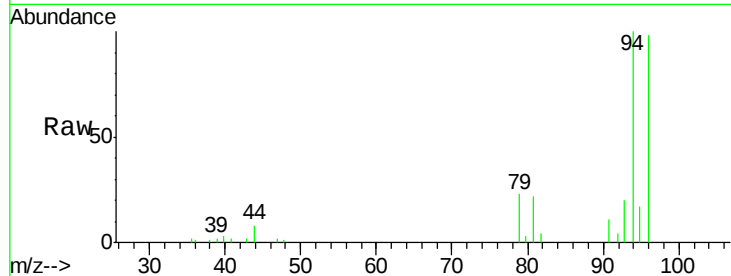
VSTDCCC020

Manual Integrations

APPROVED

MMDadoda

9/5/2019 3:22:43 PM



#6

Chloroethane

Concen: 12.477 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.01 min

Lab File: VN057661.D

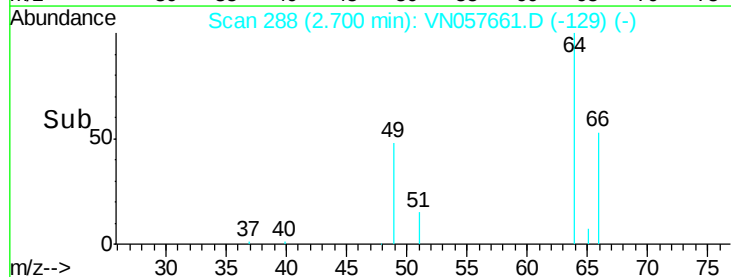
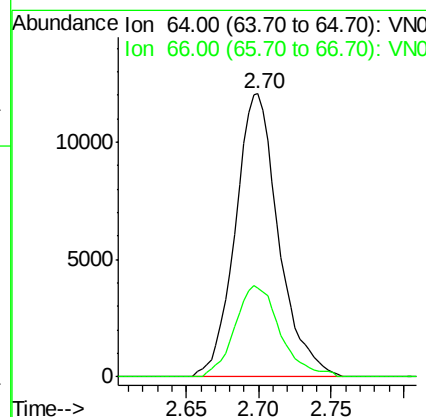
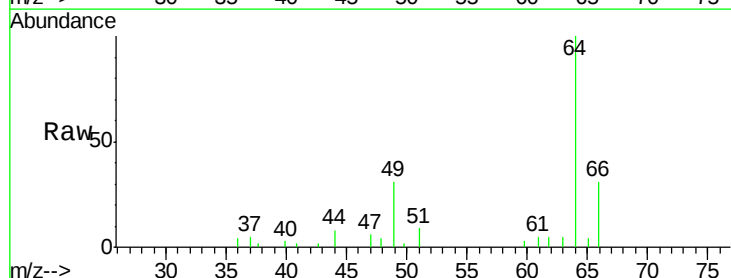
Acq: 3 Sep 2019 13:41

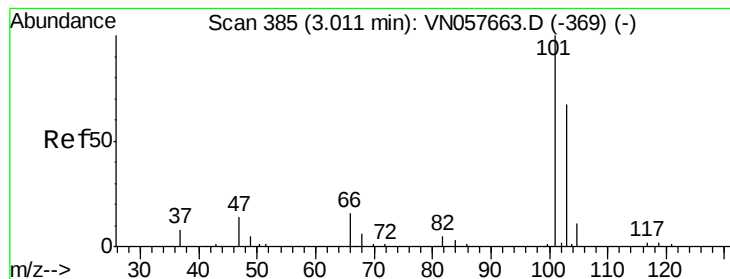
Tgt Ion: 64 Resp: 25048

Ion Ratio Lower Upper

64 100

66 31.3 23.5 35.3





#7

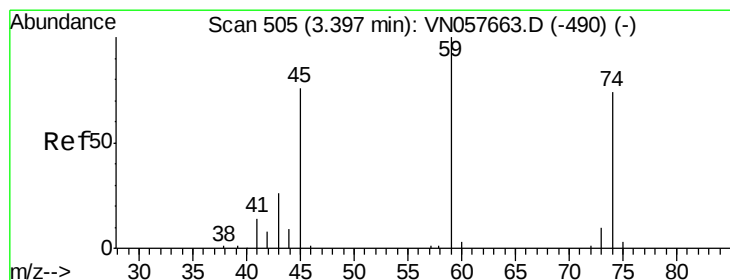
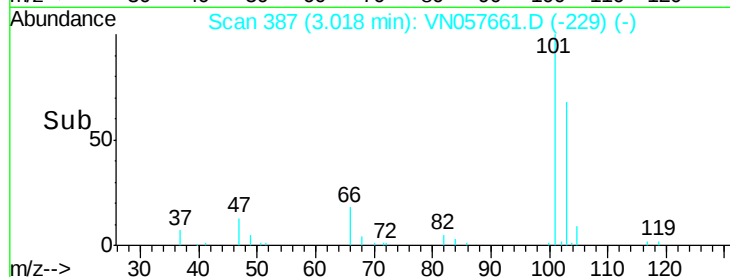
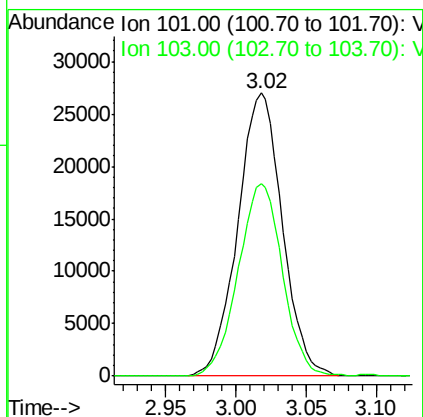
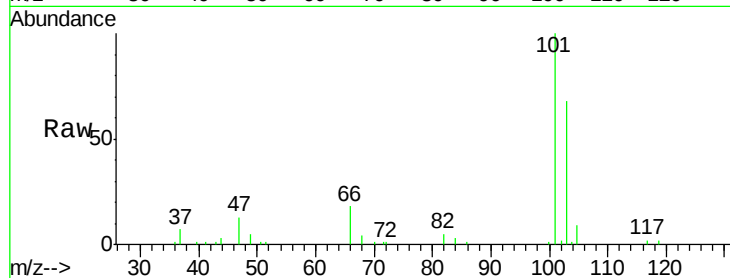
Trichlorofluoromethane
 Concen: 11.333 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.01 min
 Lab File: VN057661.D
 Acq: 3 Sep 2019 13:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		59671		
103	67.9	53.6	80.4		

Manual Integrations
 APPROVED

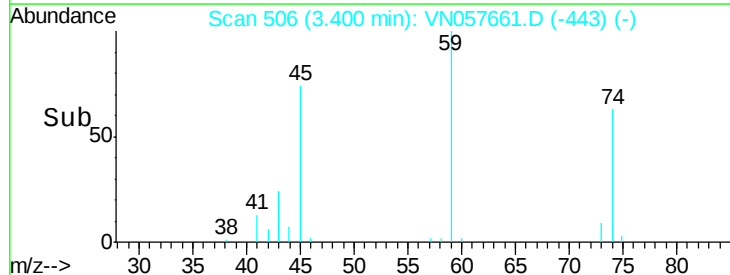
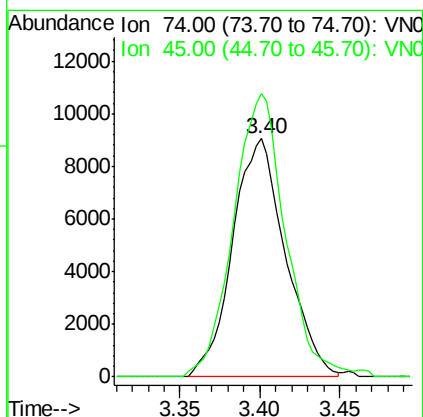
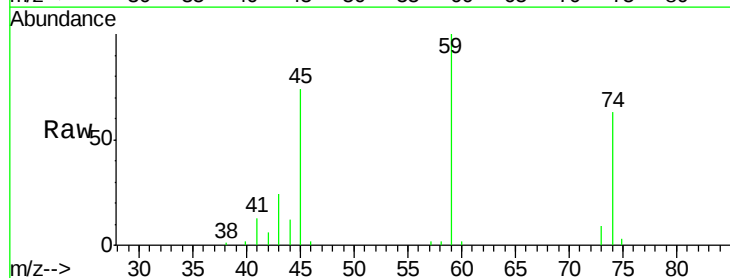
MMDadoda
 9/5/2019 3:22:43 PM

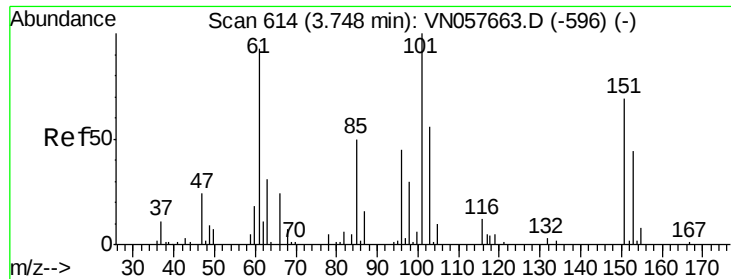


#8

Diethyl Ether
 Concen: 11.841 ug/l
 RT: 3.40 min Scan# 506
 Delta R.T. 0.00 min
 Lab File: VN057661.D
 Acq: 3 Sep 2019 13:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		20507		
45	116.8	22.9	205.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.820 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.01 min

Lab File: VN057661.D

Acq: 3 Sep 2019 13:41

Instrument :

MSVOA_N

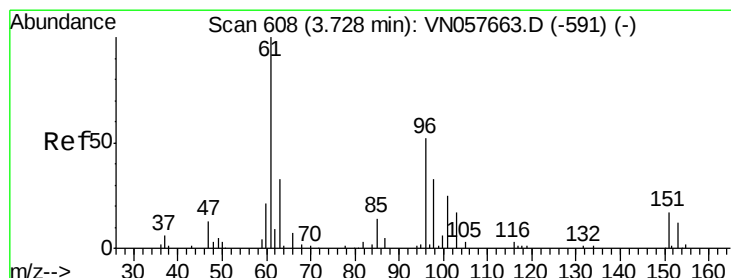
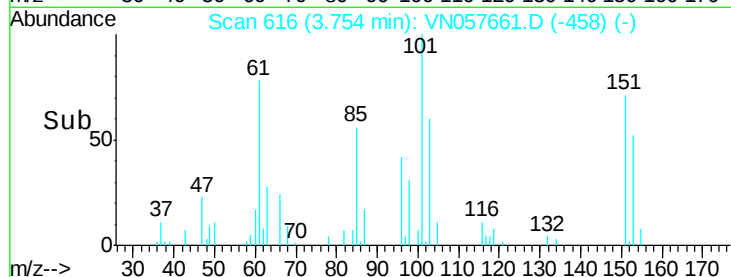
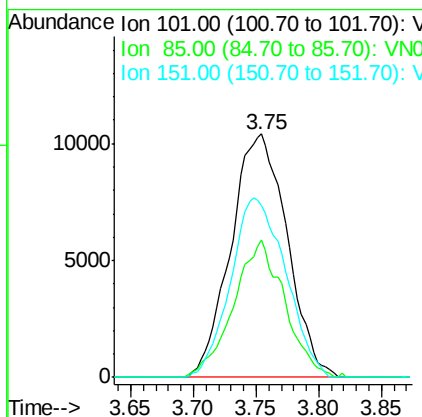
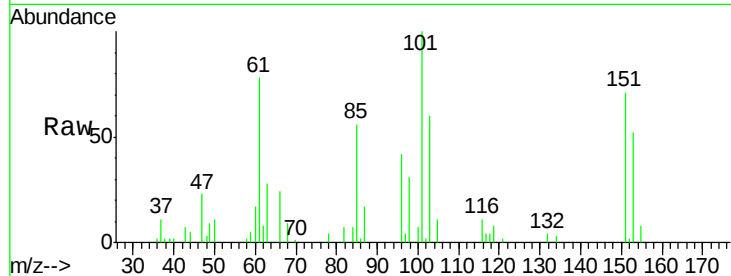
ClientSampled :

VSTDCCC020

Tot Ion:	101	Resp:	32344
Ion Ratio	Lower	Upper	
101	100		
85	51.2	0.0	100.2
151	72.4	0.0	140.6

Manual Integrations
APPROVED

MMDadoda
9/5/2019 3:22:43 PM



#10

1,1-Dichloroethene

Concen: 12.195 ug/l

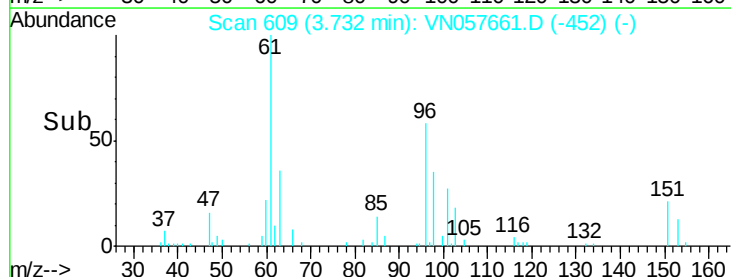
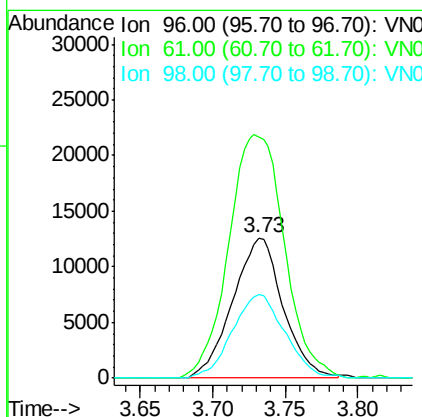
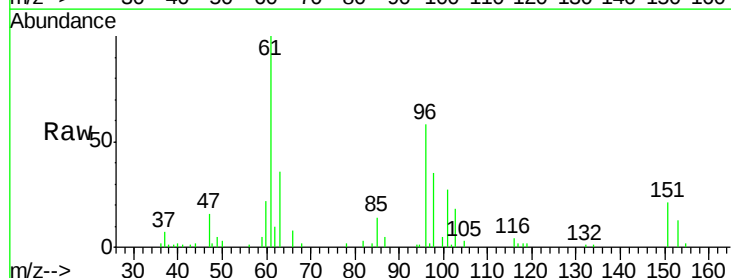
RT: 3.73 min Scan# 609

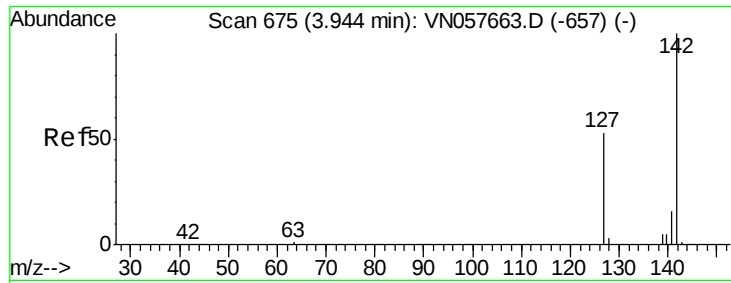
Delta R.T. 0.00 min

Lab File: VN057661.D

Acq: 3 Sep 2019 13:41

Tgt Ion:	96	Resp:	30442
Ion Ratio	Lower	Upper	
96	100		
61	170.2	152.9	229.3
98	60.0	51.0	76.4





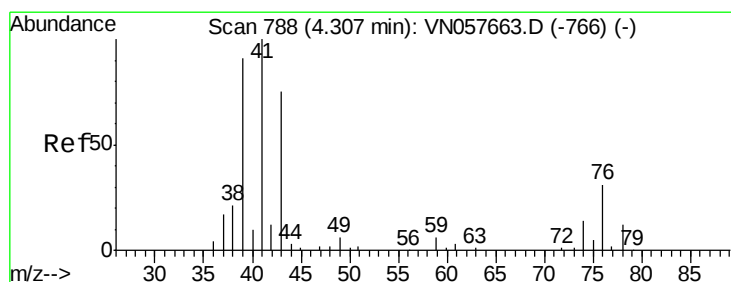
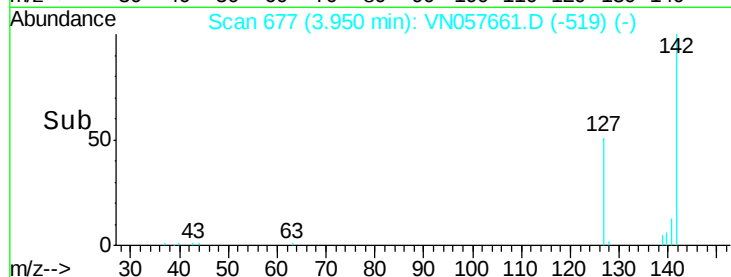
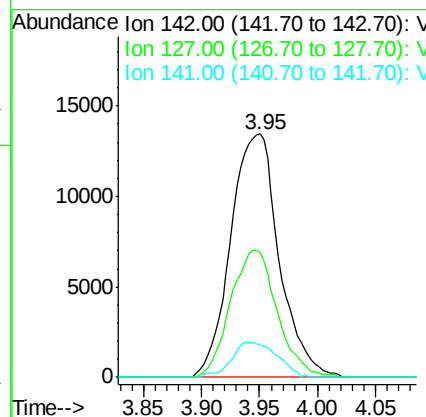
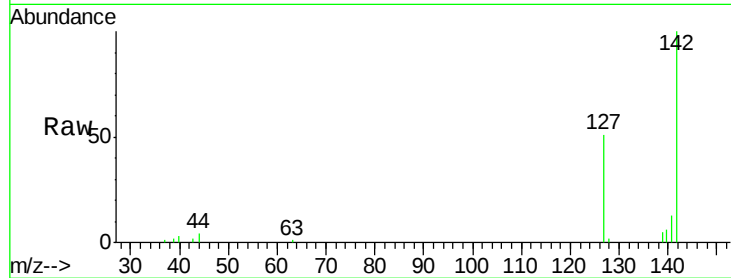
#11
Methvl Iodide
Concen: 11.277 ug/l
RT: 3.95 min Scan# 677
Delta R.T. 0.01 min
Lab File: VN057661.D
Acq: 3 Sep 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	51.1	26.2	78.5
141	13.1	7.6	22.9

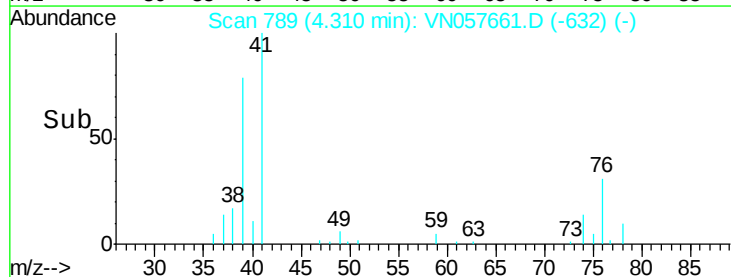
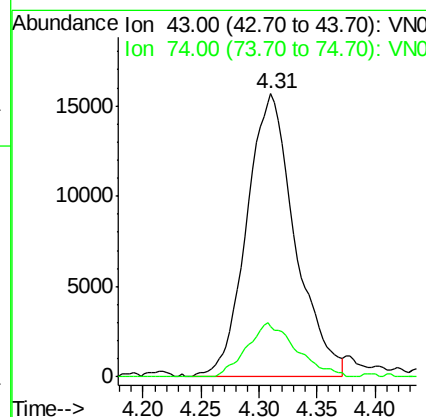
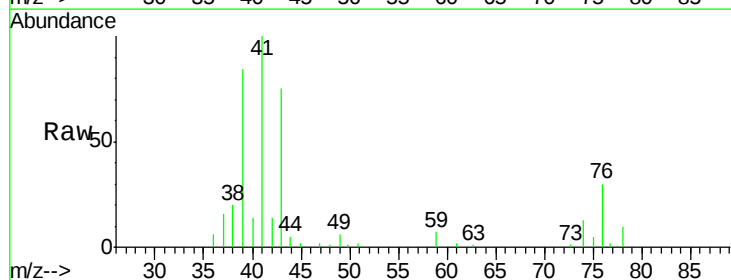
Manual Integrations
APPROVED

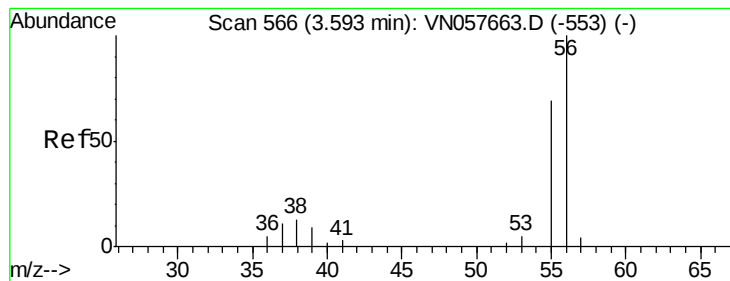
MMDadoda
9/5/2019 3:22:43 PM



#12
Methyl Acetate
Concen: 12.201 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN057661.D
Acq: 3 Sep 2019 13:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	17.7	14.6	22.0





#13

Acrolein

Concen: 46.354 ug/l

RT: 3.60 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN057661.D

Acq: 3 Sep 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 56 Resp: 9803

Ion Ratio Lower Upper

56 100

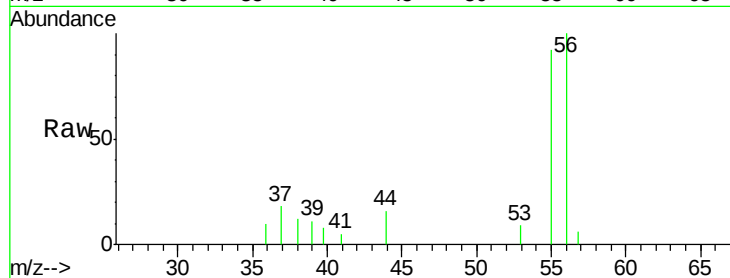
55 83.9 54.2 81.4#

Manual Integrations

APPROVED

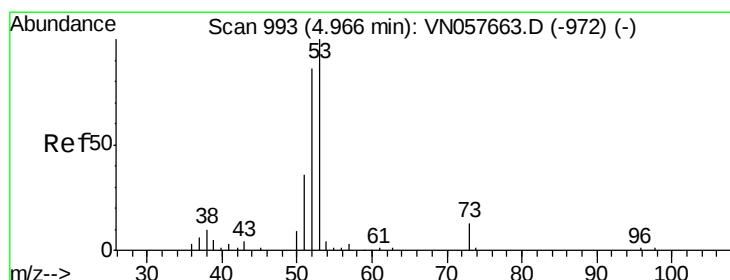
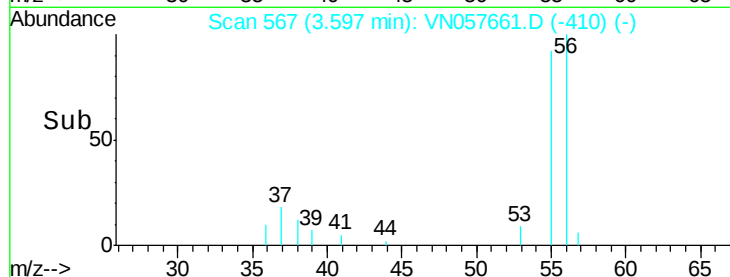
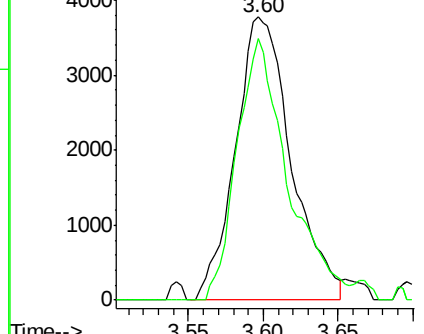
MMDadoda

9/5/2019 3:22:43 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 58.626 ug/l

RT: 4.97 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN057661.D

Acq: 3 Sep 2019 13:41

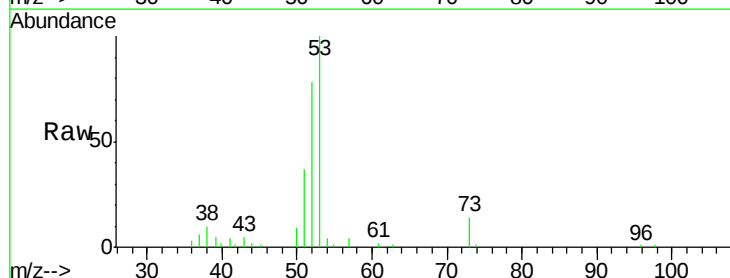
Tgt Ion: 53 Resp: 79526

Ion Ratio Lower Upper

53 100

52 77.1 41.9 125.7

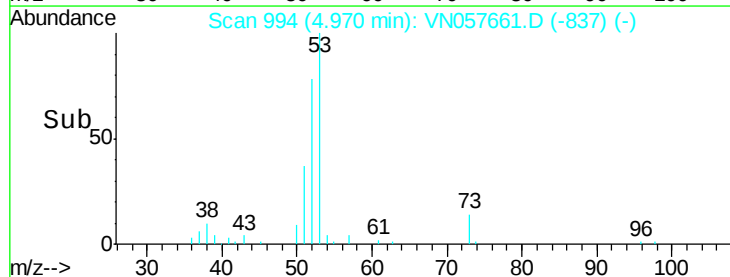
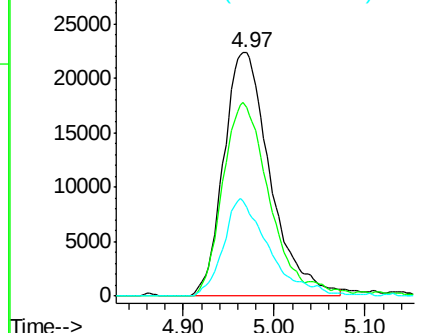
51 36.7 19.4 58.2

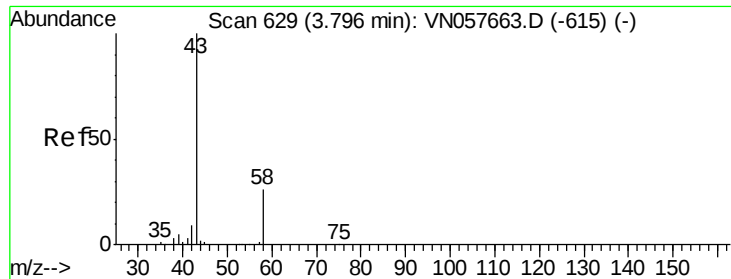


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 59.977 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN057661.D

Acq: 3 Sep 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 58 Resp: 22821

Ion Ratio Lower Upper

58 100

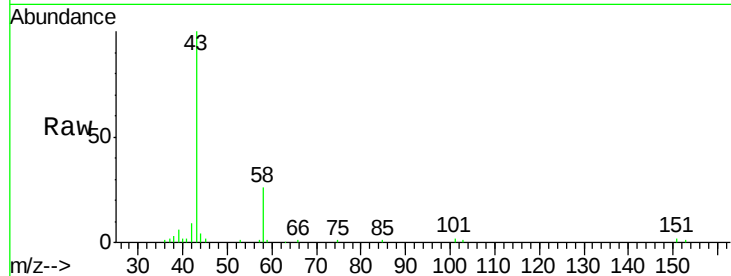
43 379.4 308.8 463.2

Manual Integrations

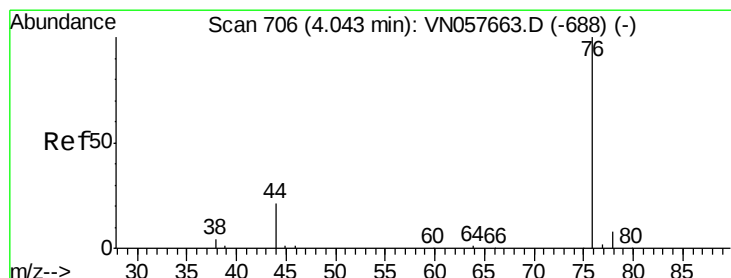
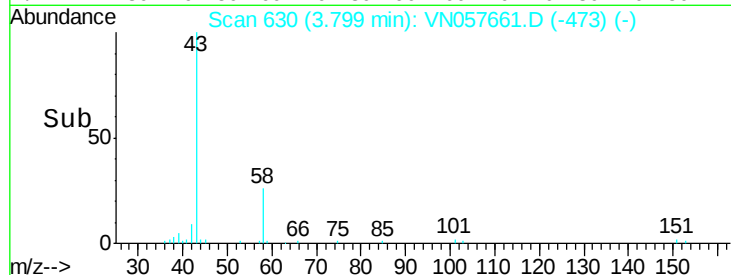
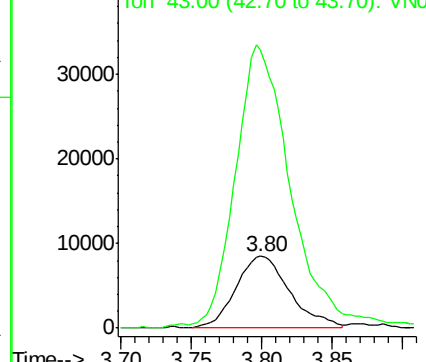
APPROVED

MMDadoda

9/5/2019 3:22:43 PM



Abundance Ion 58.00 (57.70 to 58.70): VN057661.D (-473) (-)



#16

Carbon Disulfide

Concen: 12.016 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN057661.D

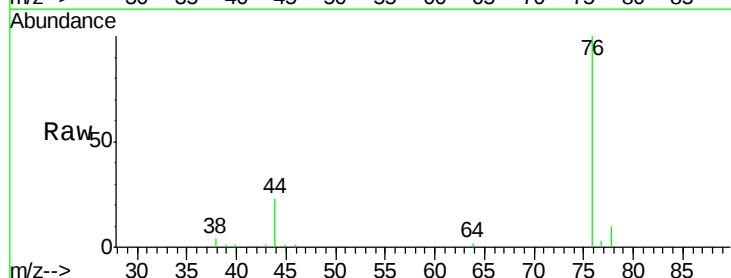
Acq: 3 Sep 2019 13:41

Tgt Ion: 76 Resp: 75350

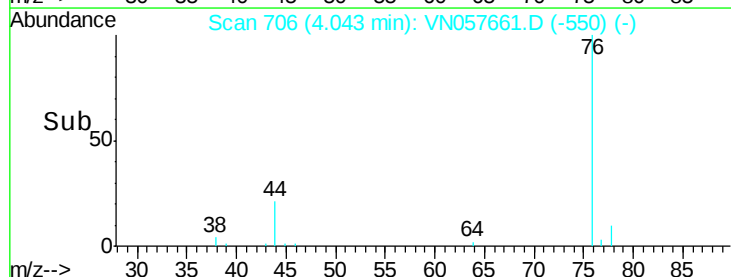
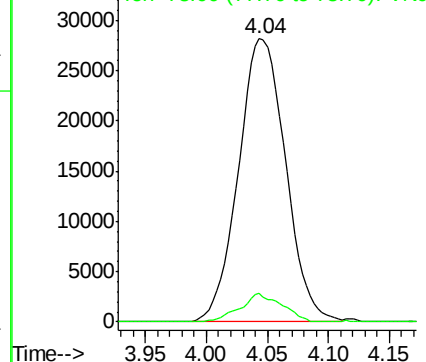
Ion Ratio Lower Upper

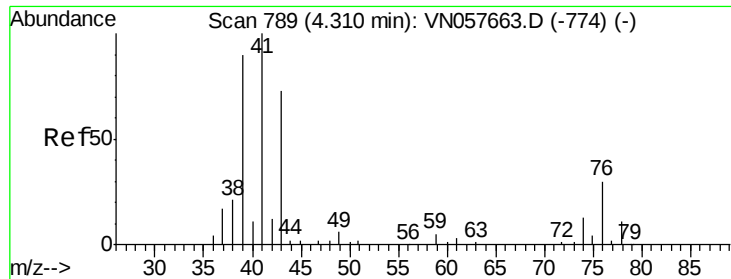
76 100

78 10.0 6.8 10.2



Abundance Ion 76.00 (75.70 to 76.70): VN057661.D (-550) (-)





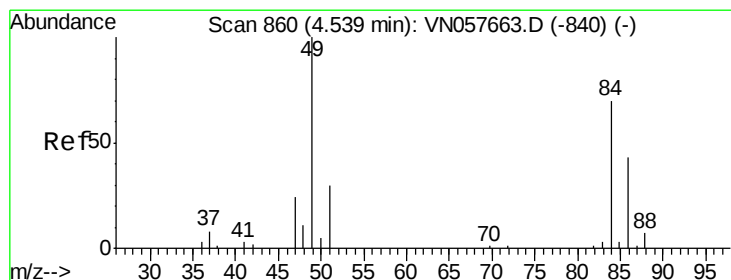
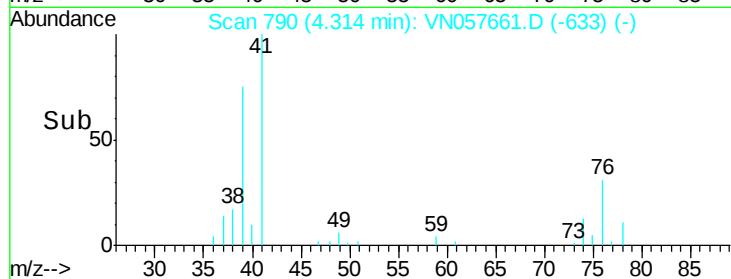
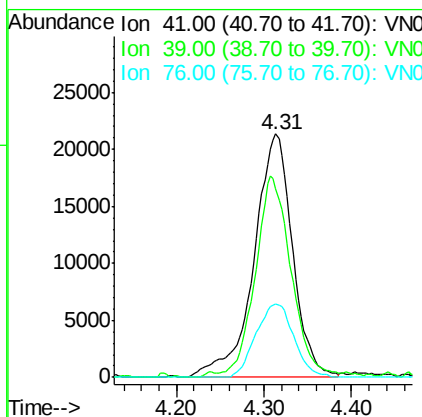
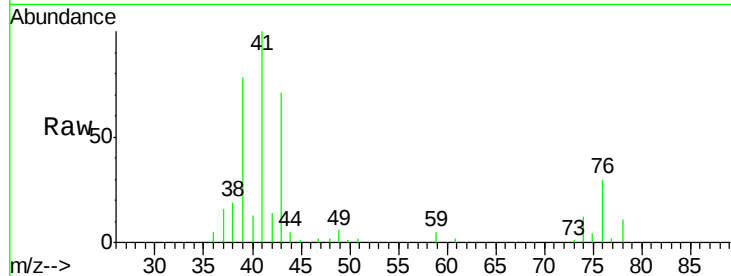
#17
Allvl chloride
Concen: 12.275 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN057661.D
Acq: 3 Sep 2019 13:41

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		65447		
39	77.6	43.0	128.8		
76	30.0	14.2	42.8		

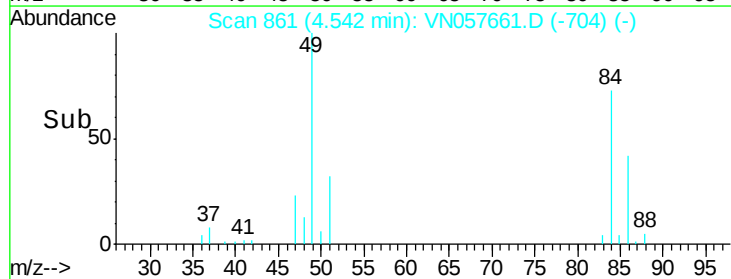
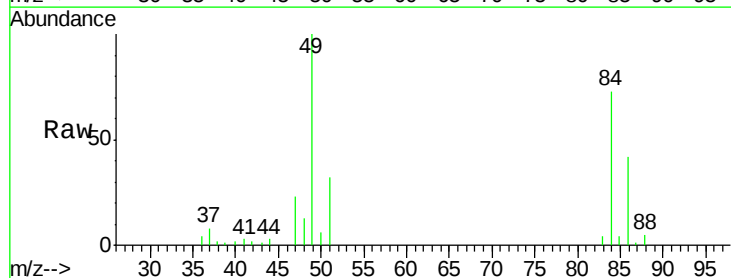
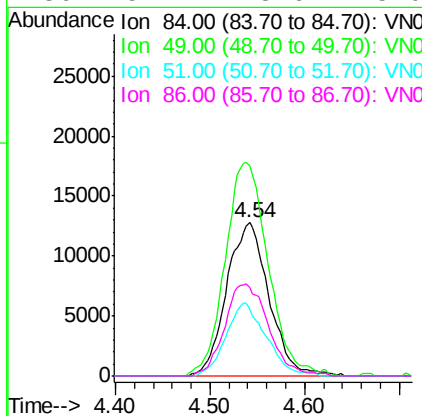
Manual Integrations
APPROVED

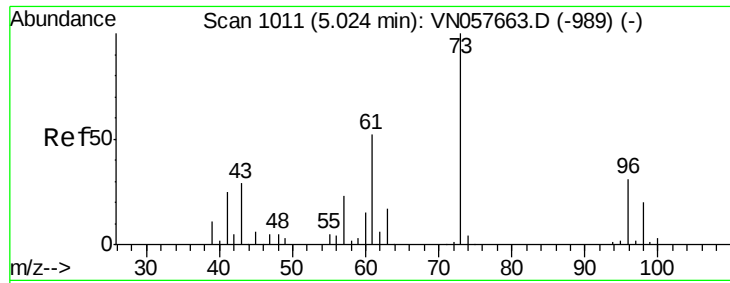
MMDadoda
9/5/2019 3:22:43 PM



#18
Methylene Chloride
Concen: 12.710 ug/l
RT: 4.54 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN057661.D
Acq: 3 Sep 2019 13:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
84	100		39759		
49	136.9	113.7	170.5		
51	43.8	34.5	51.7		
86	57.4	48.6	73.0		





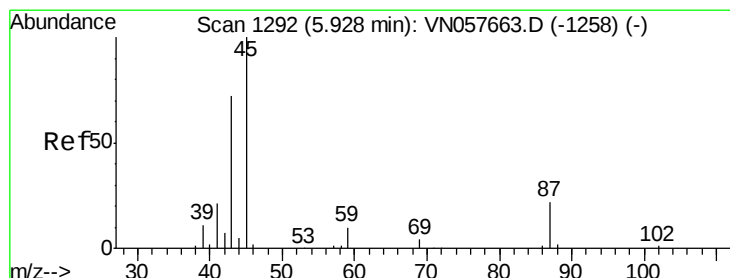
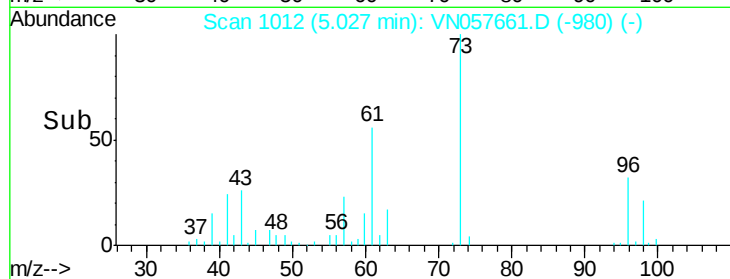
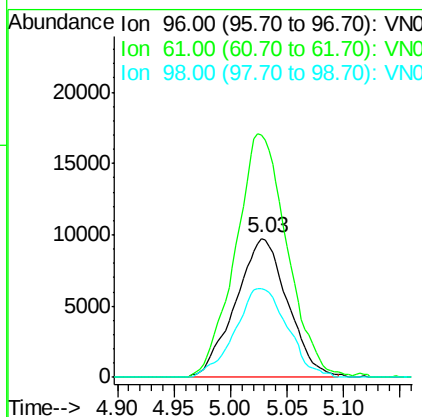
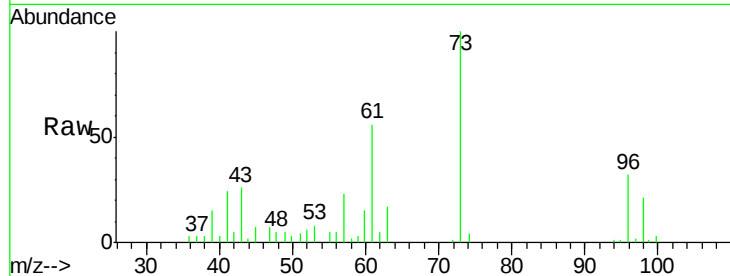
#19
trans-1,2-Dichloroethene
Concen: 11.848 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN057661.D
Acq: 3 Sep 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	174.7	133.4	200.0
98	65.9	50.4	75.6

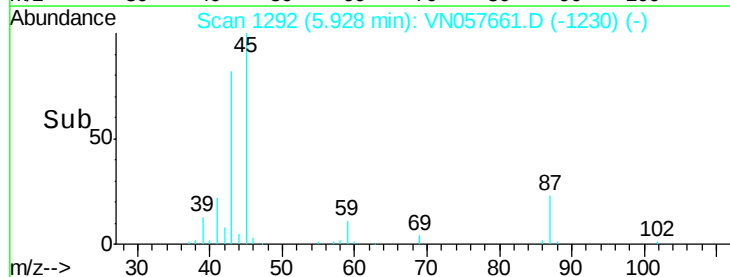
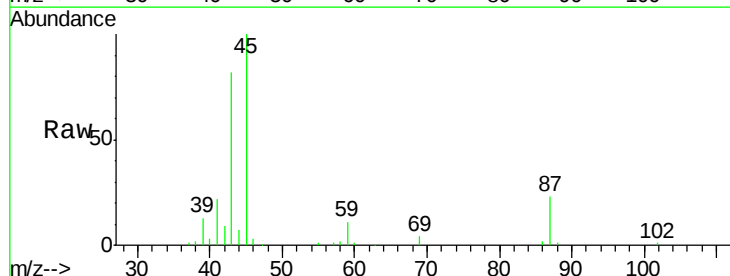
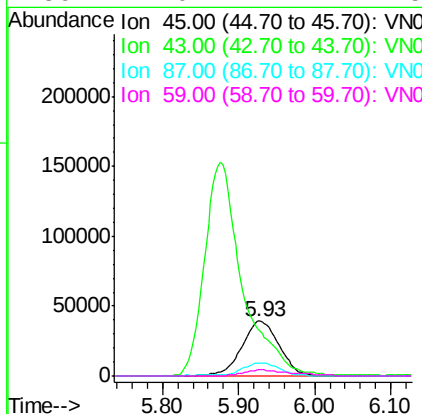
Manual Integrations
APPROVED

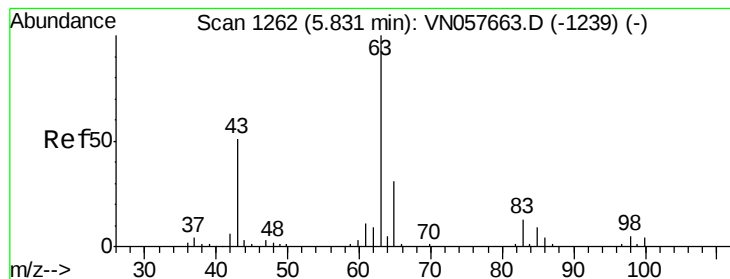
MMDadoda
9/5/2019 3:22:43 PM



#20
Diisopropyl ether
Concen: 11.766 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN057661.D
Acq: 3 Sep 2019 13:41

Tgt Ion	Ratio	Lower	Upper
45	100		
43	79.0	58.3	87.5
87	22.5	18.5	27.7
59	11.0	7.7	11.5





#21

1,1-Dichloroethane

Concen: 11.890 ug/l

RT: 5.83 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN057661.D

Acq: 3 Sep 2019 13:41

Instrument :

MSVOA_N

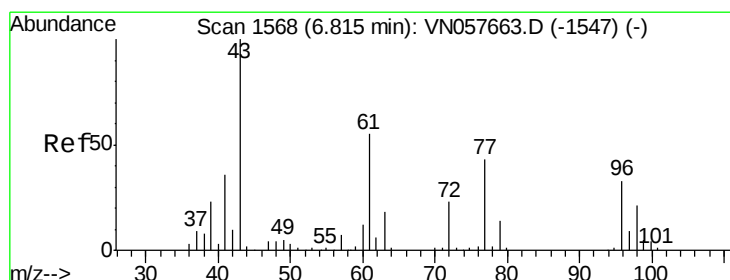
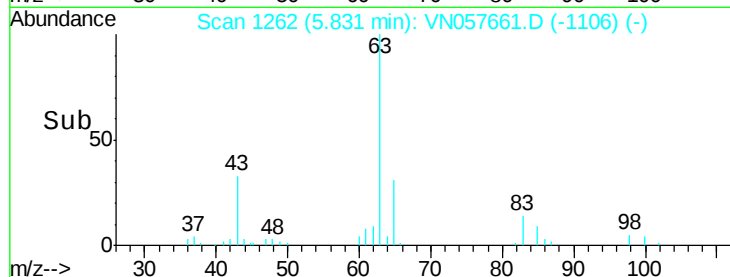
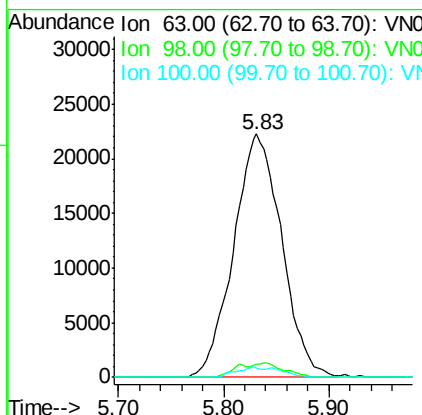
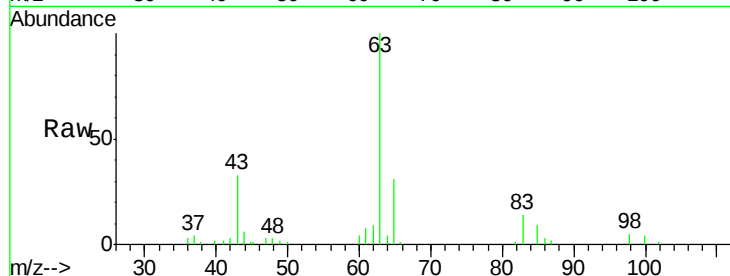
ClientSampleId :

VSTDCCC020

Tot Ion:	63	Resp:	70406
Ion	Ratio	Lower	Upper
63	100		
98	5.4	2.6	7.8
100	4.0	1.8	5.5

Manual Integrations
APPROVED

MMDadoda
9/5/2019 3:22:43 PM



#22

cis-1,2-Dichloroethene

Concen: 12.417 ug/l

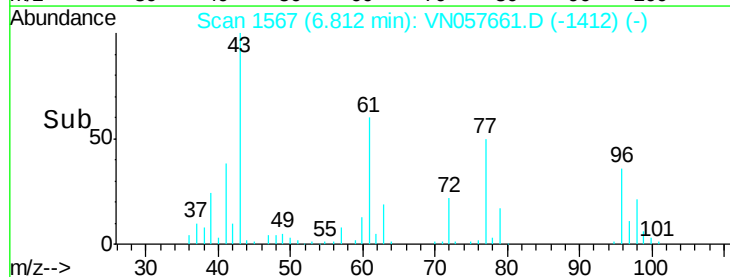
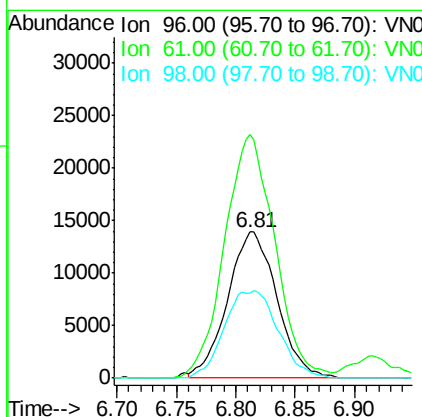
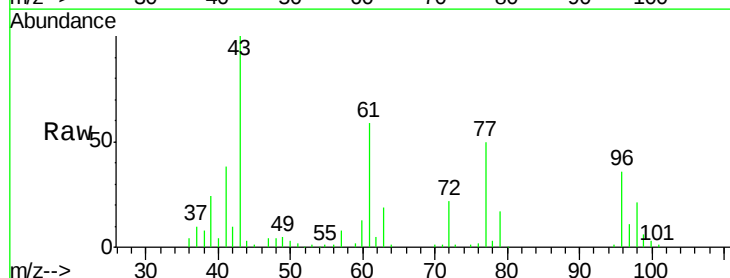
RT: 6.81 min Scan# 1567

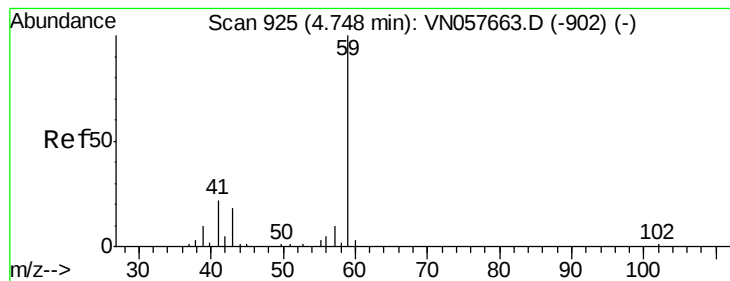
Delta R.T. -0.00 min

Lab File: VN057661.D

Acq: 3 Sep 2019 13:41

Tgt Ion:	96	Resp:	40049
Ion	Ratio	Lower	Upper
96	100		
61	169.2	137.2	205.8
98	32.6	50.5	75.7#





#23

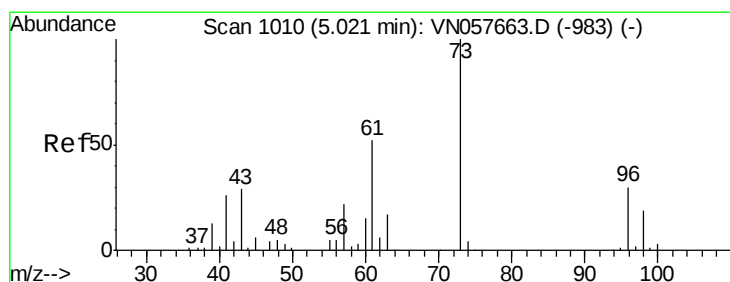
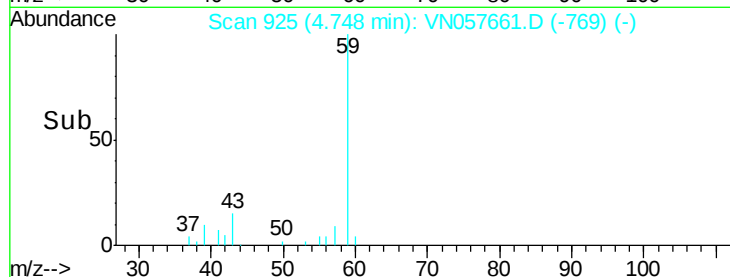
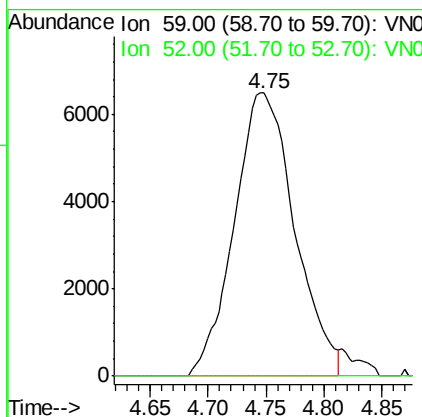
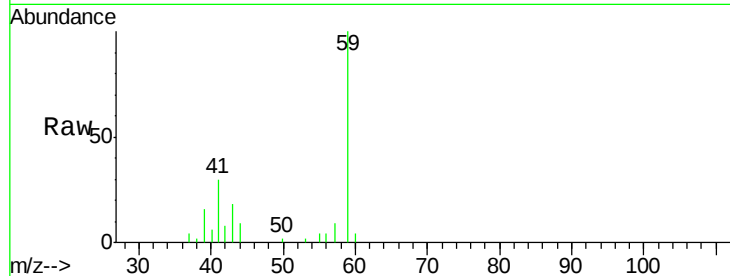
tert-Butyl Alcohol
 Concen: 47.713 ug/l
 RT: 4.75 min Scan# 925
 Delta R.T. 0.00 min
 Lab File: VN057661.D
 Acq: 3 Sep 2019 13:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

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

Manual Integrations
 APPROVED

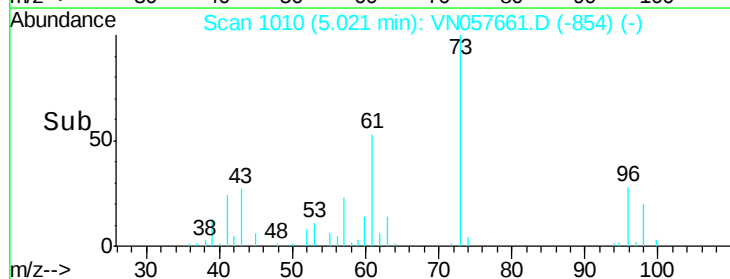
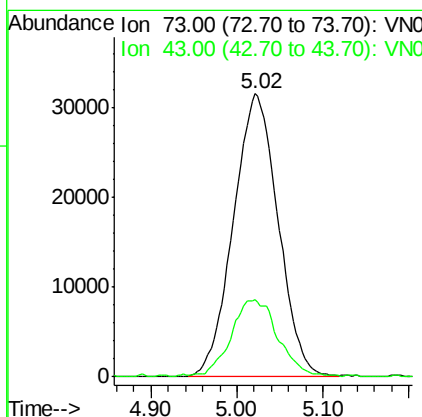
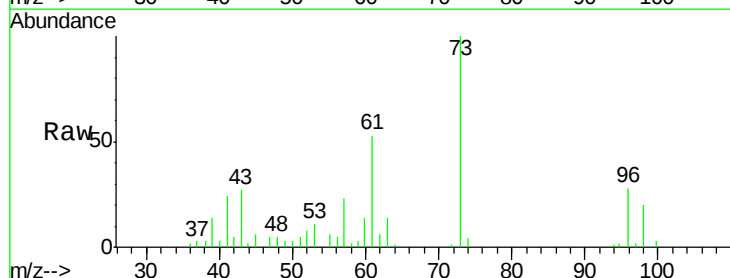
MMDadoda
 9/5/2019 3:22:43 PM

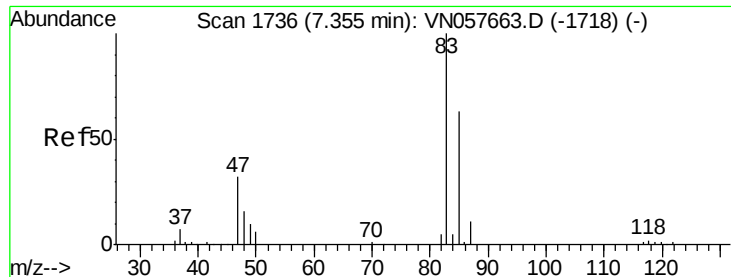


#24

Methyl tert-Butyl Ether
 Concen: 11.522 ug/l
 RT: 5.02 min Scan# 1010
 Delta R.T. 0.00 min
 Lab File: VN057661.D
 Acq: 3 Sep 2019 13:41

Tgt Ion	73	Ratio	Lower	Upper
73	100			
43	17.9	23.2	34.8	





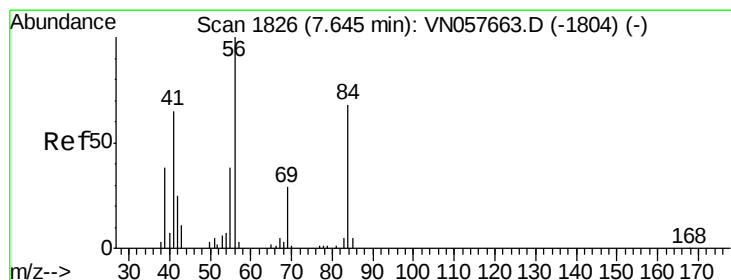
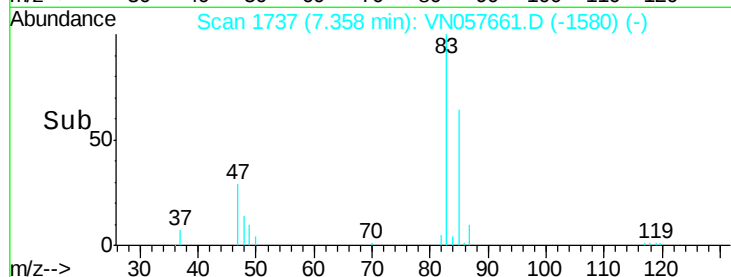
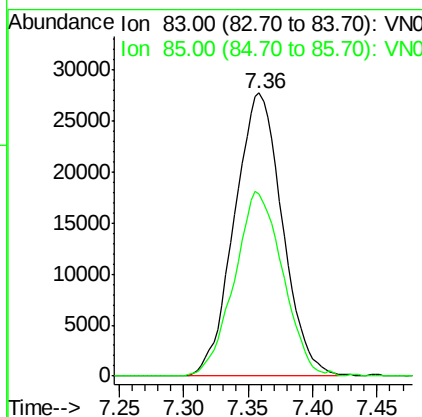
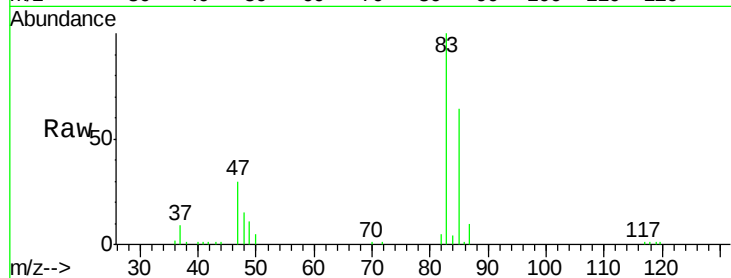
#25
Chloroform
Concen: 11.682 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057661.D
Acq: 3 Sep 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	71709
Ion Ratio	100	Lower	Upper
83	100		
85	64.2	50.8	76.2

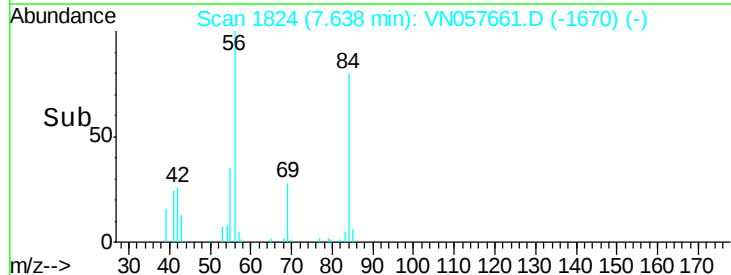
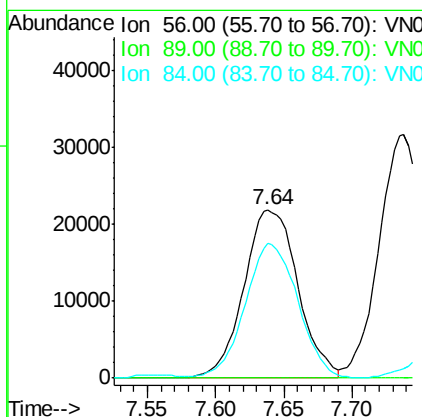
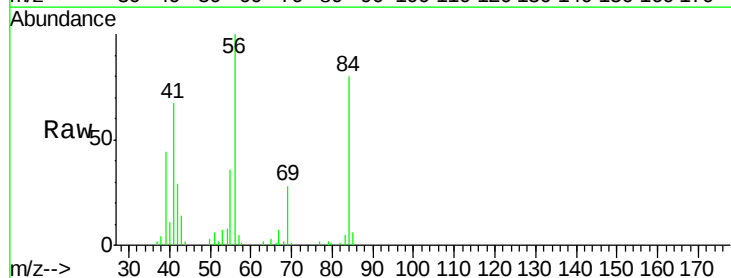
Manual Integrations
APPROVED

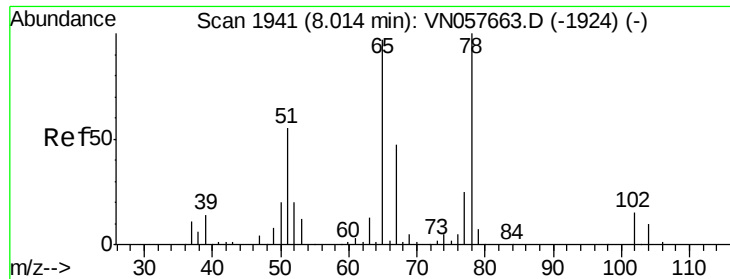
MMDadoda
9/5/2019 3:22:43 PM



#26
Cyclohexane
Concen: 11.937 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. -0.01 min
Lab File: VN057661.D
Acq: 3 Sep 2019 13:41

Tgt Ion	56	Resp	60190
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	78.4	60.4	90.6





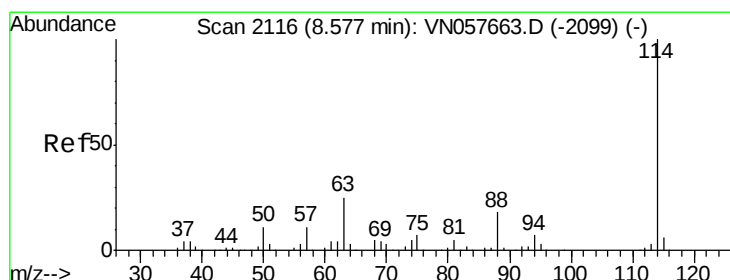
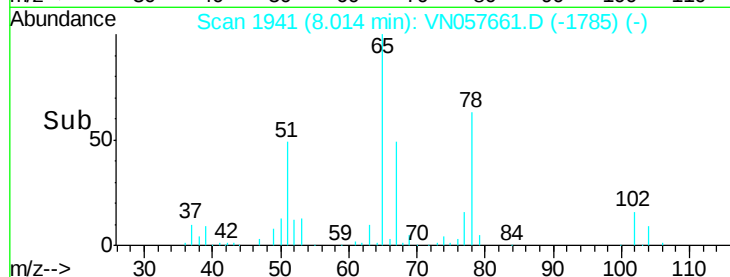
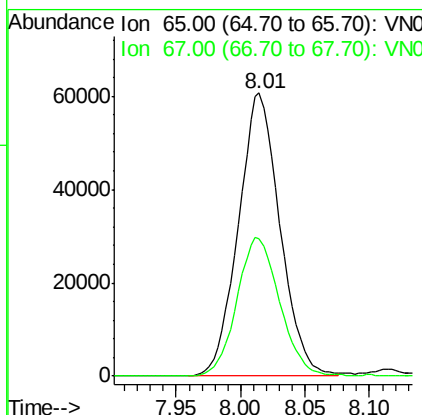
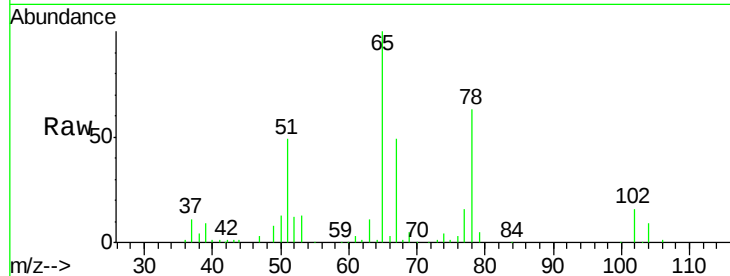
#27
 1,2-Dichloroethane-d4
 Concen: 28.963 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057661.D
 Acq: 3 Sep 2019 13:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 65 Resp: 136237
 Ion Ratio Lower Upper
 65 100
 67 50.4 38.6 57.8

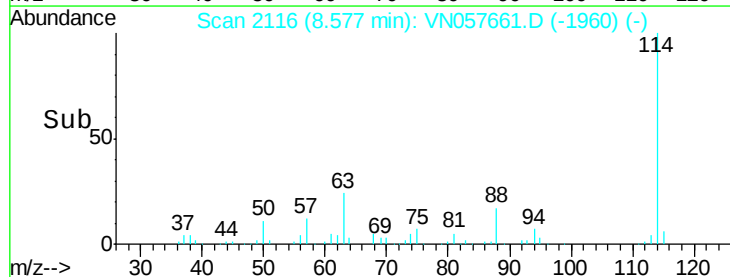
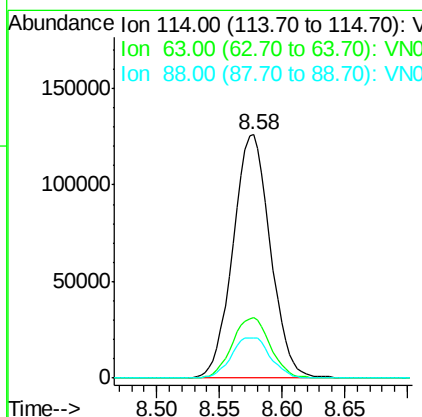
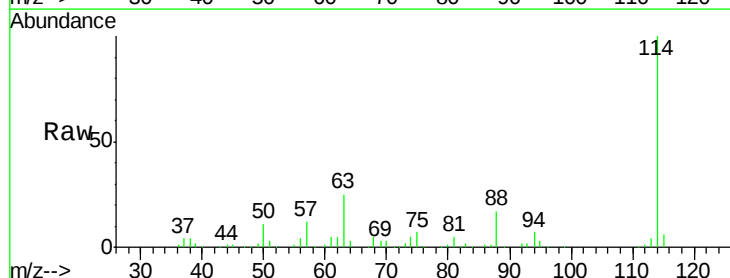
Manual Integrations
 APPROVED

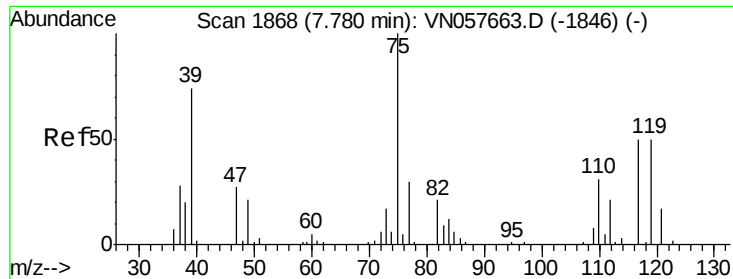
MMDadoda
 9/5/2019 3:22:43 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057661.D
 Acq: 3 Sep 2019 13:41

Tgt Ion: 114 Resp: 261472
 Ion Ratio Lower Upper
 114 100
 63 25.2 20.6 30.8
 88 17.4 14.3 21.5





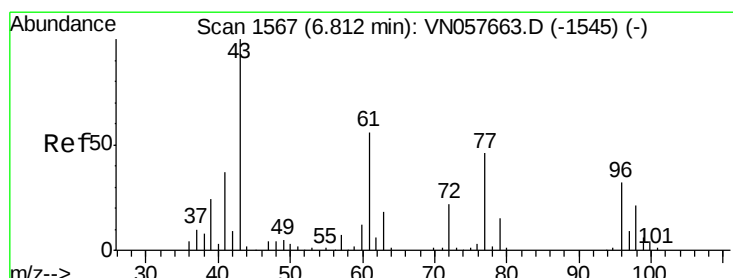
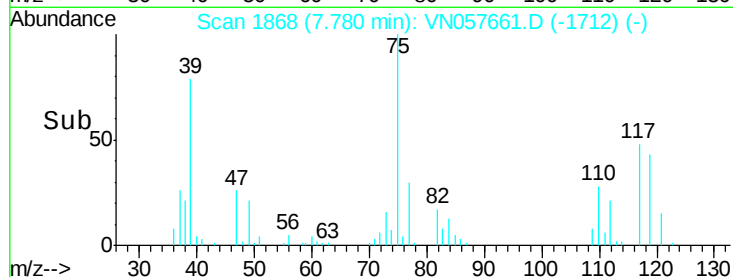
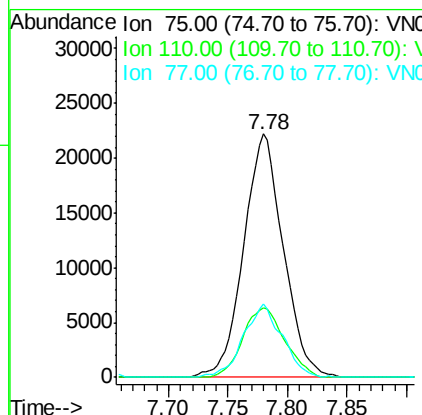
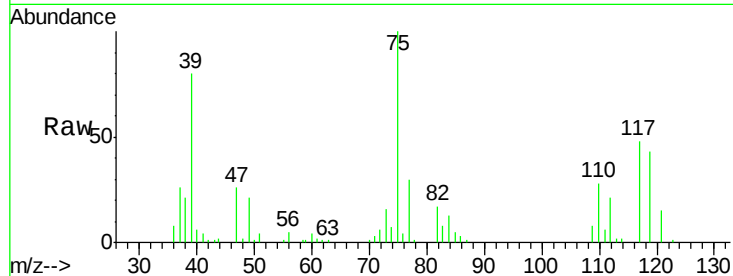
#29
 1,1-Dichloropropene
 Concen: 12.273 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN057661.D
 Acq: 3 Sep 2019 13:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	30.1	0.0	62.8
77	29.2	0.0	57.8

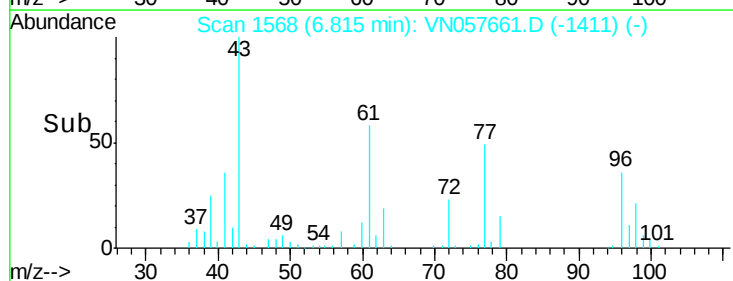
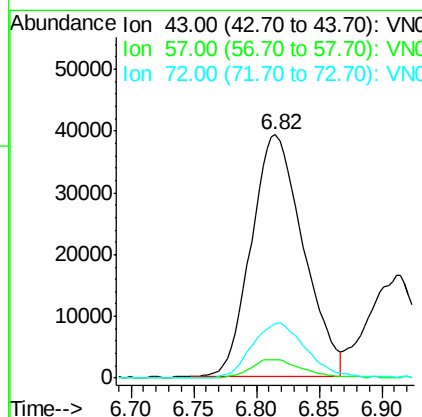
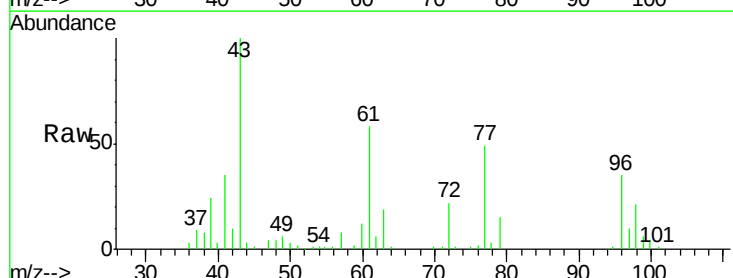
Manual Integrations
 APPROVED

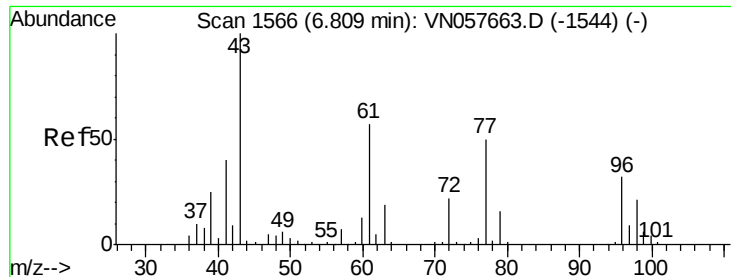
MMDadoda
 9/5/2019 3:22:43 PM



#30
 2-Butanone
 Concen: 57.598 ug/l
 RT: 6.82 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN057661.D
 Acq: 3 Sep 2019 13:41

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.6	2.6	3.8#
72	23.7	18.1	27.1





#31

2,2-Dichloropropane

Concen: 11.754 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN057661.D

Acq: 3 Sep 2019 13:41

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 77 Resp: 60738

Ion Ratio Lower Upper

77 100

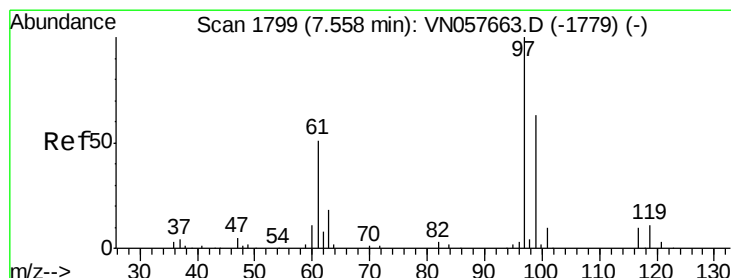
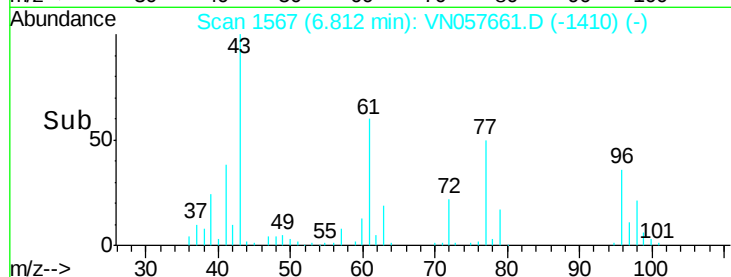
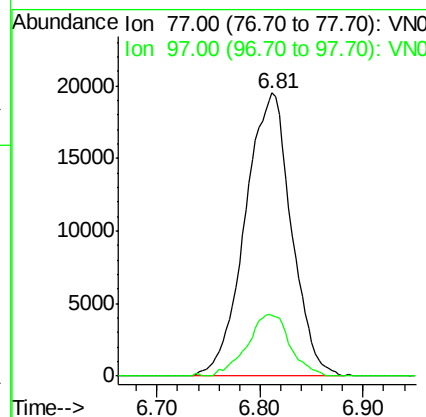
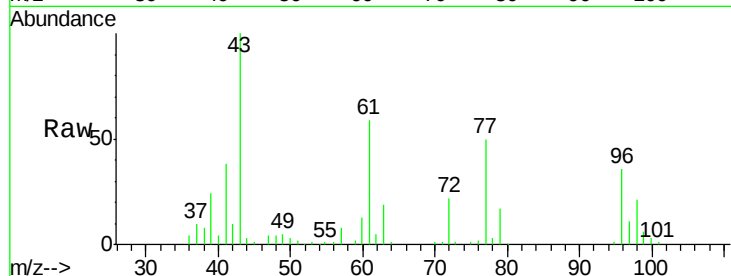
97 19.9 8.8 13.2#

Manual Integrations

APPROVED

MMDadoda

9/5/2019 3:22:43 PM



#32

1,1,1-Trichloroethane

Concen: 12.196 ug/l

RT: 7.56 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN057661.D

Acq: 3 Sep 2019 13:41

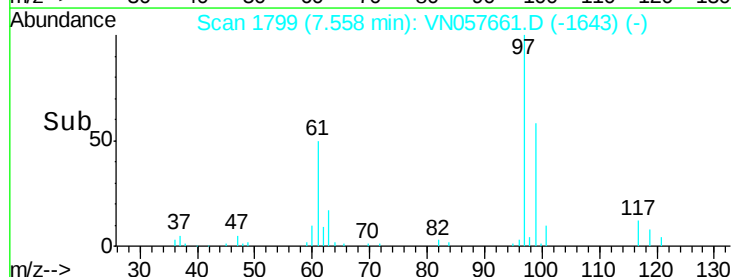
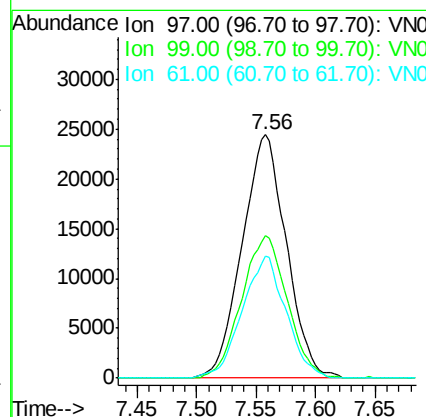
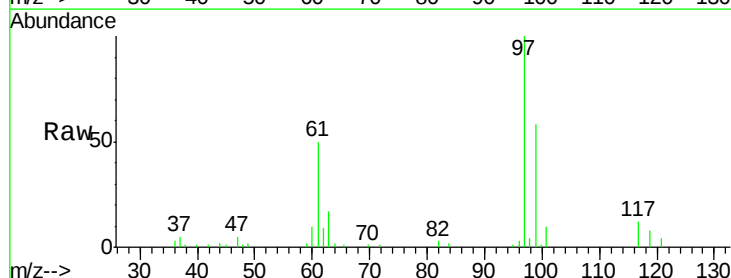
Tgt Ion: 97 Resp: 63043

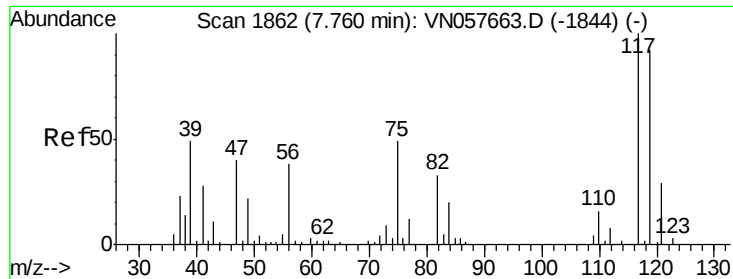
Ion Ratio Lower Upper

97 100

99 60.2 51.9 77.9

61 49.6 41.4 62.0





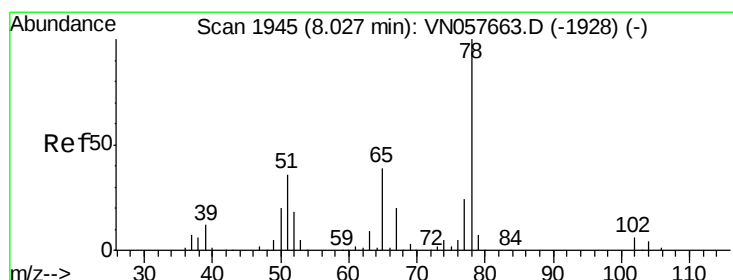
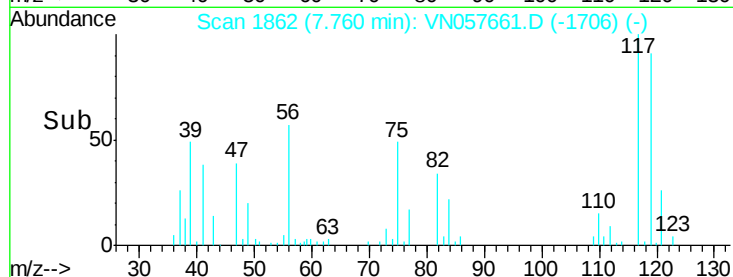
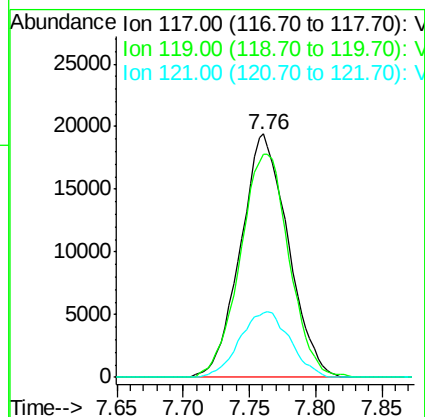
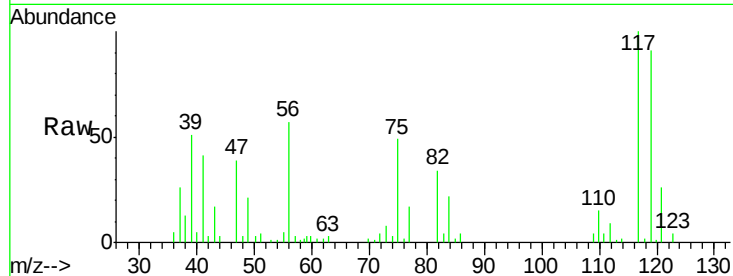
#33
Carbon Tetrachloride
Concen: 11.561 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057661.D
Acq: 3 Sep 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:117 Resp: 48529
Ion Ratio Lower Upper
117 100
119 91.4 73.3 109.9
121 26.3 23.3 34.9

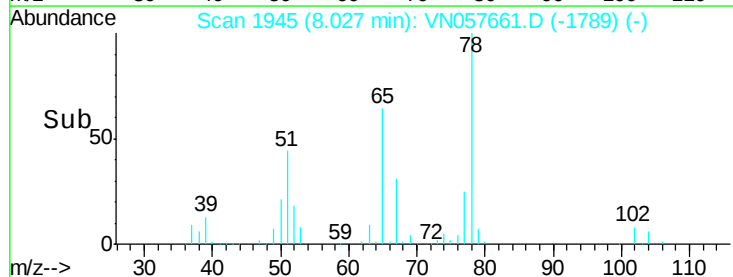
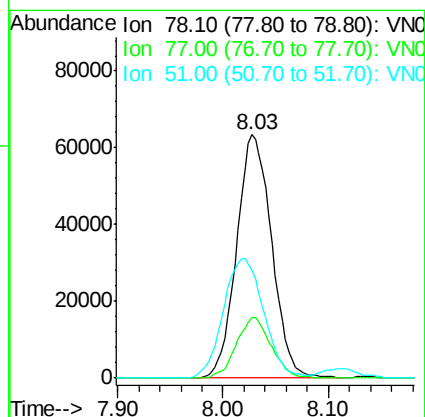
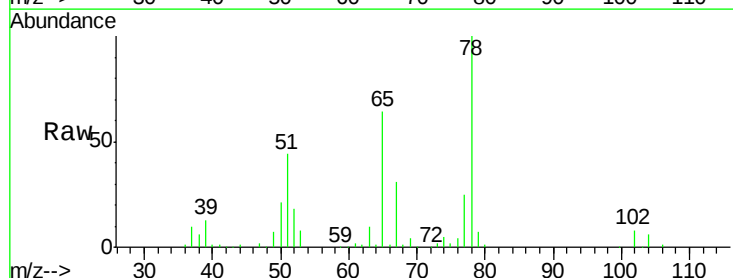
Manual Integrations
APPROVED

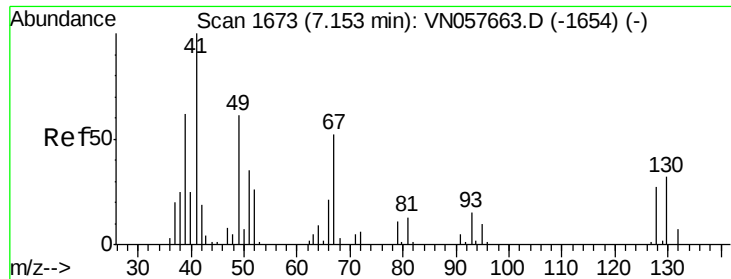
MMDadoda
9/5/2019 3:22:43 PM



#34
Benzene
Concen: 12.211 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057661.D
Acq: 3 Sep 2019 13:41

Tgt Ion: 78 Resp: 146451
Ion Ratio Lower Upper
78 100
77 24.8 18.8 28.2
51 44.0 29.0 43.6#





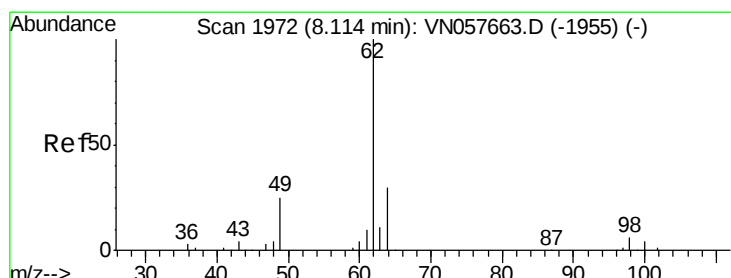
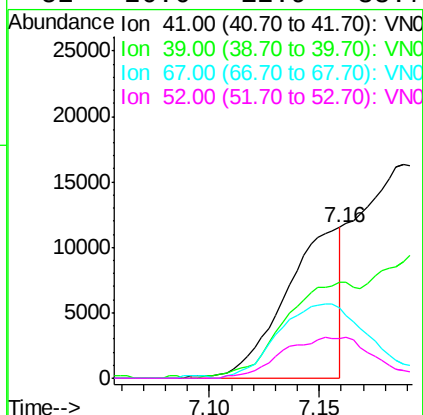
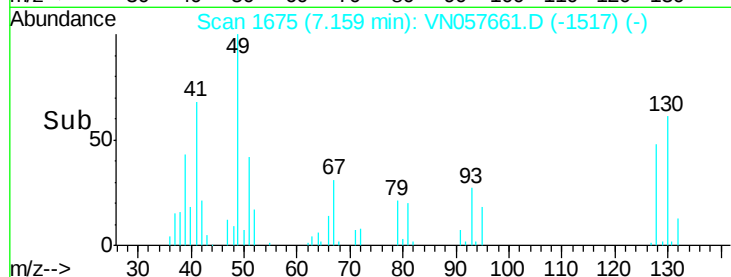
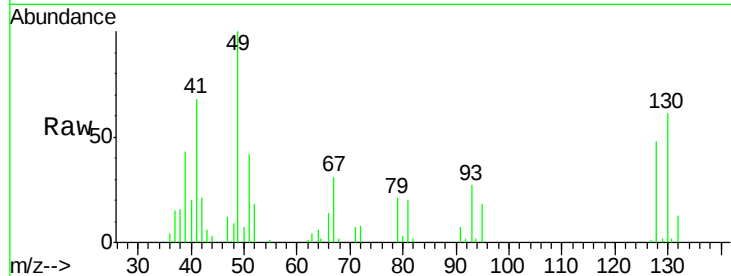
#35
Methacrylonitrile
Concen: 11.175 ug/l m
RT: 7.16 min Scan# 1675
Delta R.T. 0.01 min
Lab File: VN057661.D
Acq: 3 Sep 2019 13:41

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	63.7	31.0	93.0		
67	46.2	25.9	77.7		
52	26.6	12.9	38.7		

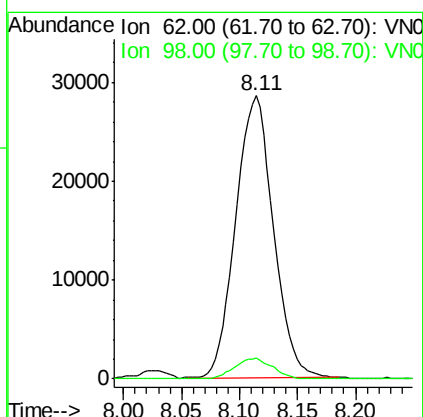
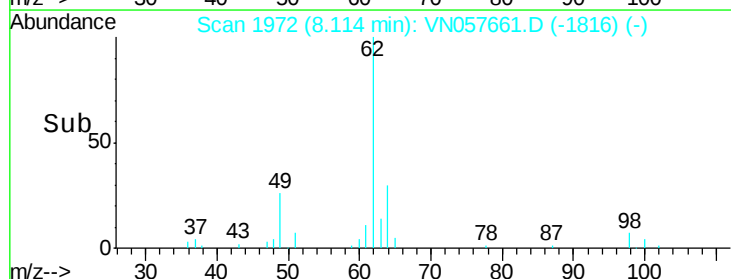
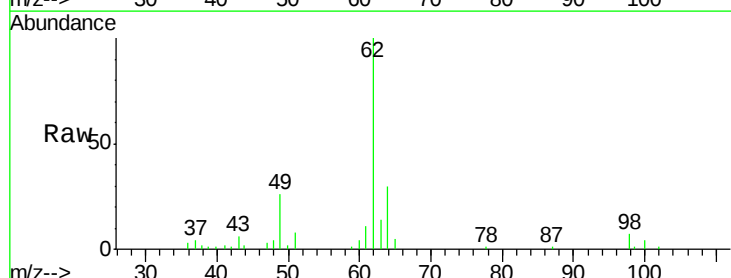
Manual Integrations
APPROVED

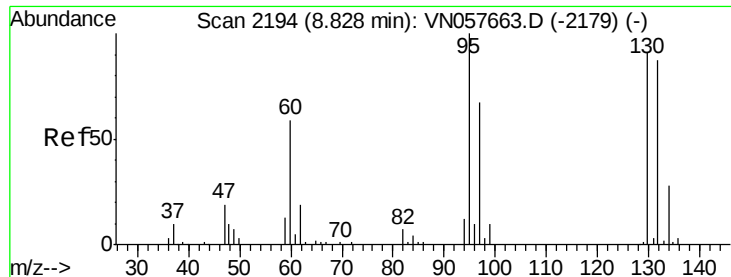
MMDadoda
9/5/2019 3:22:43 PM



#36
1,2-Dichloroethane
Concen: 12.088 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057661.D
Acq: 3 Sep 2019 13:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	7.2	0.0	0.0#		





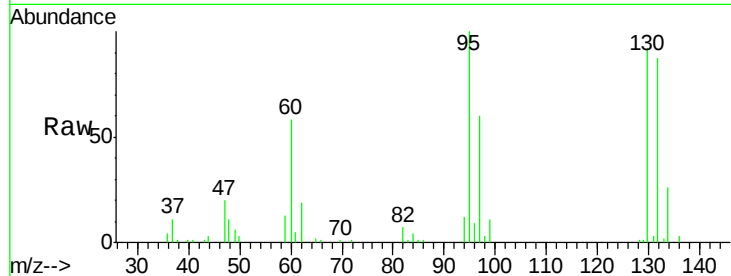
#37
 Trichloroethene
 Concen: 12.082 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN057661.D
 Acq: 3 Sep 2019 13:41

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

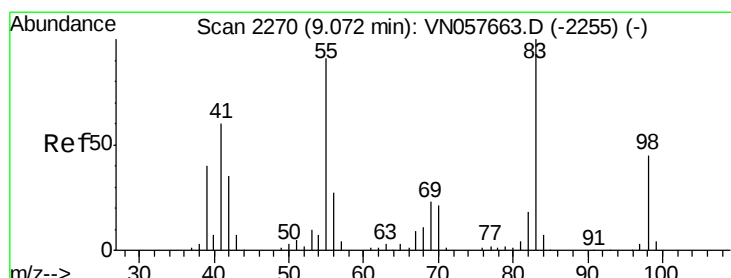
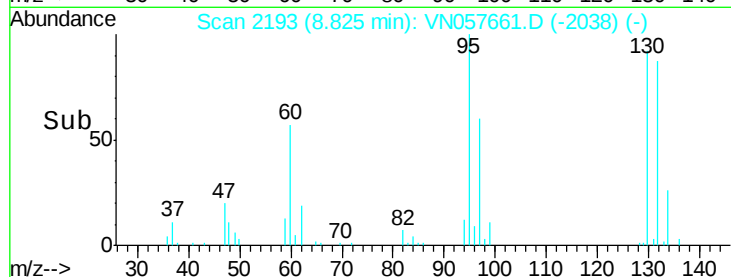
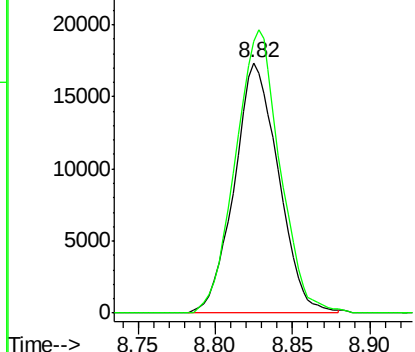
Tot Ion:130 Resp: 34408
 Ion Ratio Lower Upper
 130 100
 95 108.7 87.5 131.3

Manual Integrations
 APPROVED

MMDadoda
 9/5/2019 3:22:43 PM

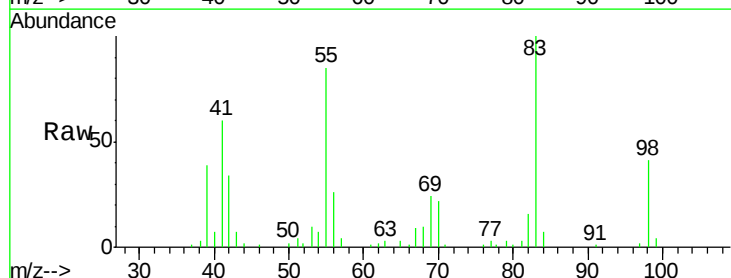


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

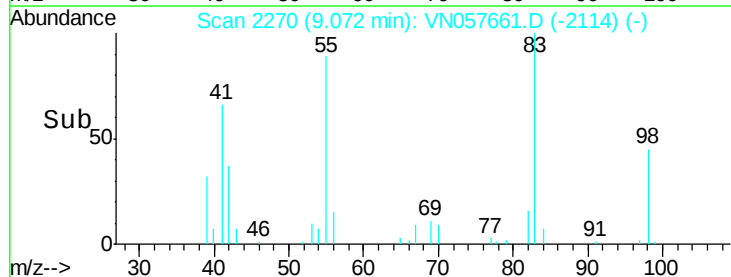
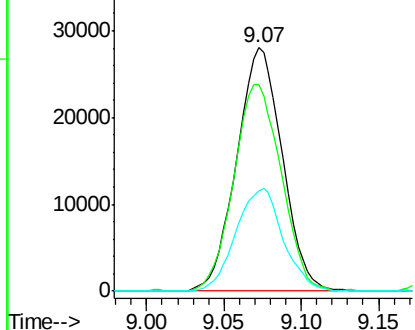


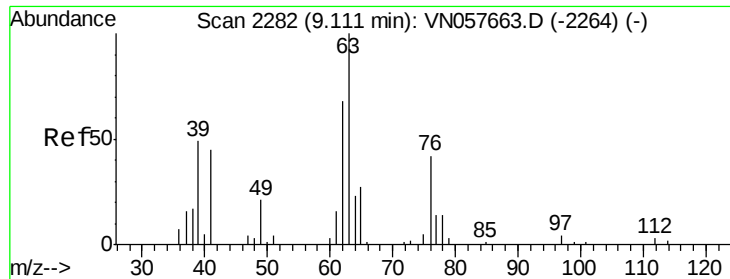
#38
 Methylcyclohexane
 Concen: 12.404 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VN057661.D
 Acq: 3 Sep 2019 13:41

Tgt Ion: 83 Resp: 57469
 Ion Ratio Lower Upper
 83 100
 55 88.3 45.1 135.3
 98 43.6 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





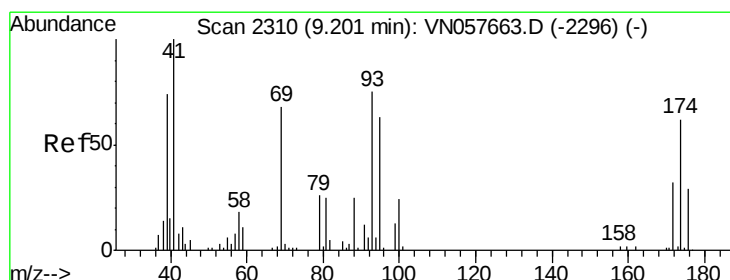
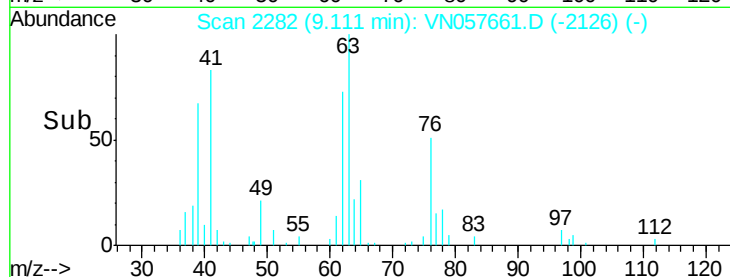
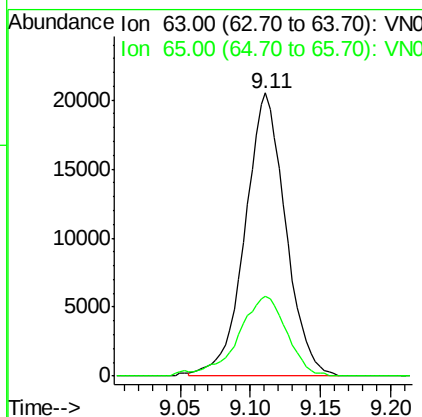
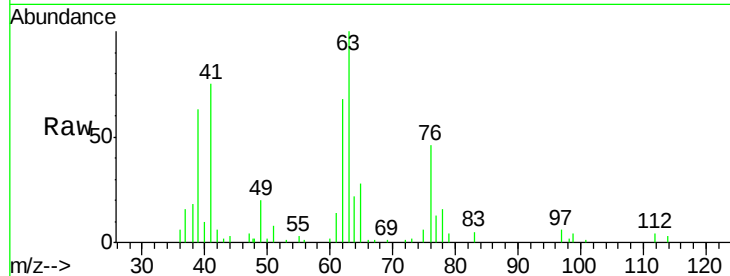
#39
 1,2-Dichloropropane
 Concen: 12.569 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057661.D
 Acq: 3 Sep 2019 13:41

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion: 63 Resp: 41222
 Ion Ratio Lower Upper
 63 100
 65 28.1 22.2 33.2

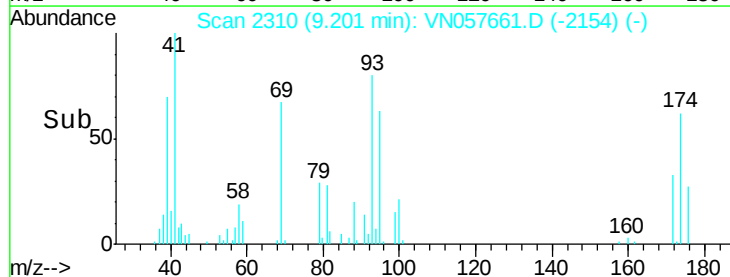
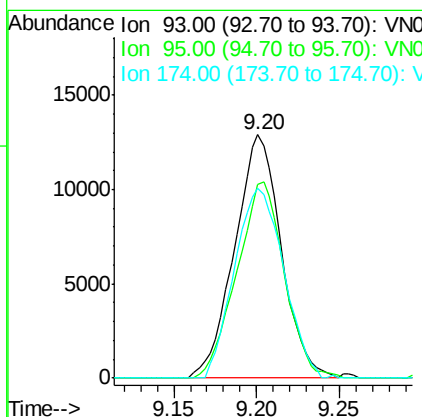
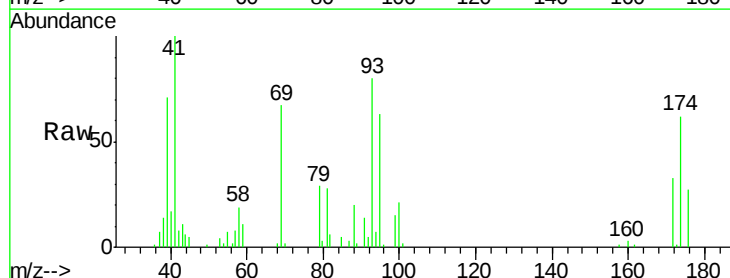
Manual Integrations
 APPROVED

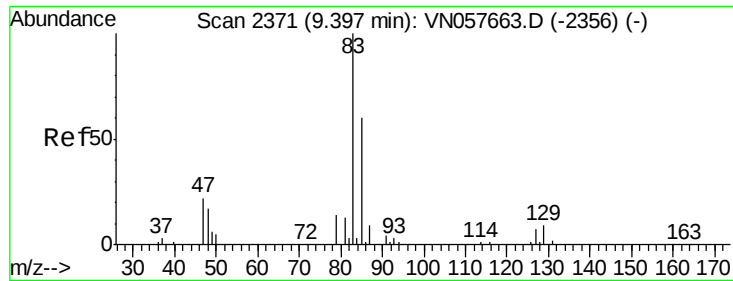
MMDadoda
 9/5/2019 3:22:43 PM



#40
 Dibromomethane
 Concen: 11.859 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057661.D
 Acq: 3 Sep 2019 13:41

Tgt Ion: 93 Resp: 25212
 Ion Ratio Lower Upper
 93 100
 95 81.8 0.0 168.2
 174 82.3 0.0 169.2





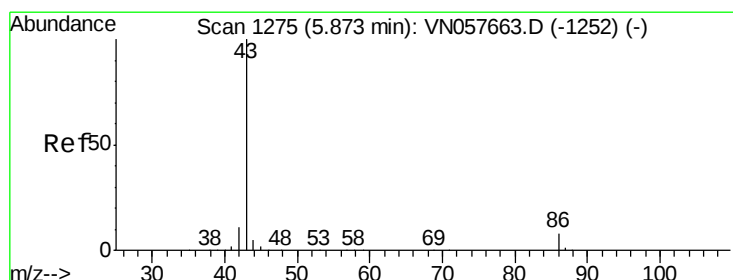
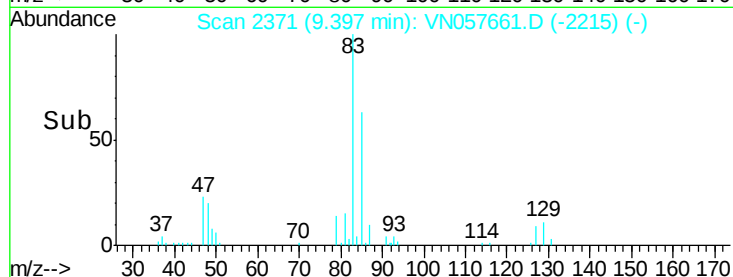
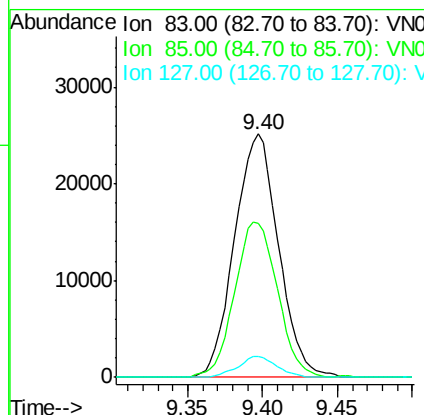
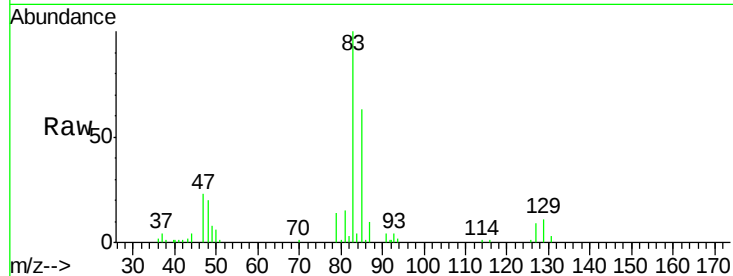
#41
Bromodichloromethane
Concen: 11.205 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN057661.D
Acq: 3 Sep 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	51487
Ion Ratio	100	Lower	Upper
83	100		
85	63.3	48.2	72.4
127	8.6	5.3	7.9#

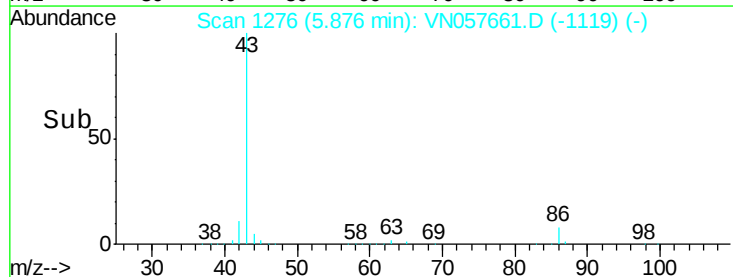
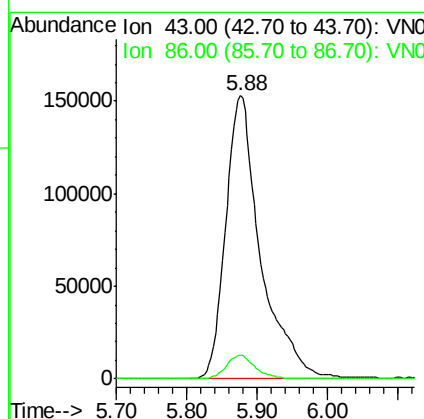
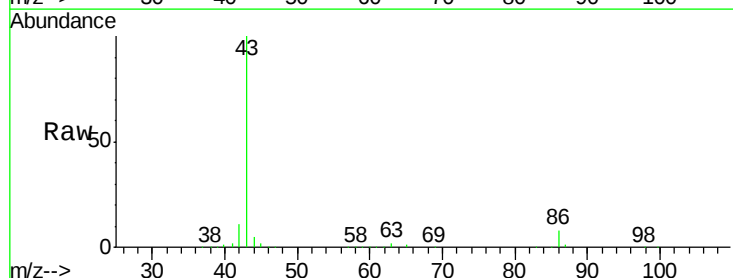
Manual Integrations
APPROVED

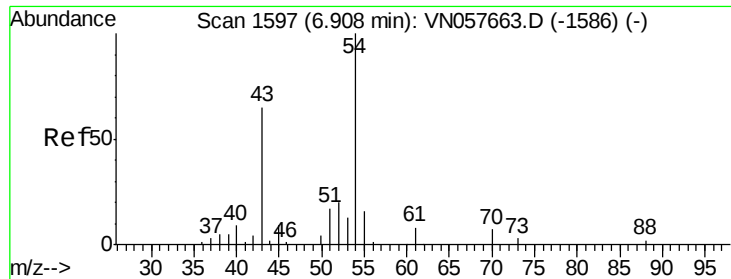
MMDadoda
9/5/2019 3:22:43 PM



#42
Vinyl Acetate
Concen: 61.016 ug/l
RT: 5.88 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VN057661.D
Acq: 3 Sep 2019 13:41

Tgt Ion	43	Resp	528960
Ion Ratio	100	Lower	Upper
43	100		
86	6.9	5.4	8.2





#43

Ethyl Acetate

Concen: 13.049 ug/l m

RT: 6.91 min Scan# 1599

Delta R.T. 0.01 min

Lab File: VN057661.D

Acq: 3 Sep 2019 13:41

Tot Ion: 43 Resp: 52998

Ion Ratio Lower Upper

43 100

45 0.9 5.0 7.6#

Instrument :

MSVOA_N

ClientSampleId :

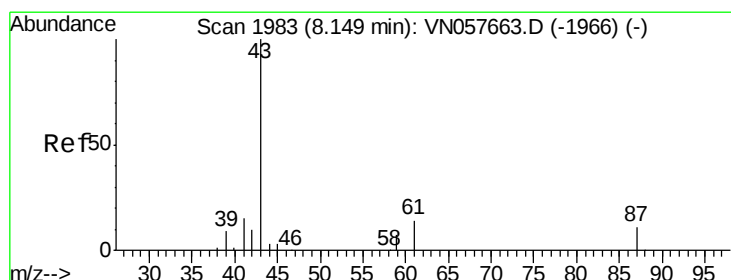
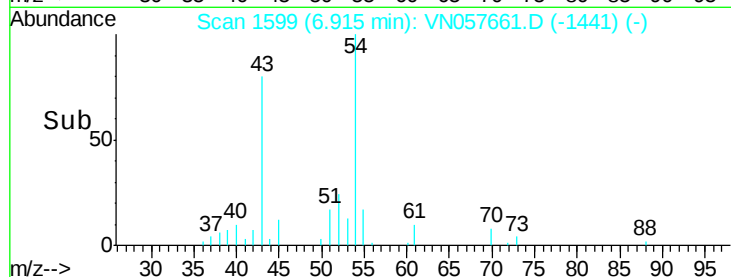
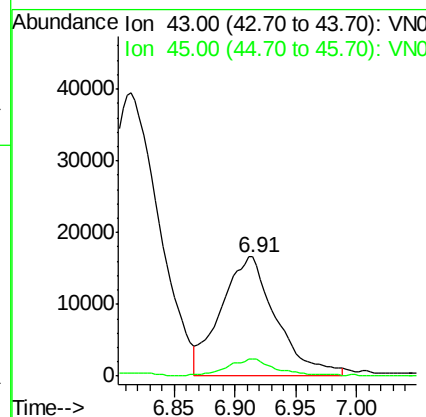
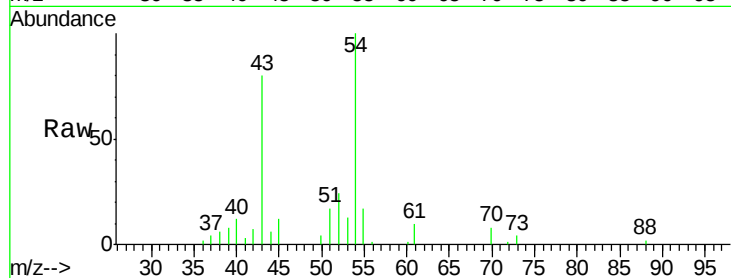
VSTDCCC020

Manual Integrations

APPROVED

MMDadoda

9/5/2019 3:22:43 PM



#44

Isopropyl Acetate

Concen: 11.214 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN057661.D

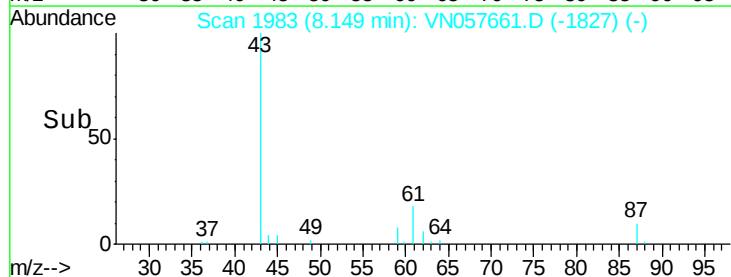
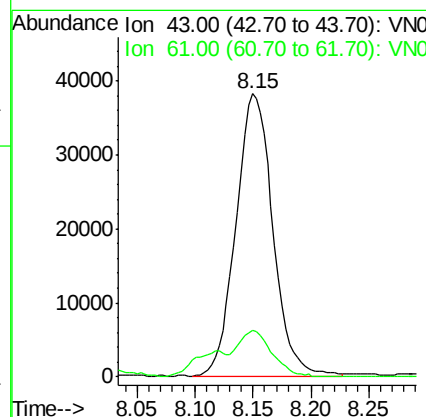
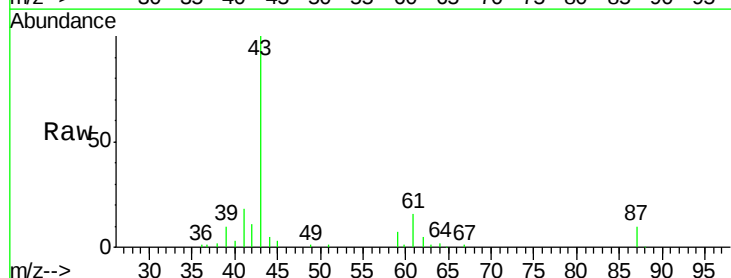
Acq: 3 Sep 2019 13:41

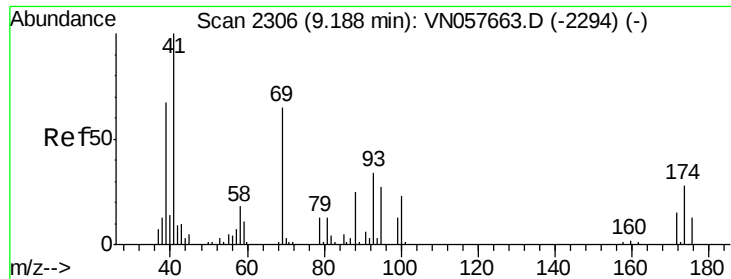
Tgt Ion: 43 Resp: 85151

Ion Ratio Lower Upper

43 100

61 13.8 12.6 18.8





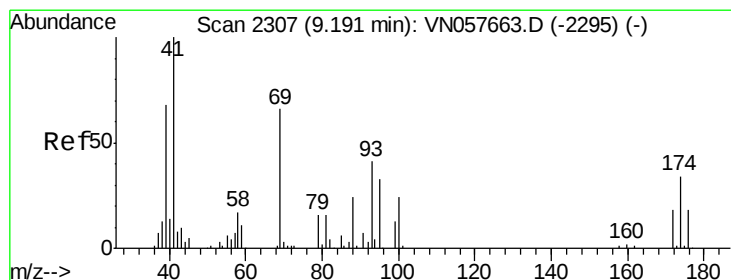
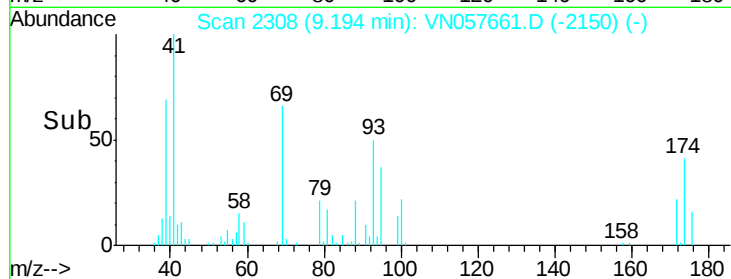
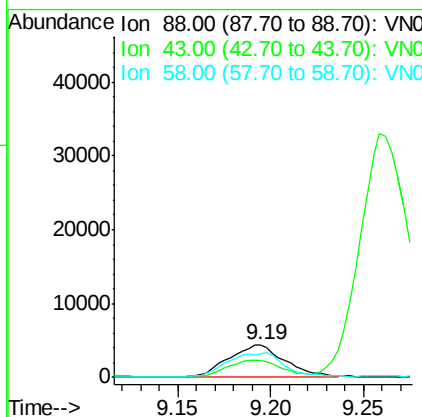
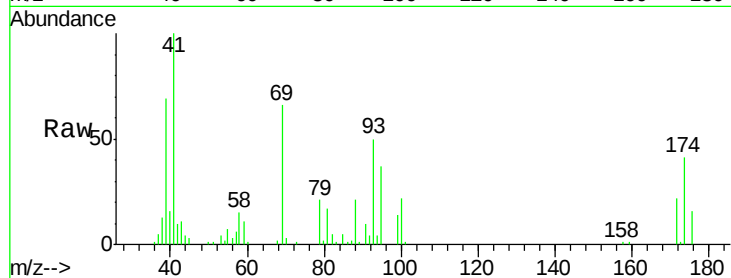
#45
1,4-Dioxane
Concen: 191.736 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.01 min
Lab File: VN057661.D
Acq: 3 Sep 2019 13:41

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	88	Resp	9346
Ion	Ratio	Lower	Upper
88	100		
43	43.0	31.0	46.4
58	39.8	58.2	87.2#

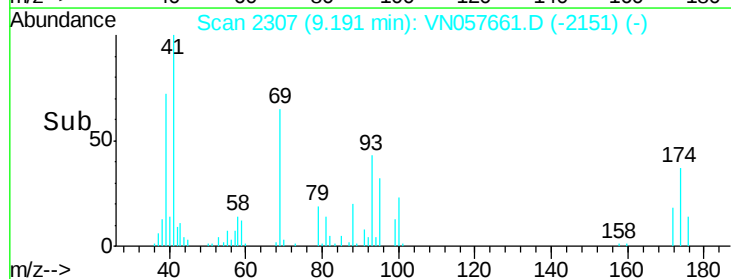
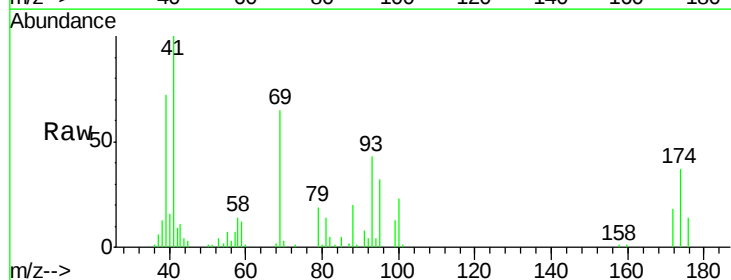
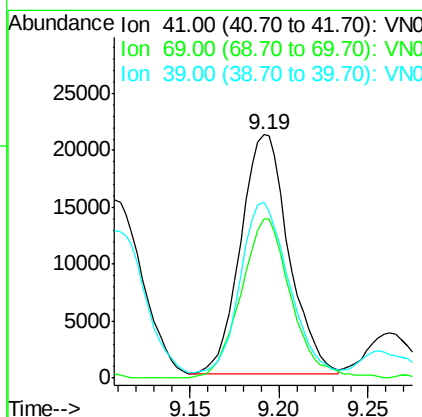
Manual Integrations
APPROVED

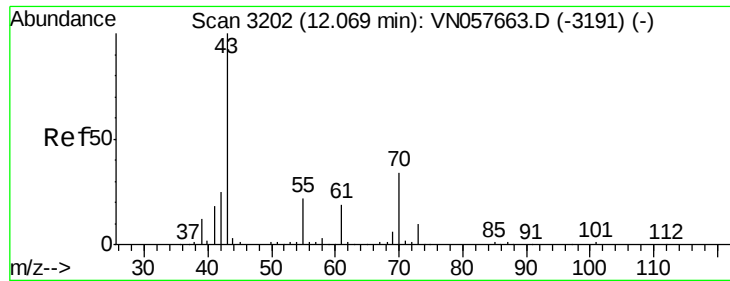
MMDadoda
9/5/2019 3:22:43 PM



#46
Methyl methacrylate
Concen: 10.833 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN057661.D
Acq: 3 Sep 2019 13:41

Tgt Ion	41	Resp	39913
Ion	Ratio	Lower	Upper
41	100		
69	66.3	33.1	99.2
39	71.2	34.0	102.0





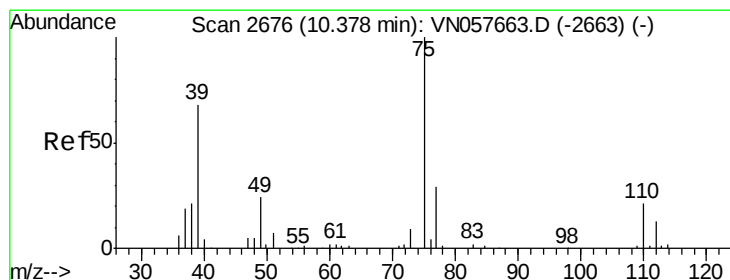
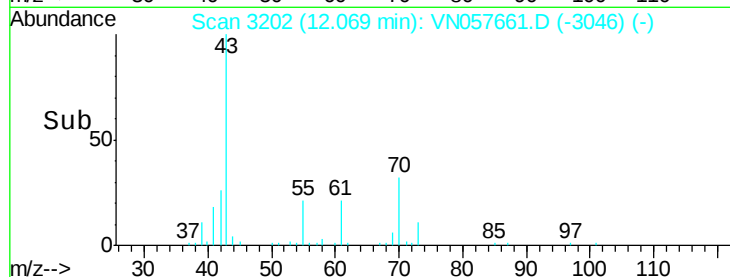
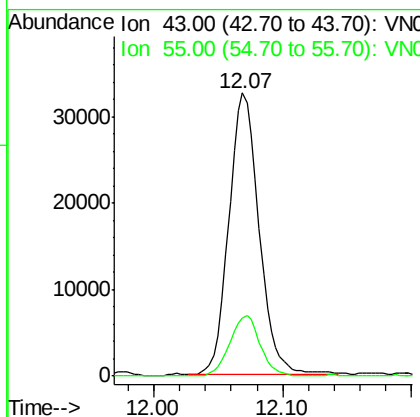
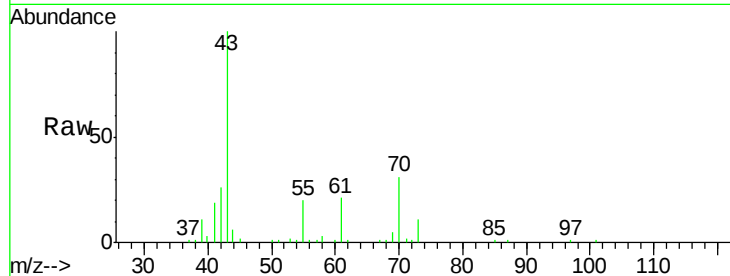
#47
n-amvl Acetate
Concen: 9.041 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN057661.D
Acq: 3 Sep 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	43	Resp	53238
Ion Ratio	100	Lower	Upper
55	21.3	17.5	26.3

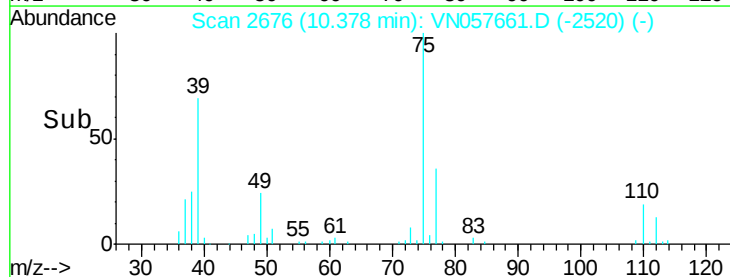
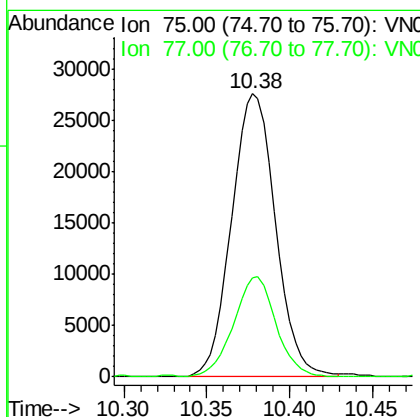
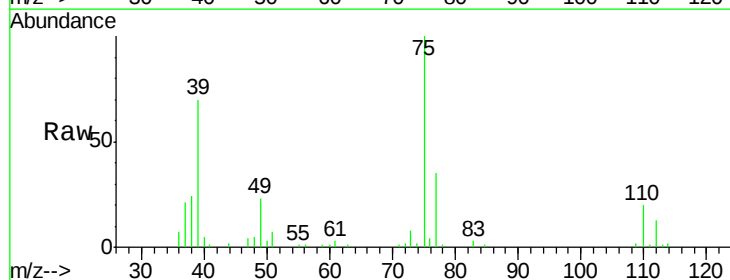
Manual Integrations
APPROVED

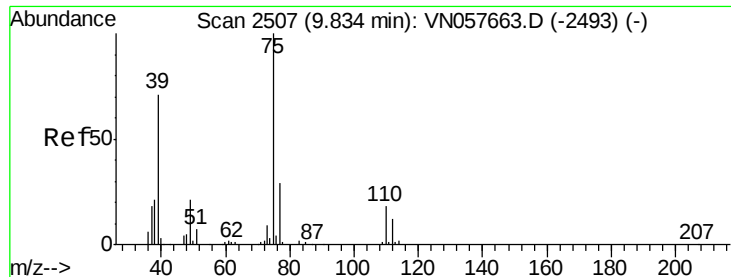
MMDadoda
9/5/2019 3:22:43 PM



#48
t-1,3-Dichloropropene
Concen: 10.561 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057661.D
Acq: 3 Sep 2019 13:41

Tgt Ion	75	Resp	50904
Ion Ratio	100	Lower	Upper
77	35.0	23.1	34.7#





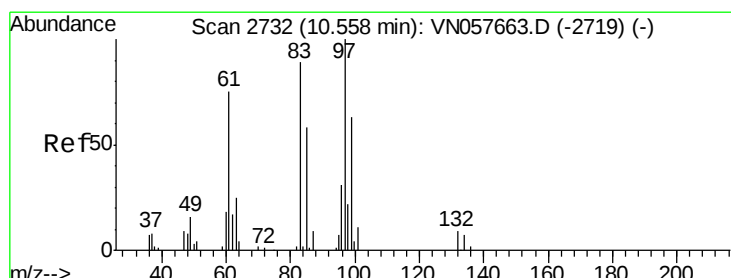
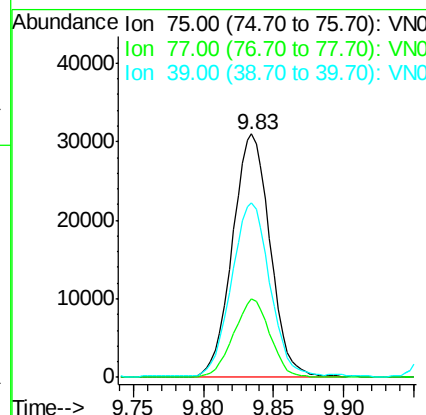
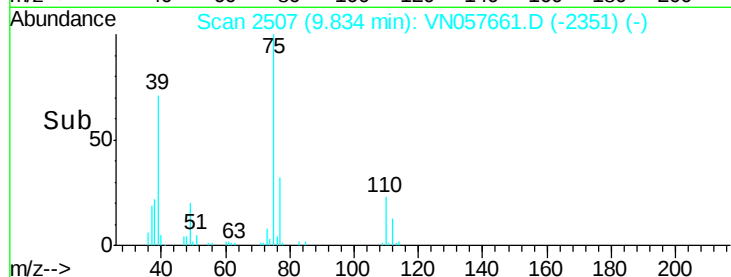
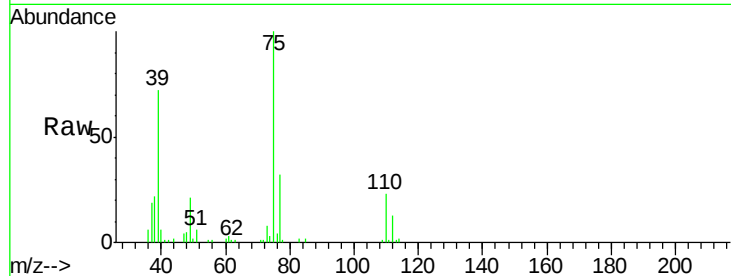
#49
 cis-1,3-Dichloropropene
 Concen: 11.296 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN057661.D
 Acq: 3 Sep 2019 13:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	23.4	35.2
39	70.9	56.6	85.0

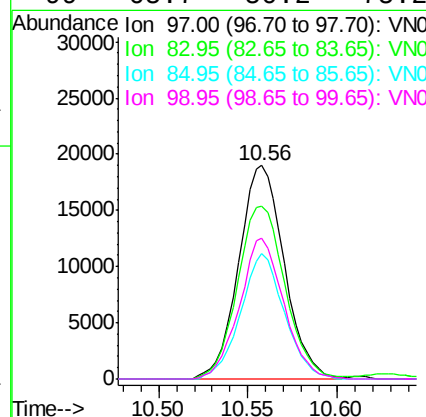
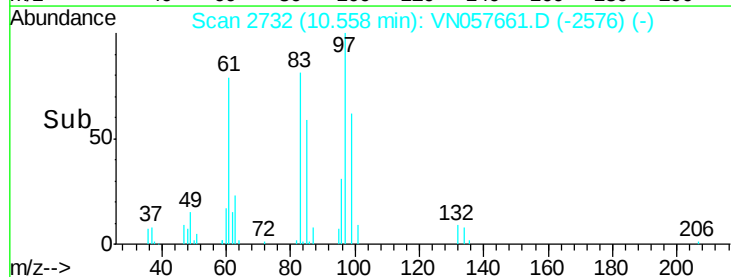
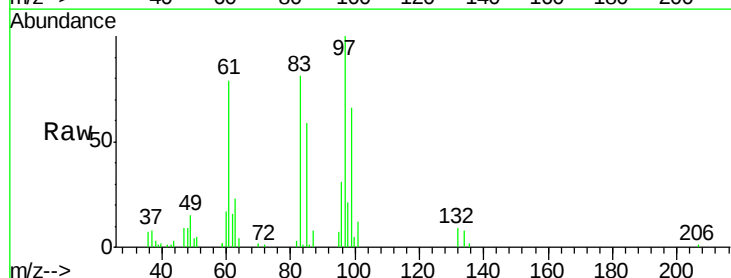
Manual Integrations
 APPROVED

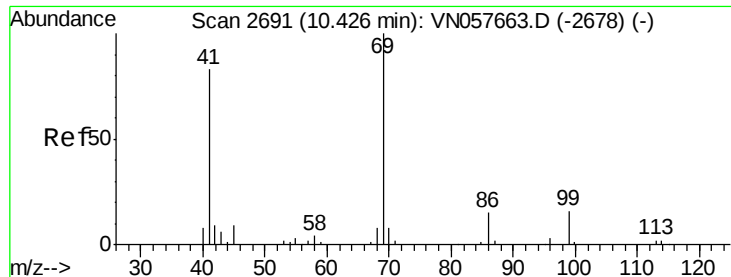
MMDadoda
 9/5/2019 3:22:43 PM



#50
 1,1,2-Trichloroethane
 Concen: 11.786 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057661.D
 Acq: 3 Sep 2019 13:41

Tgt Ion	Ratio	Lower	Upper
97	100		
83	81.0	71.4	107.2
85	58.8	46.0	69.0
99	65.7	50.2	75.2





#51

Ethyl methacrylate

Concen: 10.670 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057661.D

Acq: 3 Sep 2019 13:41

Instrument :

MSVOA_N

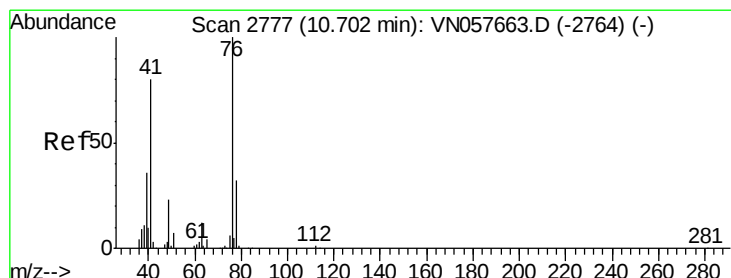
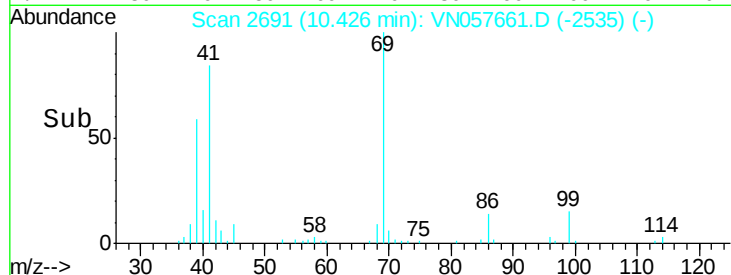
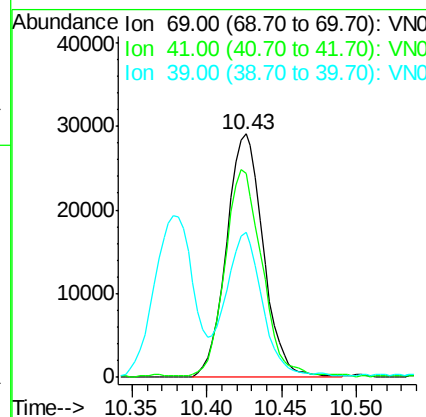
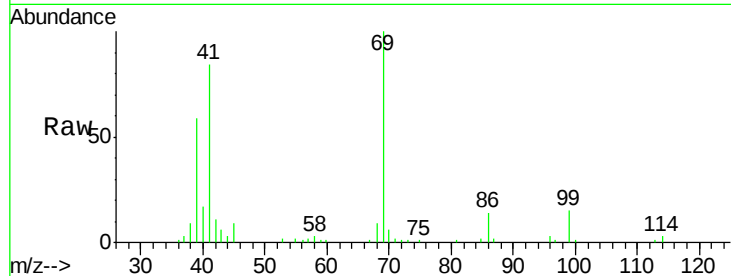
ClientSampleId :

VSTDCCC020

Tot Ion:	69	Resp:	49874
Ion	Ratio	Lower	Upper
69	100		
41	82.4	41.5	124.5
39	58.7	29.6	88.9

Manual Integrations
APPROVED

MMDadoda
9/5/2019 3:22:43 PM



#52

1,3-Dichloropropane

Concen: 11.746 ug/l

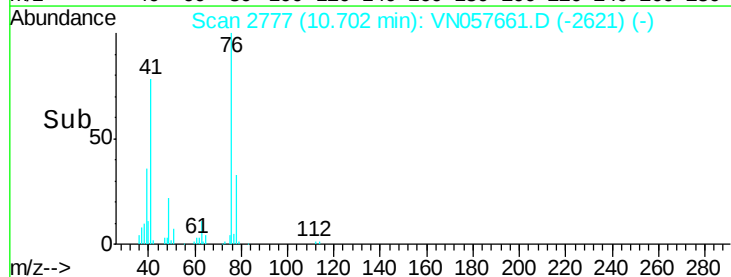
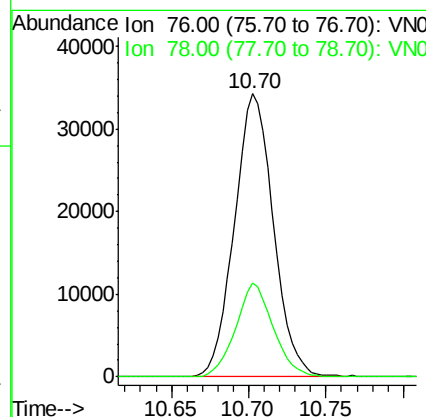
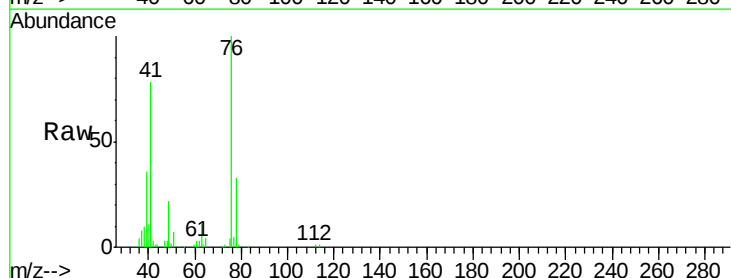
RT: 10.70 min Scan# 2777

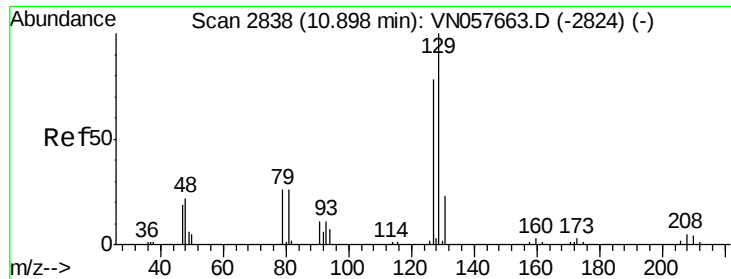
Delta R.T. 0.00 min

Lab File: VN057661.D

Acq: 3 Sep 2019 13:41

Tgt Ion:	76	Resp:	59947
Ion	Ratio	Lower	Upper
76	100		
78	31.7	0.0	63.8





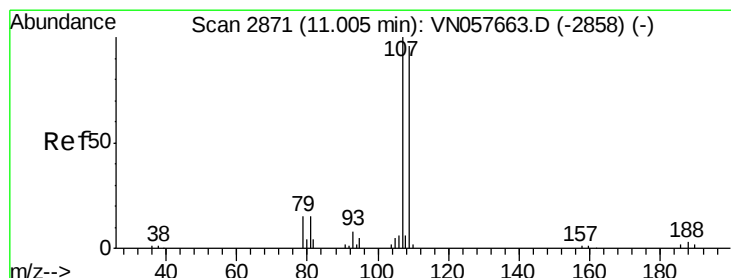
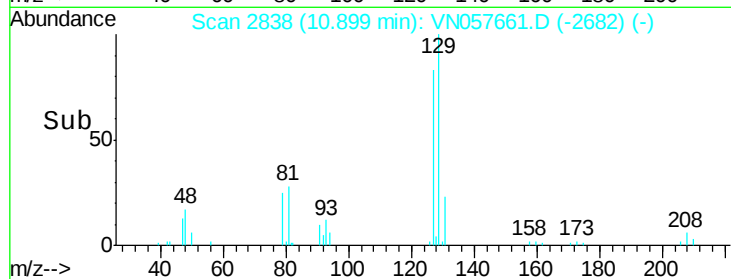
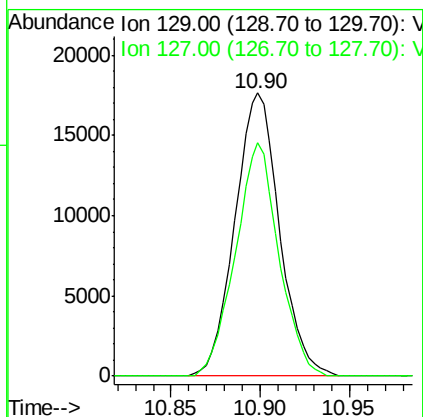
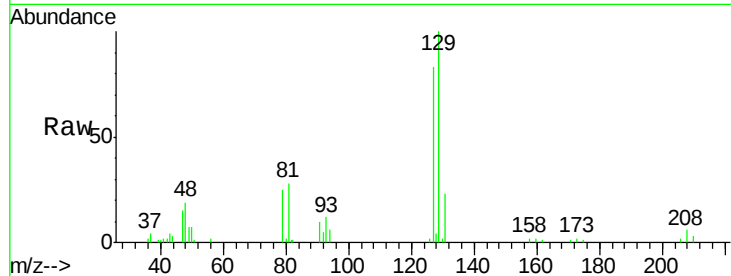
#53
Dibromochloromethane
Concen: 10.228 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057661.D
Acq: 3 Sep 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
129	100		
127	80.2	39.1	117.3

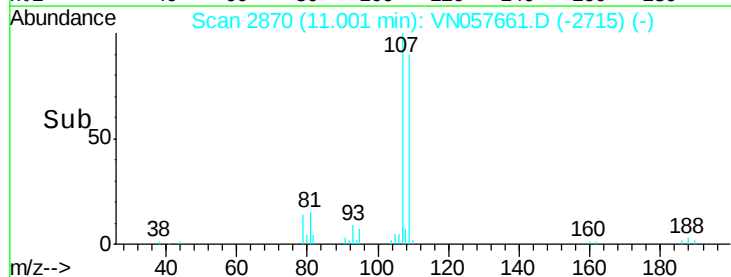
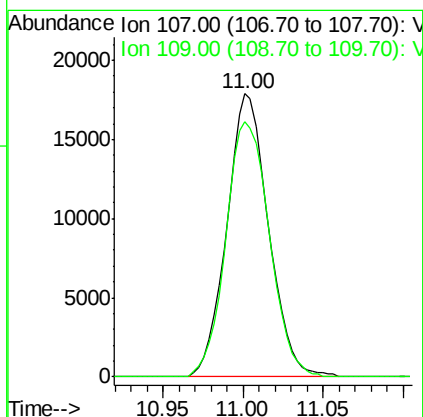
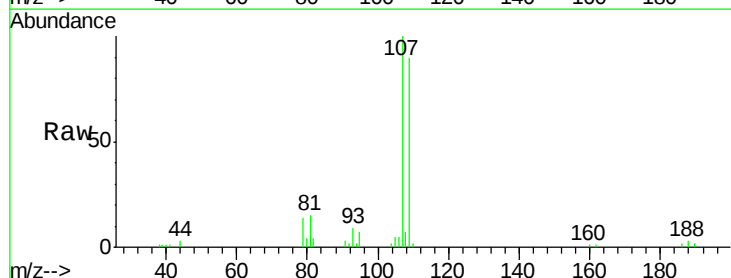
Manual Integrations
APPROVED

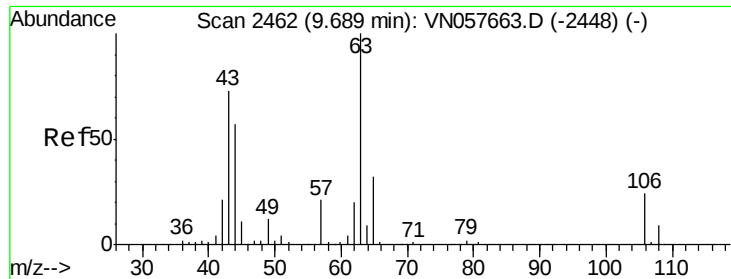
MMDadoda
9/5/2019 3:22:43 PM



#54
1,2-Dibromoethane
Concen: 11.068 ug/l
RT: 11.00 min Scan# 2870
Delta R.T. -0.00 min
Lab File: VN057661.D
Acq: 3 Sep 2019 13:41

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.4	76.2	114.4





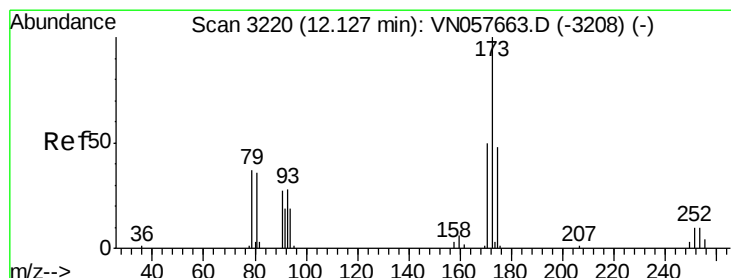
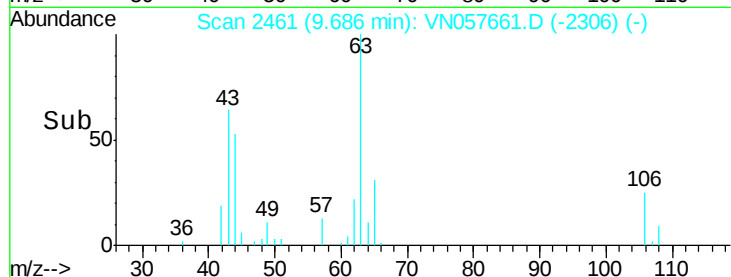
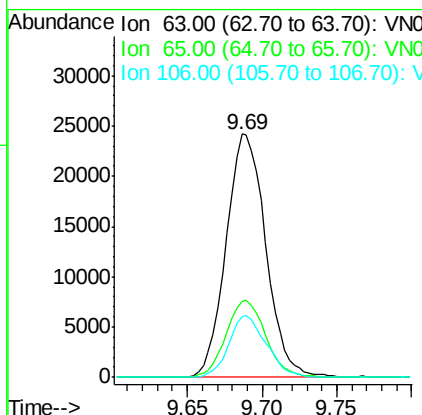
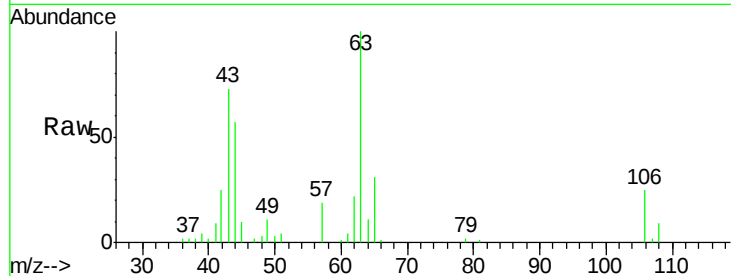
#55
2-Chloroethyl vinyl ether
Concen: 30.307 ug/l
RT: 9.69 min Scan# 2461
Delta R.T. -0.00 min
Lab File: VN057661.D
Acq: 3 Sep 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	25.6	38.4
106	23.8	19.5	29.3

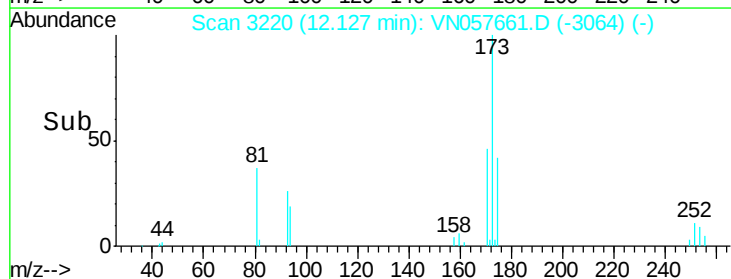
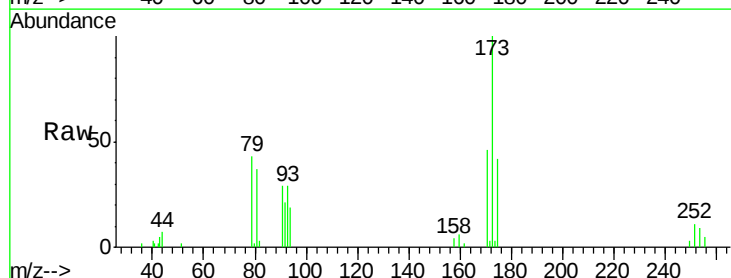
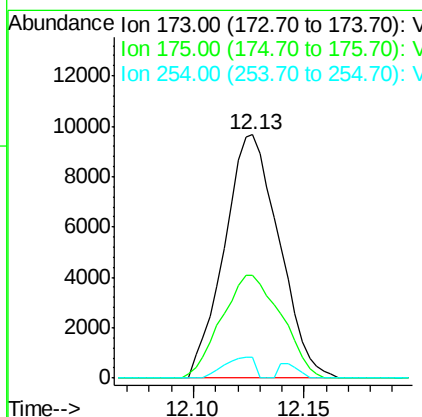
Manual Integrations
APPROVED

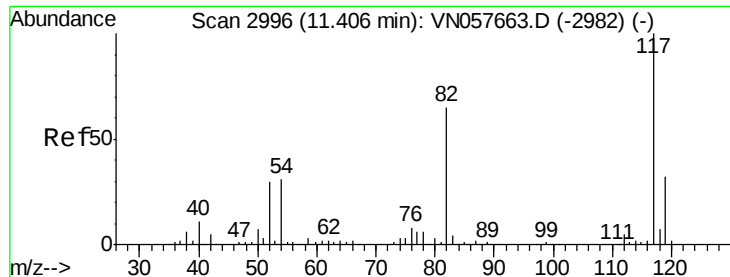
MMDadoda
9/5/2019 3:22:43 PM



#56
Bromoform
Concen: 8.976 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057661.D
Acq: 3 Sep 2019 13:41

Tgt Ion	Ratio	Lower	Upper
173	100		
175	46.2	38.8	58.2
254	4.8	7.2	10.8





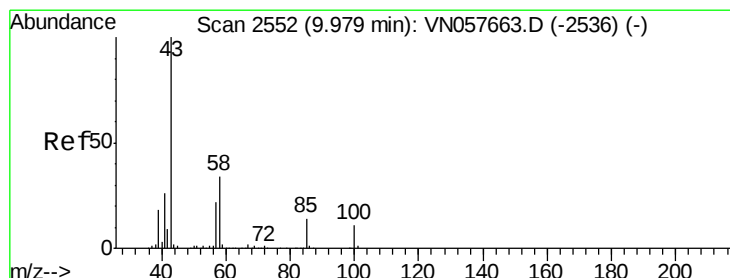
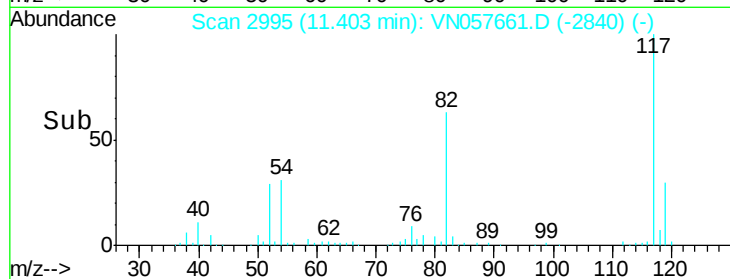
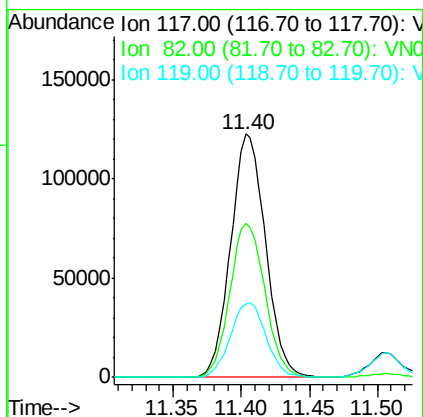
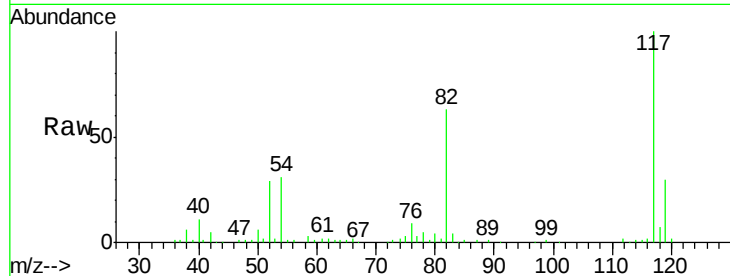
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN057661.D
Acq: 3 Sep 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.8	51.2	76.8
119	31.5	25.8	38.6

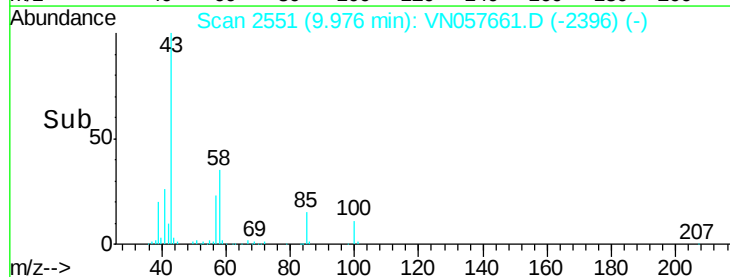
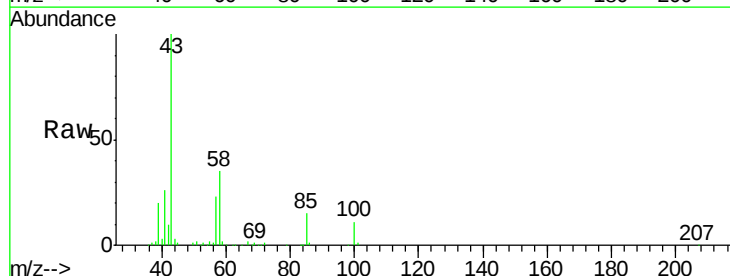
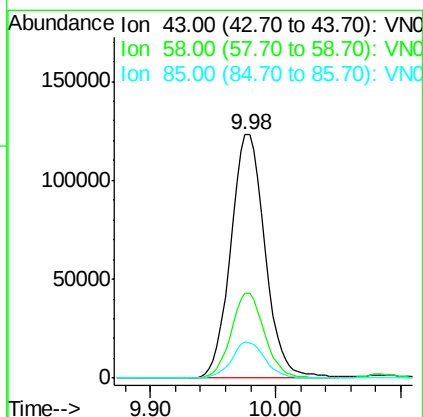
Manual Integrations
APPROVED

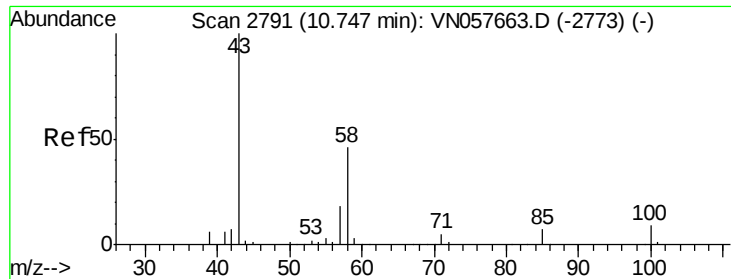
MMDadoda
9/5/2019 3:22:43 PM



#58
4-Methyl-2-Pentanone
Concen: 60.965 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VN057661.D
Acq: 3 Sep 2019 13:41

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.8	26.7	40.1
85	14.5	11.2	16.8





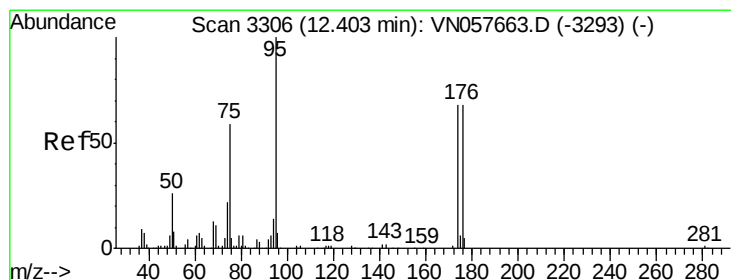
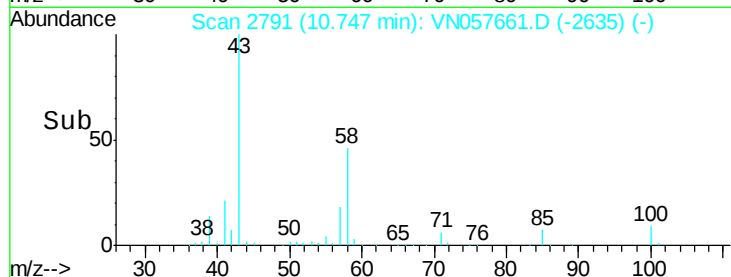
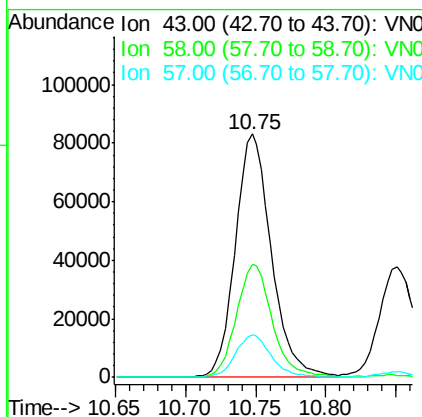
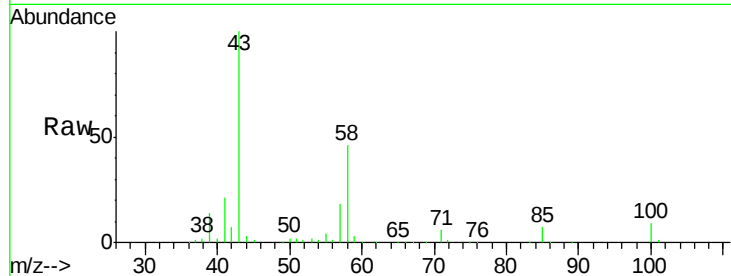
#59
2-Hexanone
Concen: 54.455 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057661.D
Acq: 3 Sep 2019 13:41

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	46.5	36.1	54.1
57	17.6	14.1	21.1

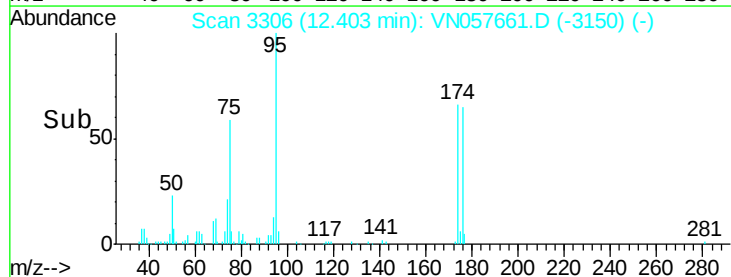
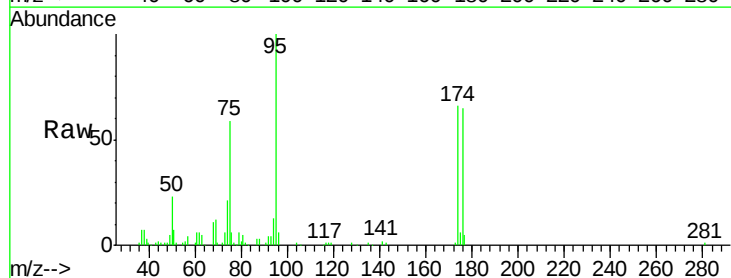
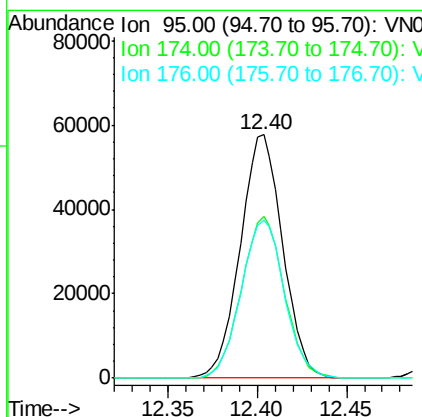
Manual Integrations
APPROVED

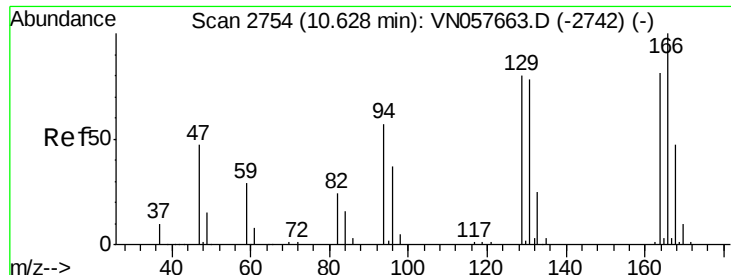
MMDadoda
9/5/2019 3:22:43 PM



#60
4-Bromofluorobenzene
Concen: 25.743 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057661.D
Acq: 3 Sep 2019 13:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	67.0	55.0	82.6
176	66.3	53.7	80.5





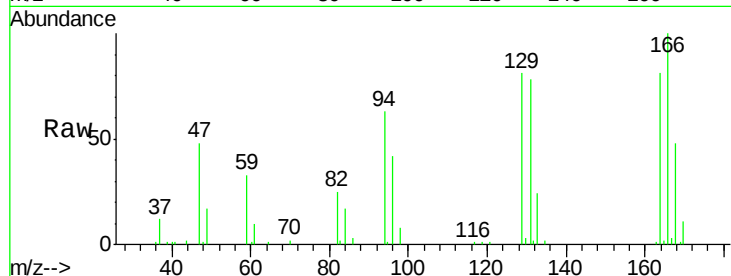
#61
Tetrachloroethene
Concen: 12.872 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057661.D
Acq: 3 Sep 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
164	100		
166	122.4	99.4	149.2
129	98.3	78.8	118.2
131	96.4	78.2	117.2

Manual Integrations
APPROVED

MMDadoda
9/5/2019 3:22:43 PM

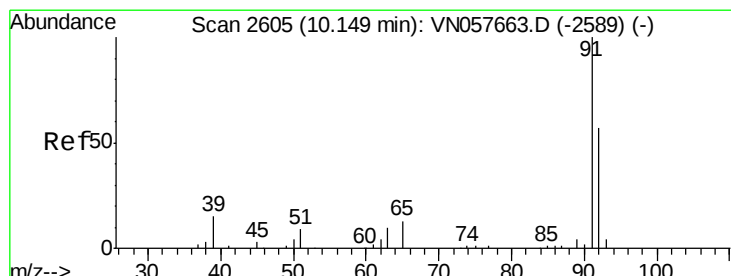
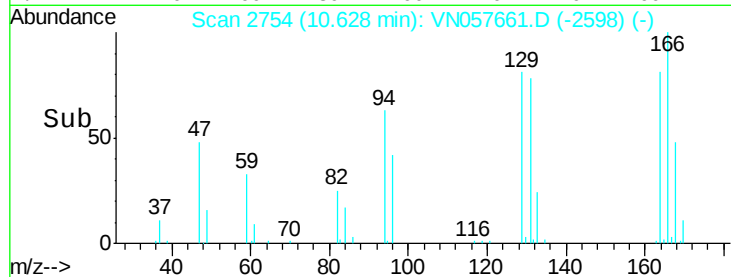
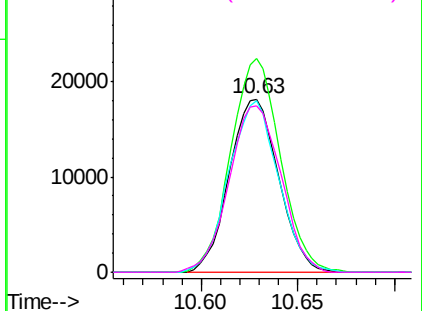


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

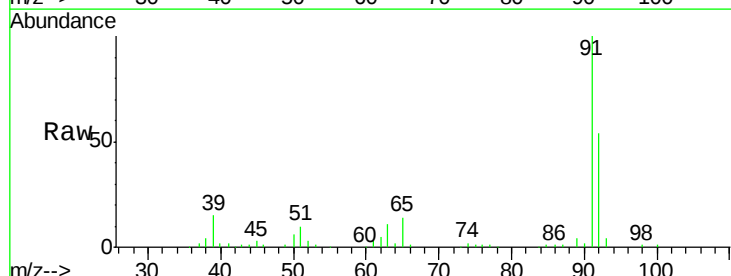
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



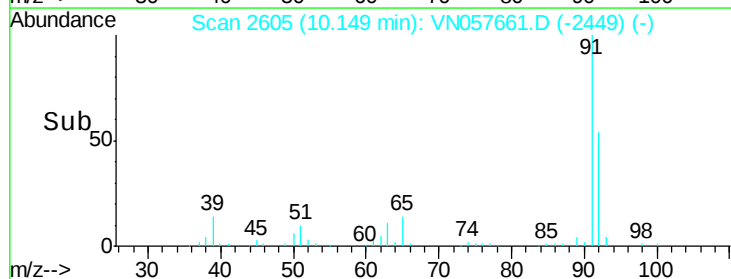
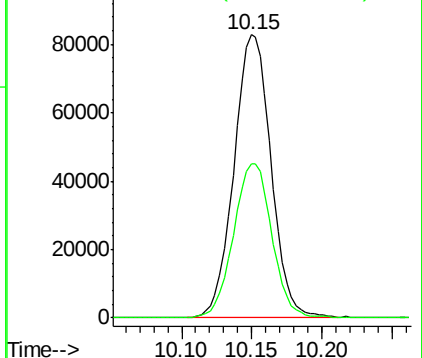
#62
Toluene
Concen: 12.503 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VN057661.D
Acq: 3 Sep 2019 13:41

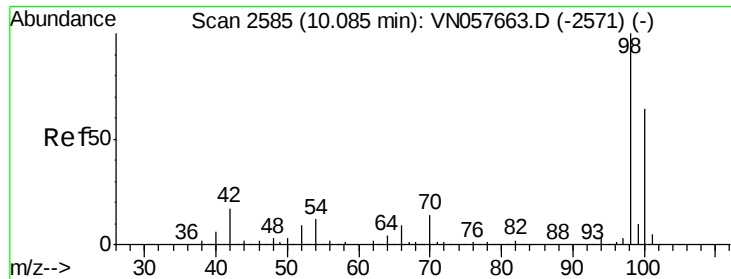
Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.9	46.1	69.1



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO





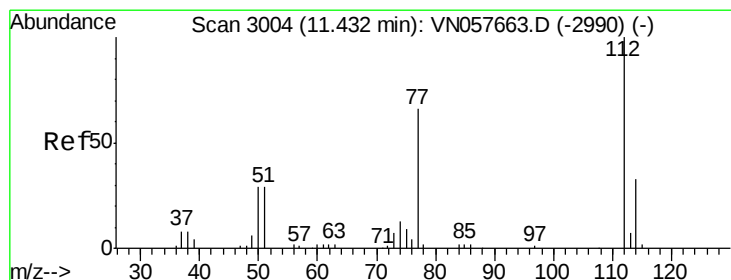
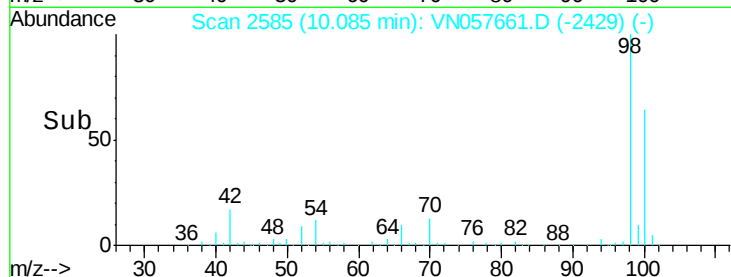
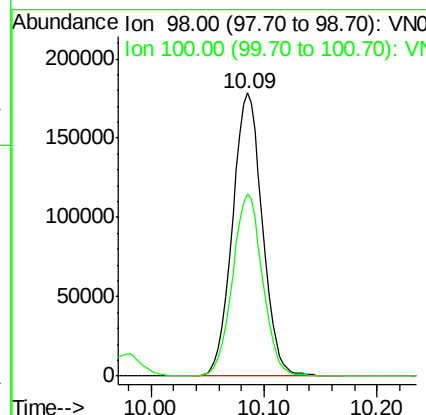
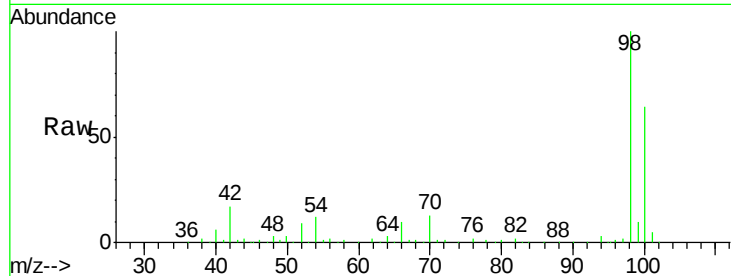
#63
Toluene-d8
Concen: 31.297 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057661.D
Acq: 3 Sep 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 98 Resp: 327751
Ion Ratio Lower Upper
98 100
100 64.8 51.0 76.6

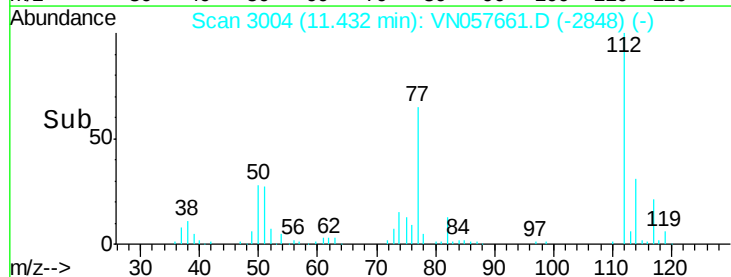
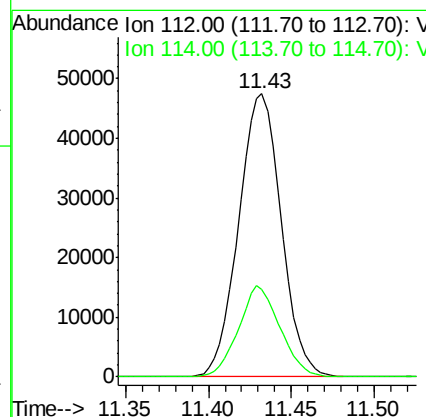
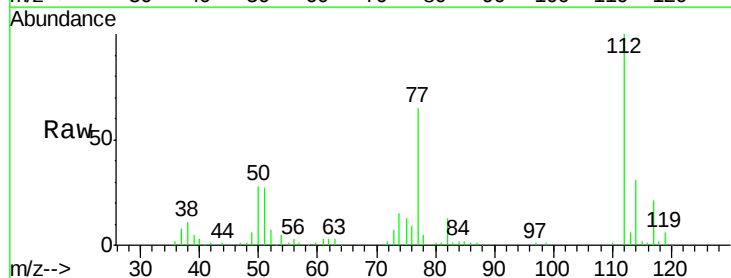
Manual Integrations
APPROVED

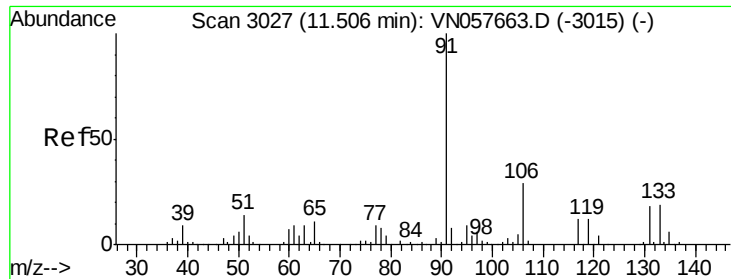
MMDadoda
9/5/2019 3:22:43 PM



#64
Chlorobenzene
Concen: 11.813 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057661.D
Acq: 3 Sep 2019 13:41

Tgt Ion: 112 Resp: 84698
Ion Ratio Lower Upper
112 100
114 30.8 26.2 39.4





#65

1,1,1,2-Tetrachloroethane

Concen: 11.545 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057661.D

Acq: 3 Sep 2019 13:41

Instrument :

MSVOA_N

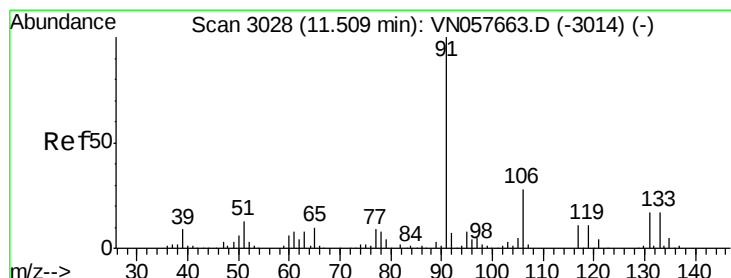
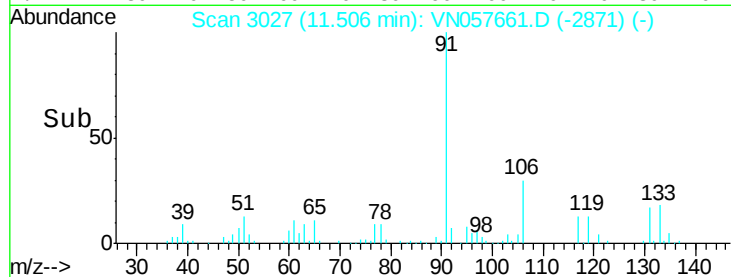
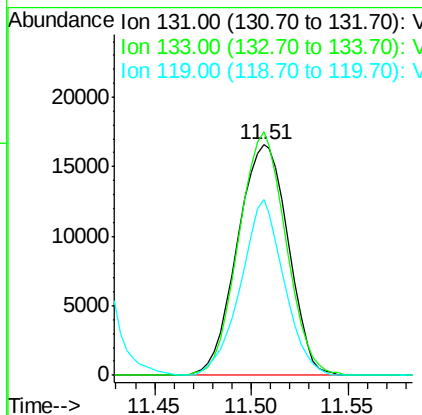
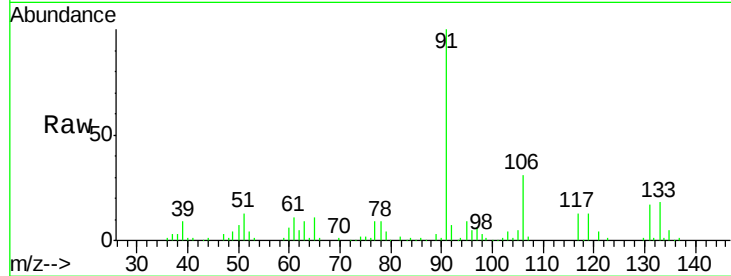
ClientSampleId :

VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
131	100	30325		
133	98.0	0.0	198.0	
119	65.3	0.0	129.8	

Manual Integrations
APPROVED

MMDadoda
9/5/2019 3:22:43 PM



#66

Ethyl Benzene

Concen: 12.006 ug/l

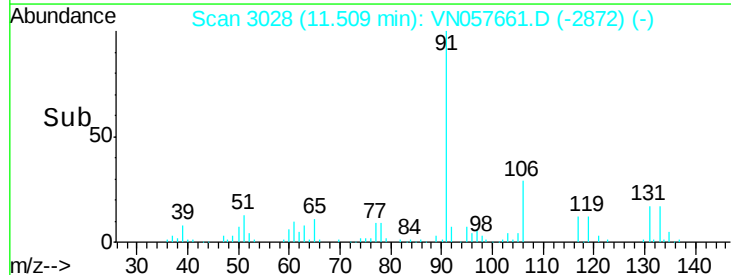
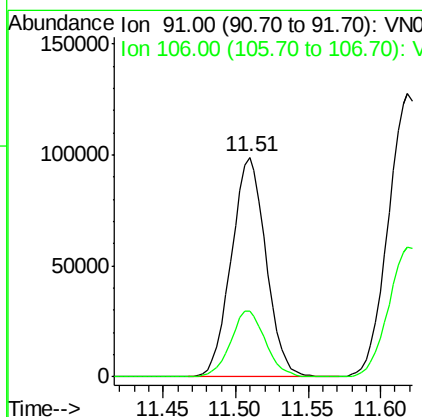
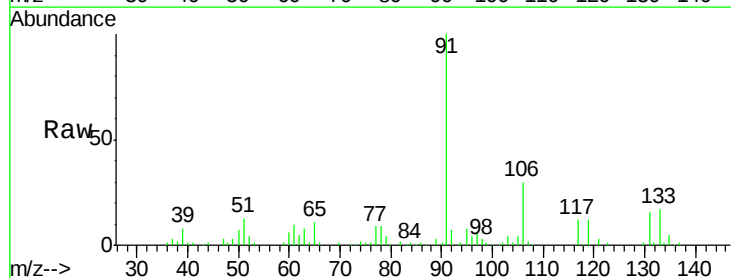
RT: 11.51 min Scan# 3028

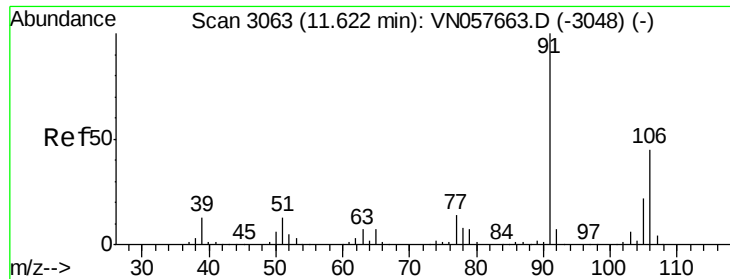
Delta R.T. 0.00 min

Lab File: VN057661.D

Acq: 3 Sep 2019 13:41

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	163873		
106	30.1	22.7	34.1	





#67

m/p-Xvlenes

Concen: 23.381 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN057661.D

Acq: 3 Sep 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:106 Resp: 111924

Ion Ratio Lower Upper

106 100

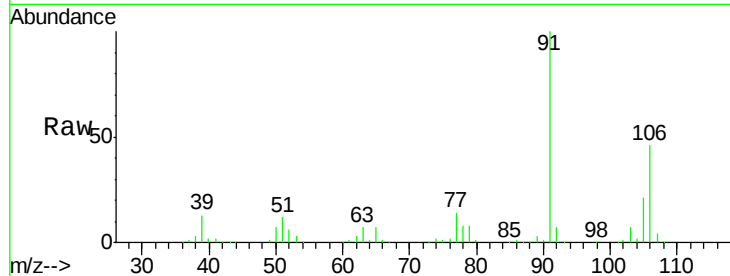
91 219.0 178.9 268.3

Manual Integrations

APPROVED

MMDadoda

9/5/2019 3:22:43 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

150000

100000

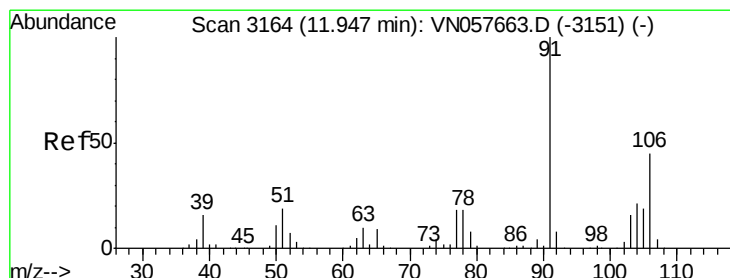
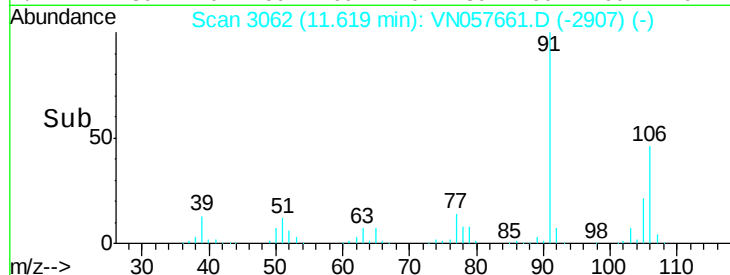
50000

0

11.55 11.60 11.65 11.70

11.62

Time-->



#68

o-Xylene

Concen: 11.212 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN057661.D

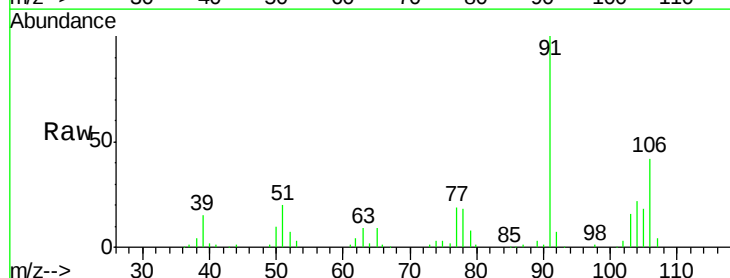
Acq: 3 Sep 2019 13:41

Tgt Ion:106 Resp: 53443

Ion Ratio Lower Upper

106 100

91 236.6 114.0 342.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

80000

60000

40000

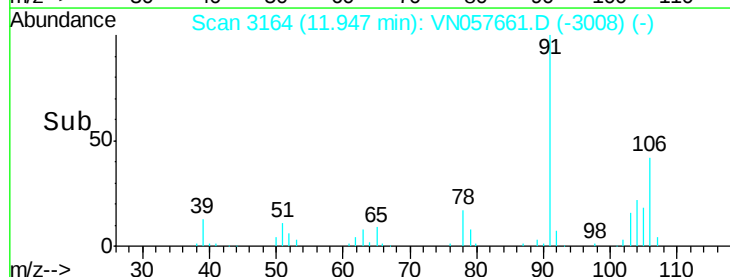
20000

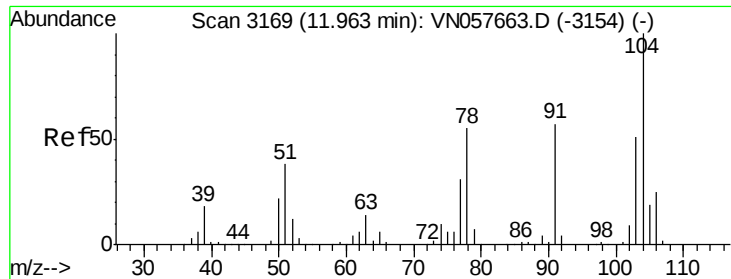
0

11.90 11.95 12.00

11.95

Time-->





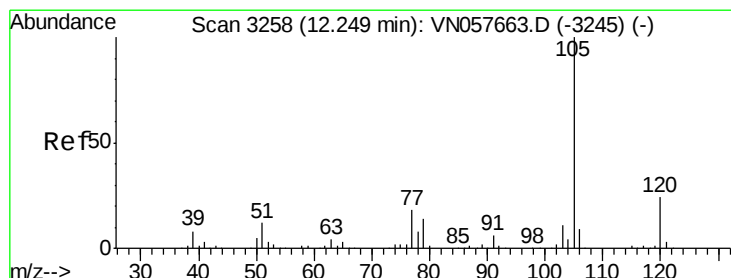
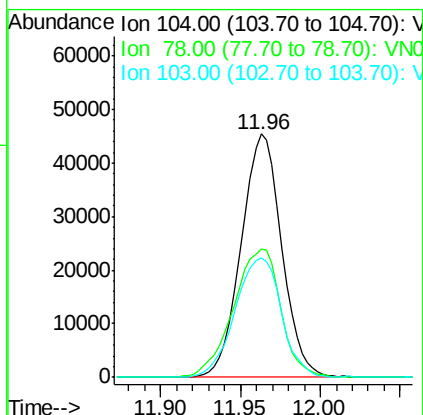
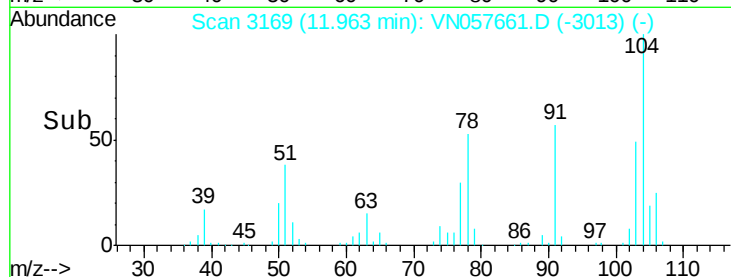
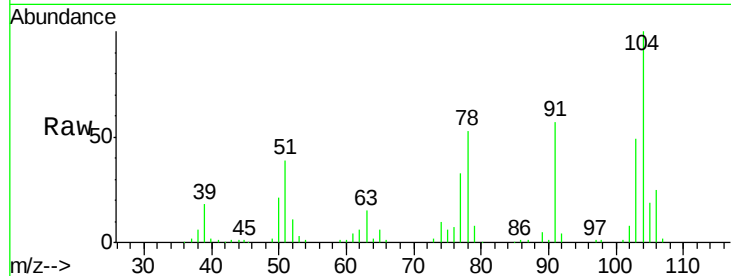
#69
Stvrene
Concen: 10.272 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057661.D
Acq: 3 Sep 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	61.7	49.0	73.6
103	56.0	44.9	67.3

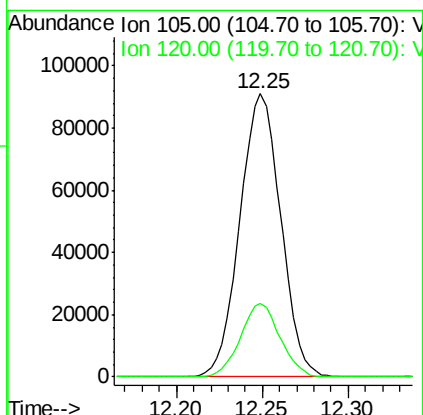
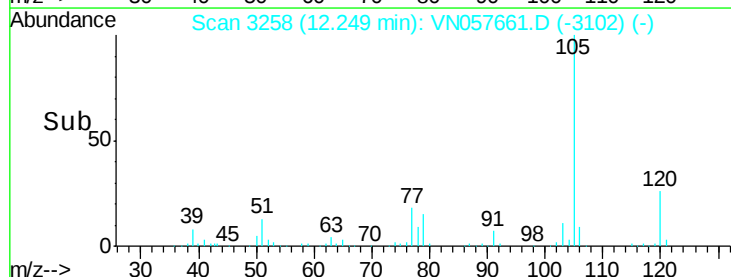
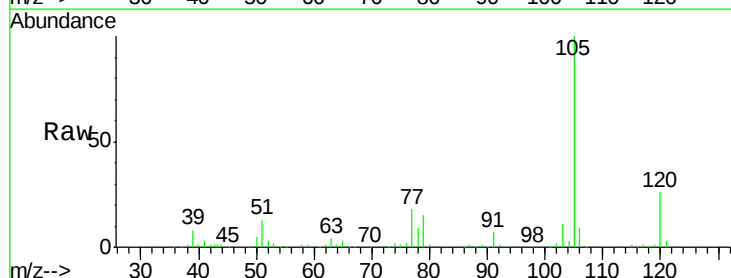
Manual Integrations
APPROVED

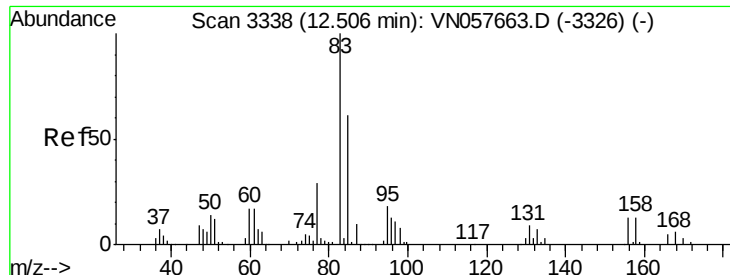
MMDadoda
9/5/2019 3:22:43 PM



#70
Isopropylbenzene
Concen: 11.485 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN057661.D
Acq: 3 Sep 2019 13:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.1	17.2	32.0





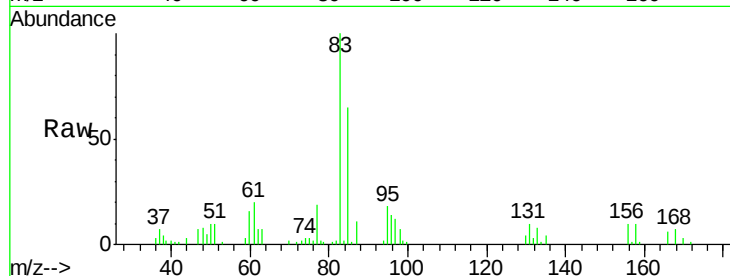
#71
 1,1,2,2-Tetrachloroethane
 Concen: 12.042 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN057661.D
 Acq: 3 Sep 2019 13:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	83	Resp	41424
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.0	14.9
85	63.9	31.7	95.1

Manual Integrations
 APPROVED

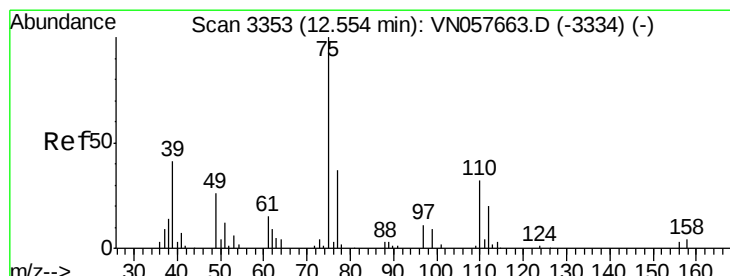
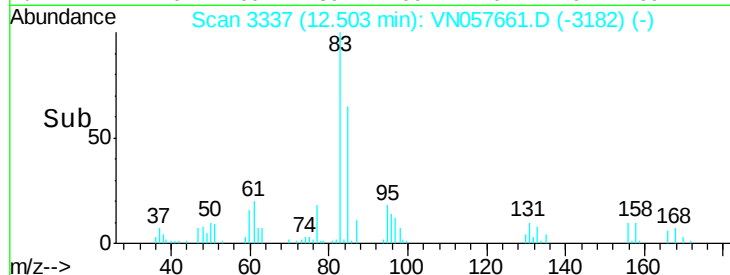
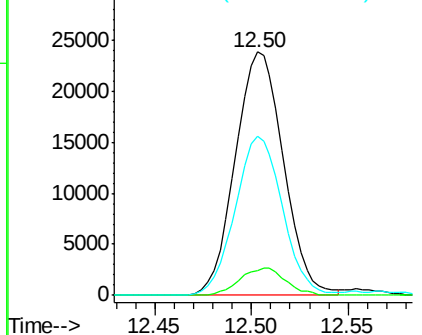
MMDadoda
 9/5/2019 3:22:43 PM



Abundance Ion 83.00 (82.70 to 83.70): VN057661.D (-3182) (-)

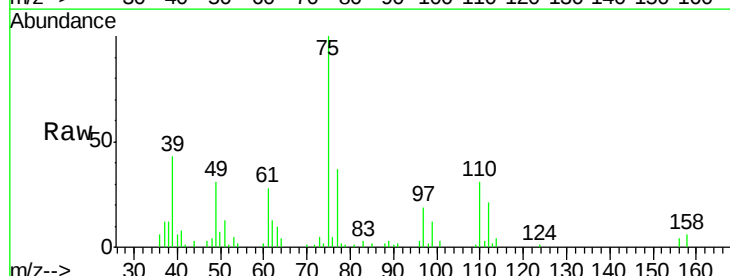
Ion 131.00 (130.70 to 131.70): VN057661.D (-3182) (-)

Ion 85.00 (84.70 to 85.70): VN057661.D (-3182) (-)



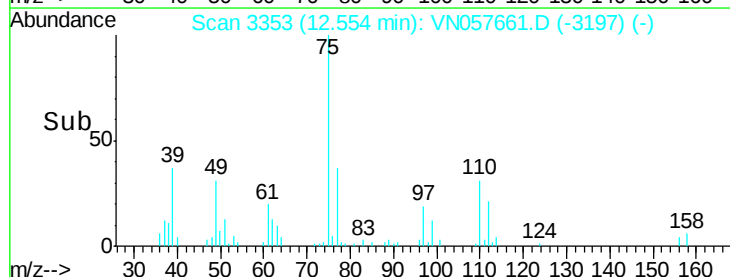
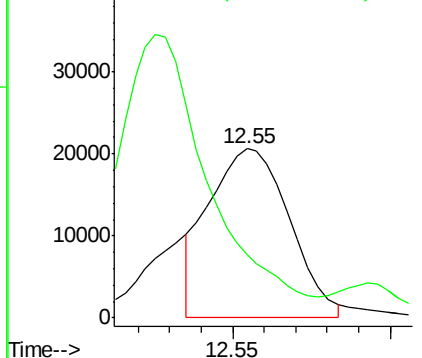
#72
 1,2,3-Trichloropropane
 Concen: 11.372 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN057661.D
 Acq: 3 Sep 2019 13:41

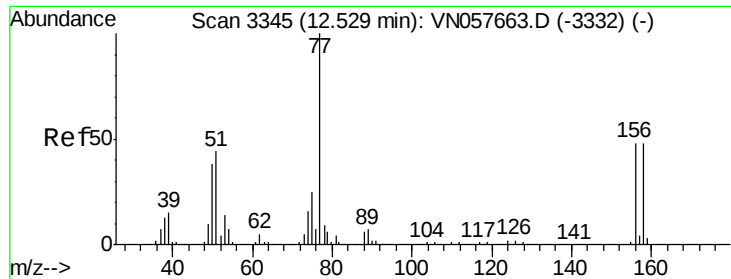
Tgt Ion	75	Resp	36790
Ion Ratio	Lower	Upper	
75	100		
77	193.4	0.0	405.6



Abundance Ion 75.00 (74.70 to 75.70): VN057661.D (-3197) (-)

Ion 77.00 (76.70 to 77.70): VN057661.D (-3197) (-)





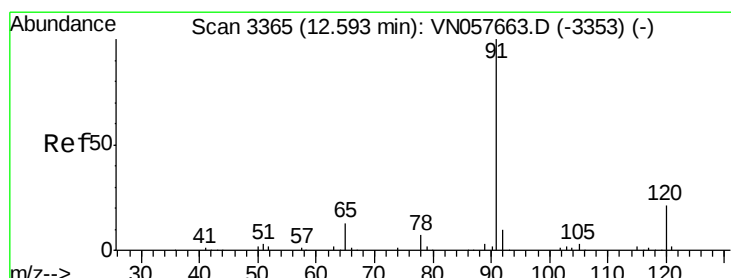
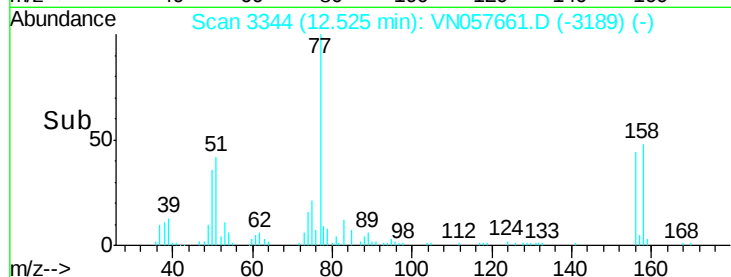
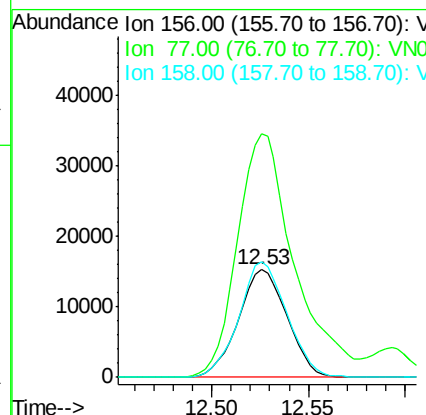
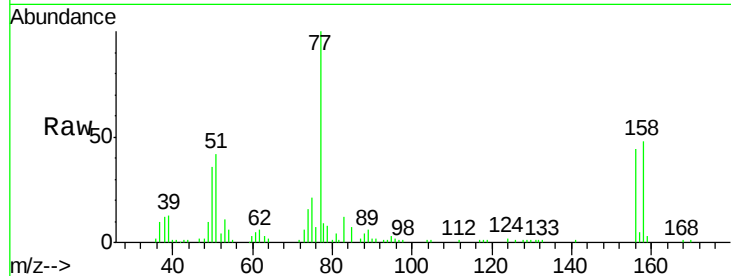
#73
Bromobenzene
Concen: 9.656 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN057661.D
Acq: 3 Sep 2019 13:41

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	265.9	0.0	495.6
158	106.1	0.0	197.8

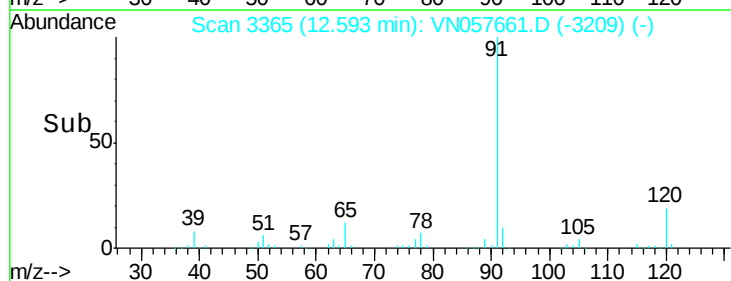
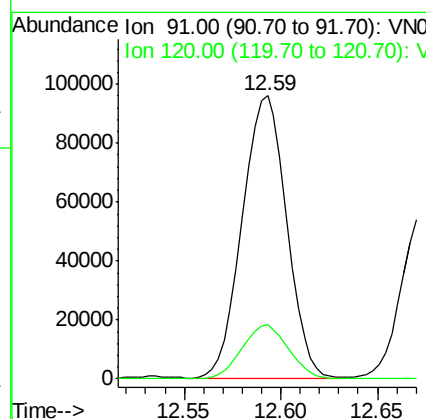
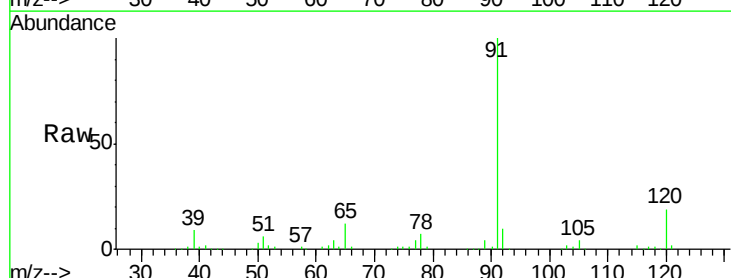
Manual Integrations
APPROVED

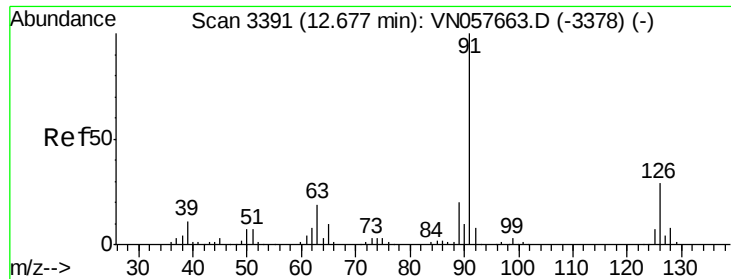
MMDadoda
9/5/2019 3:22:43 PM



#74
n-propylbenzene
Concen: 10.637 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN057661.D
Acq: 3 Sep 2019 13:41

Tgt Ion	Ratio	Lower	Upper
91	100		
120	19.8	0.0	40.4





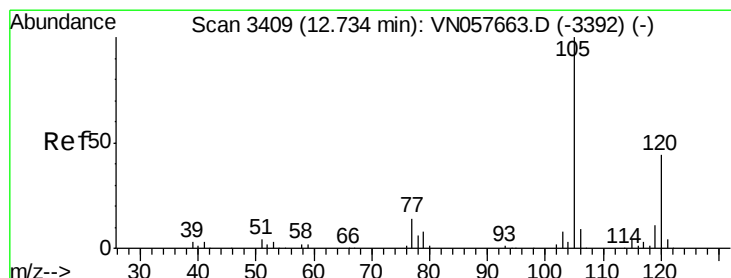
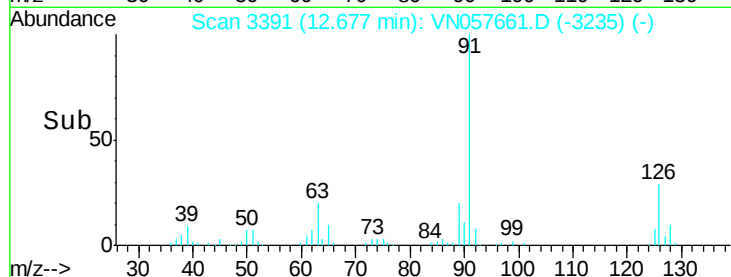
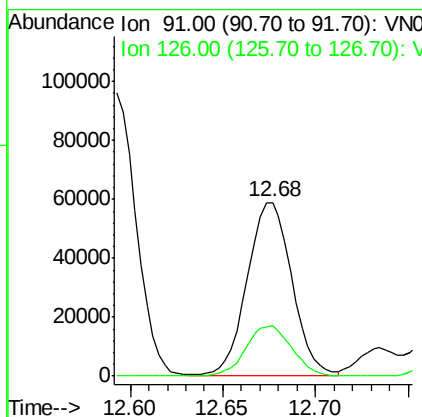
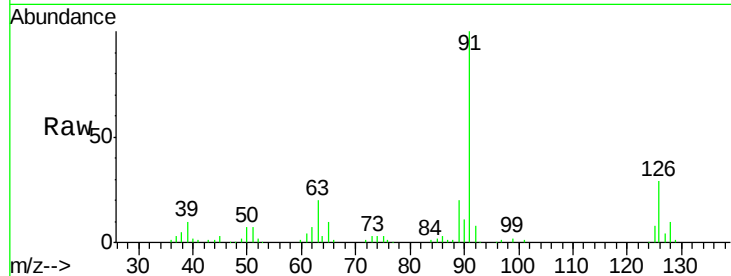
#75
 2-Chlorotoluene
 Concen: 10.922 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN057661.D
 Acq: 3 Sep 2019 13:41

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion: 91 Resp: 98957
 Ion Ratio Lower Upper
 91 100
 126 29.8 0.0 59.2

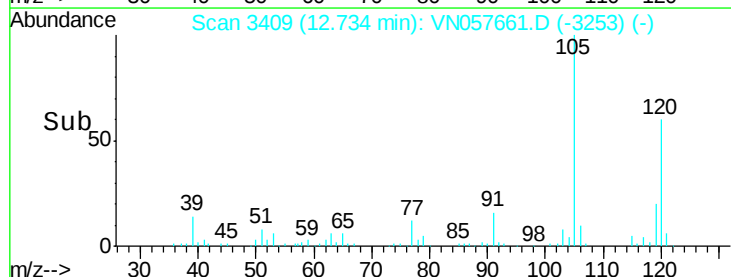
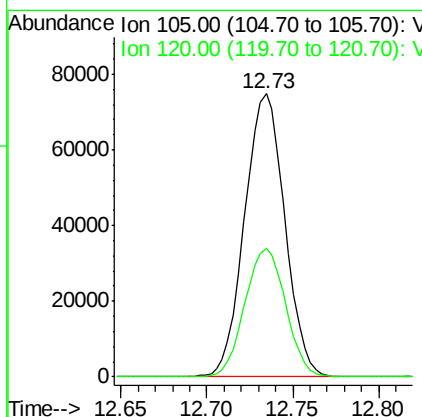
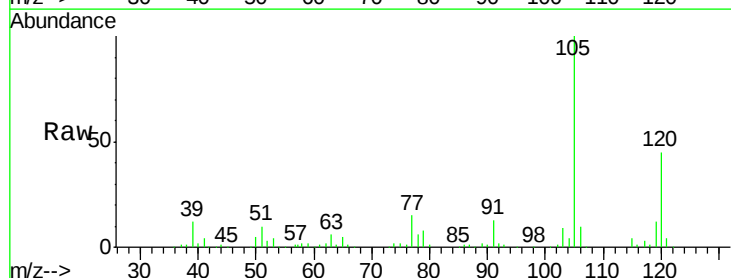
Manual Integrations
 APPROVED

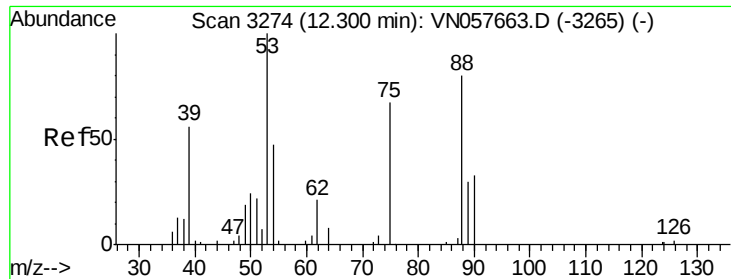
MMDadoda
 9/5/2019 3:22:43 PM



#76
 1,3,5-Trimethylbenzene
 Concen: 11.169 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN057661.D
 Acq: 3 Sep 2019 13:41

Tgt Ion: 105 Resp: 121224
 Ion Ratio Lower Upper
 105 100
 120 46.0 0.0 91.0





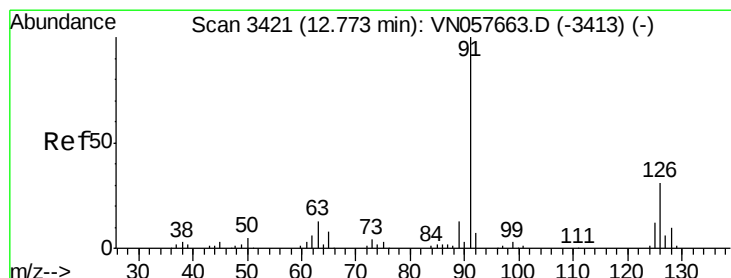
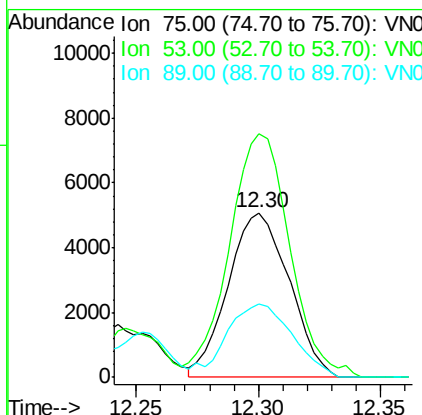
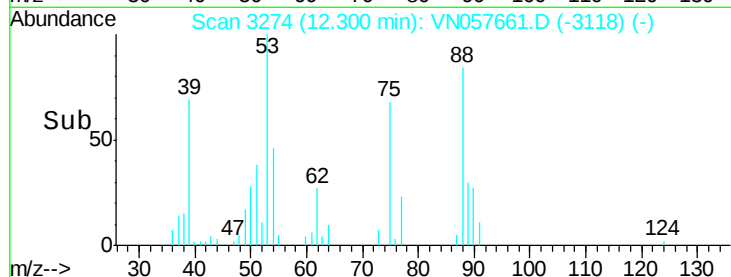
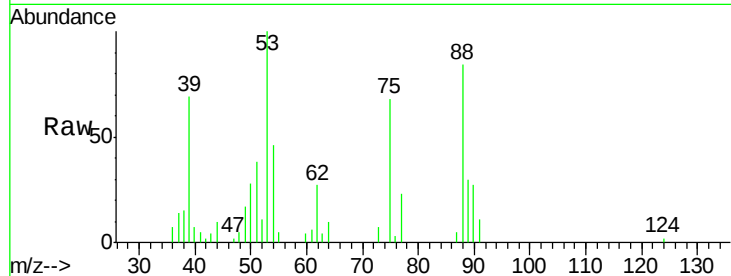
#77
t-1,4-Dichloro-2-butene
Concen: 8.942 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN057661.D
Acq: 3 Sep 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	142.3	74.2	222.6
89	44.7	23.3	69.9

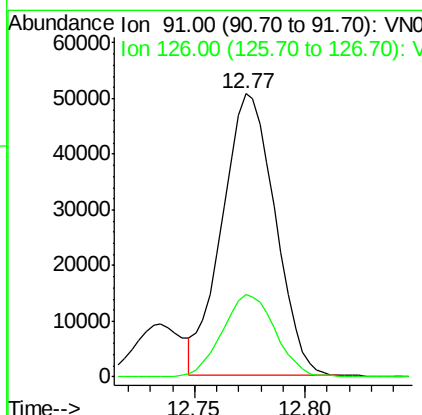
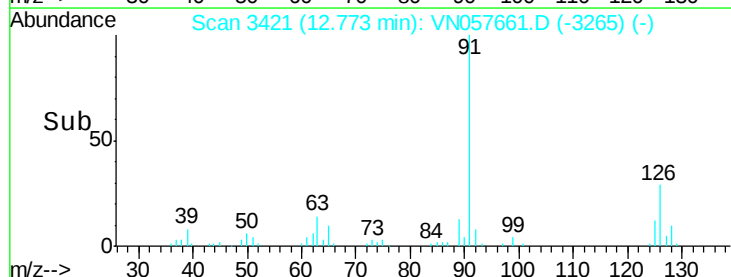
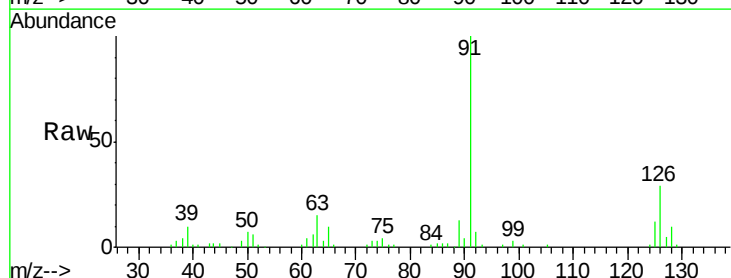
Manual Integrations
APPROVED

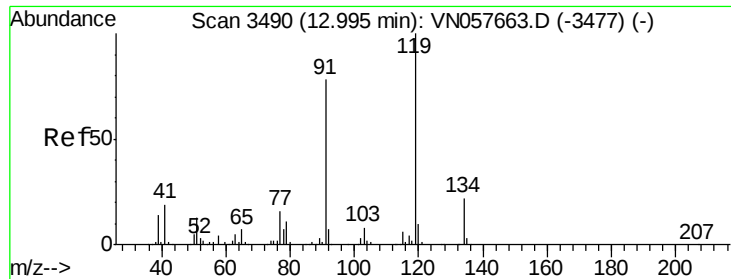
MMDadoda
9/5/2019 3:22:43 PM



#78
4-Chlorotoluene
Concen: 9.799 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN057661.D
Acq: 3 Sep 2019 13:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.2	0.0	57.8





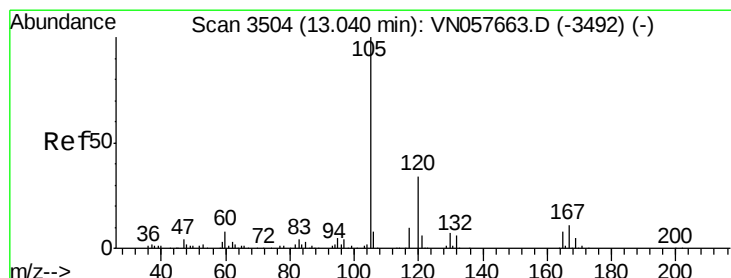
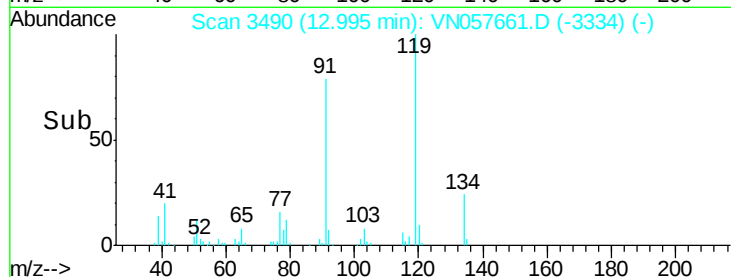
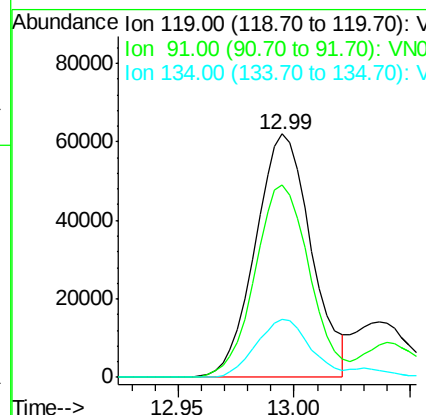
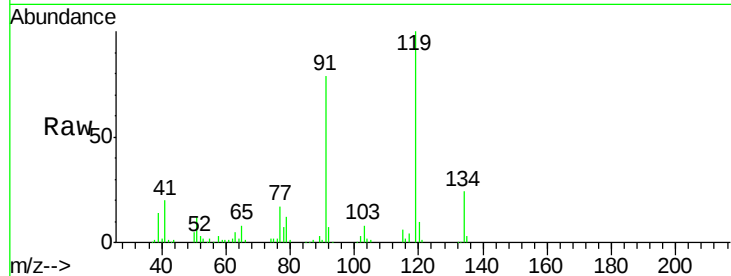
#79
tert-butylbenzene
Concen: 11.167 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057661.D
Acq: 3 Sep 2019 13:41

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	104098		
91	77.6	0.0	155.6	
134	23.0	0.0	48.2	

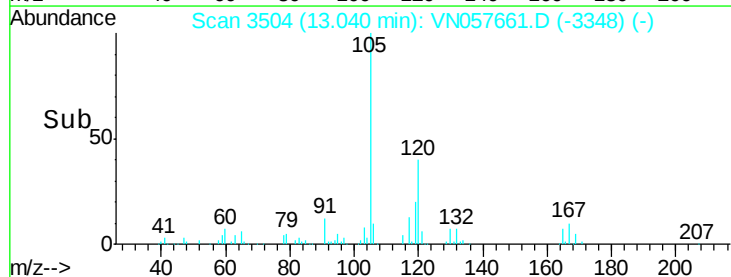
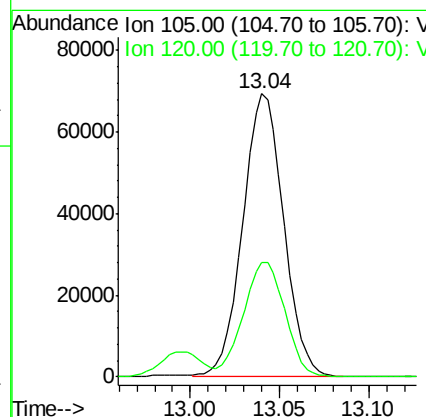
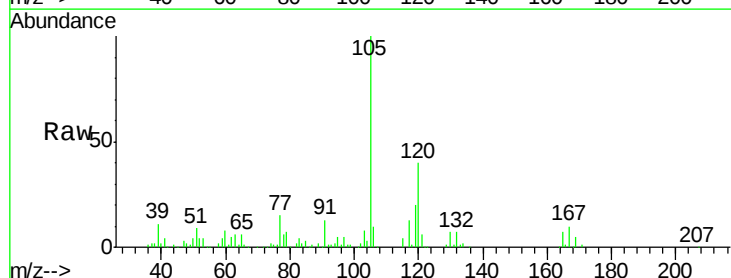
Manual Integrations
APPROVED

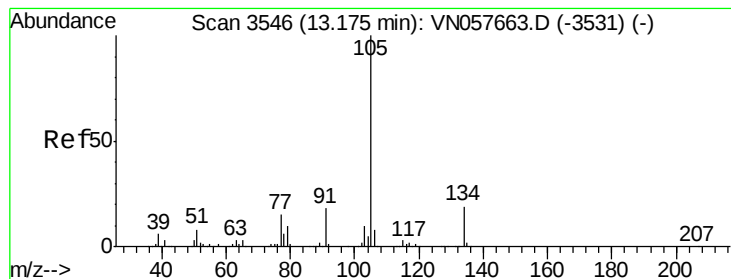
MMDadoda
9/5/2019 3:22:43 PM



#80
1,2,4-Trimethylbenzene
Concen: 10.914 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN057661.D
Acq: 3 Sep 2019 13:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	111305		
120	41.1	0.0	83.4	





#81

sec-Butylbenzene

Concen: 10.667 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057661.D

Acq: 3 Sep 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:105 Resp: 128138

Ion Ratio Lower Upper

105 100

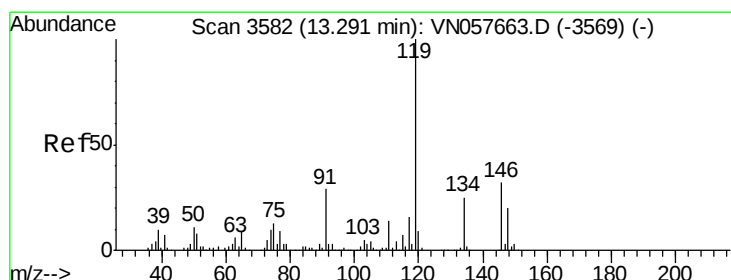
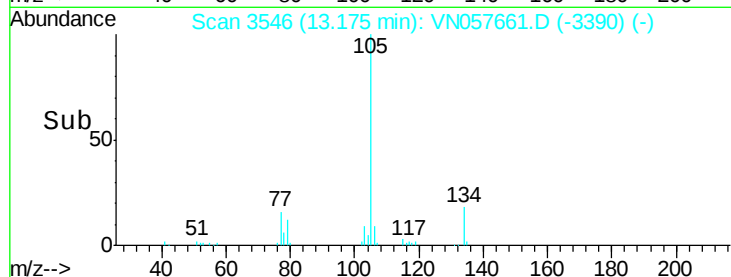
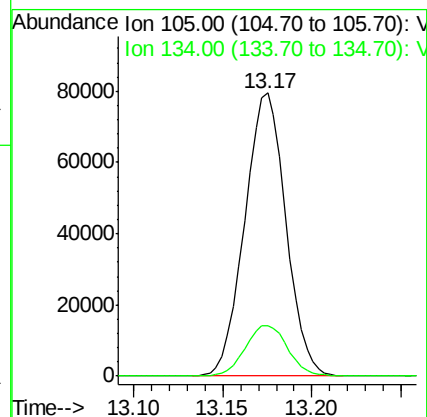
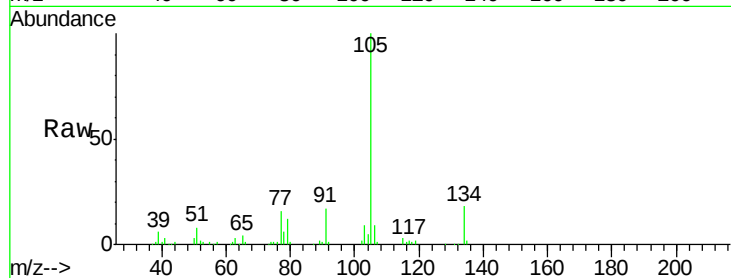
134 18.4 0.0 36.2

Manual Integrations

APPROVED

MMDadoda

9/5/2019 3:22:43 PM



#82

p-Isopropyltoluene

Concen: 10.455 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057661.D

Acq: 3 Sep 2019 13:41

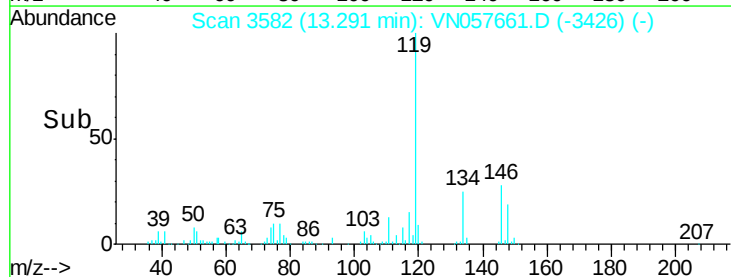
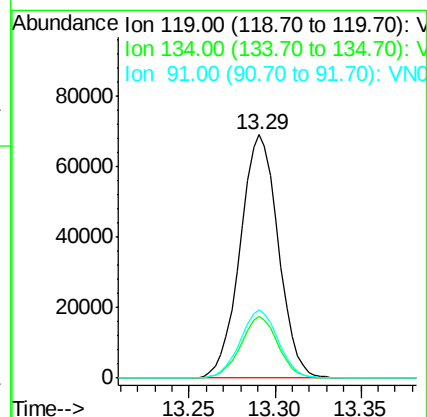
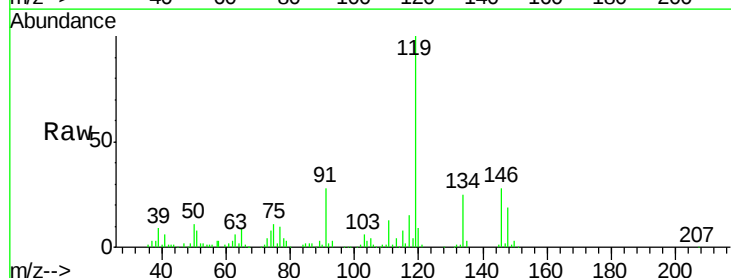
Tgt Ion:119 Resp: 106674

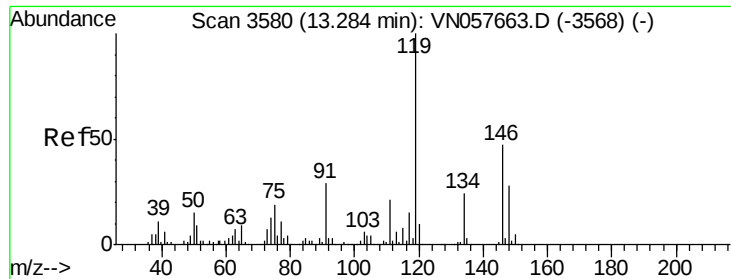
Ion Ratio Lower Upper

119 100

134 24.6 0.0 49.6

91 28.0 0.0 56.2





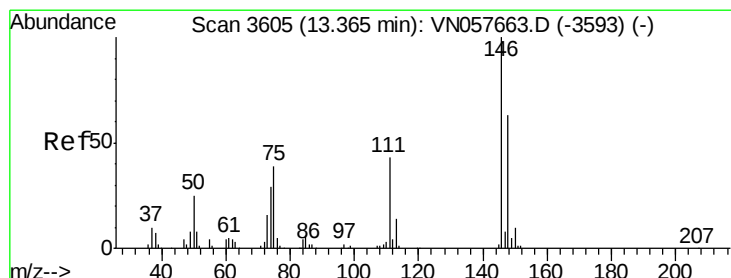
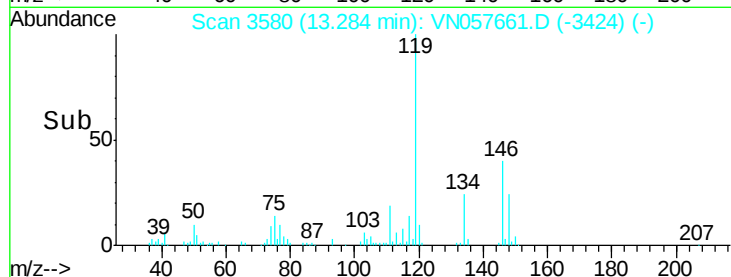
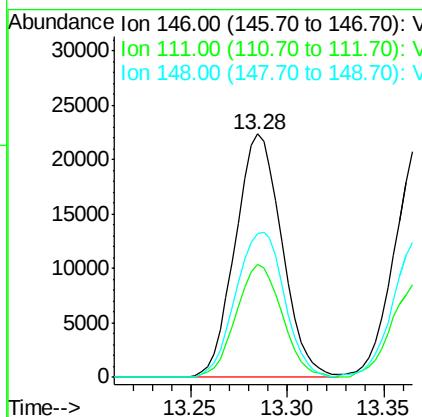
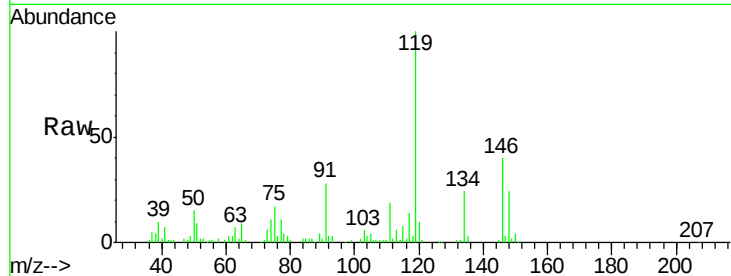
#83
 1,3-Dichlorobenzene
 Concen: 9.058 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057661.D
 Acq: 3 Sep 2019 13:41

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.3	22.1	66.3
148	62.2	31.3	93.9

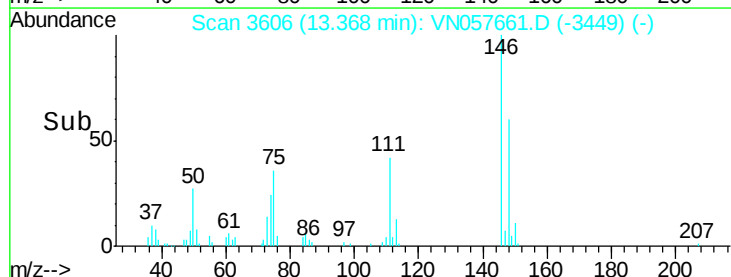
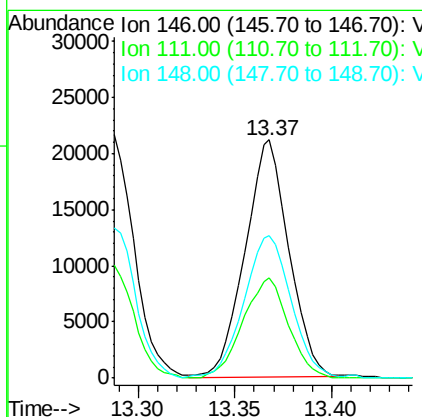
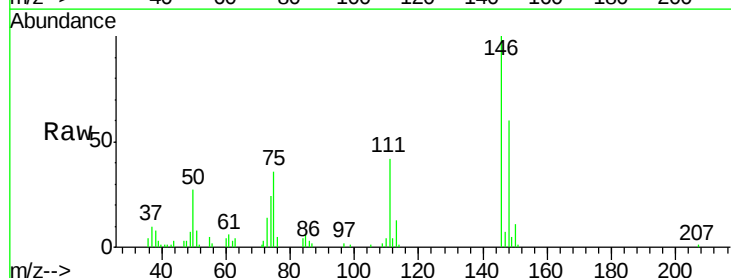
Manual Integrations
 APPROVED

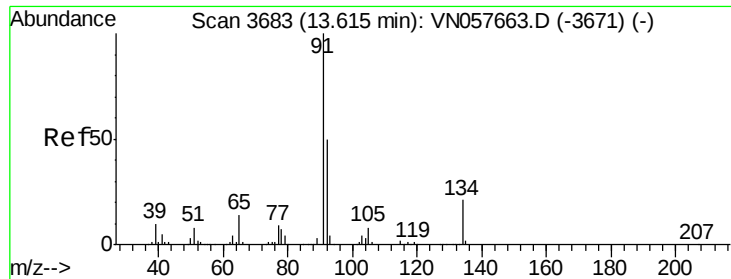
MMDadoda
 9/5/2019 3:22:43 PM



#84
 1,4-Dichlorobenzene
 Concen: 8.470 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057661.D
 Acq: 3 Sep 2019 13:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.3	63.9
148	65.0	31.0	93.0





#85

n-Butylbenzene

Concen: 9.322 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN057661.D

Acq: 3 Sep 2019 13:41

Instrument :

MSVOA_N

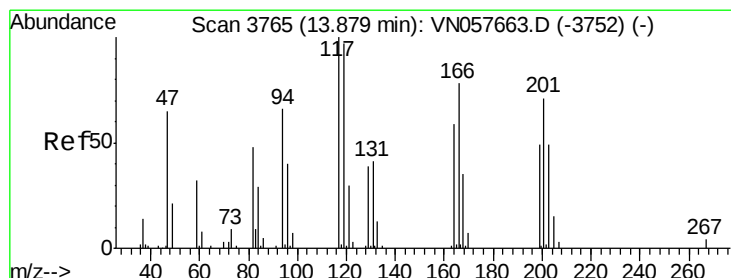
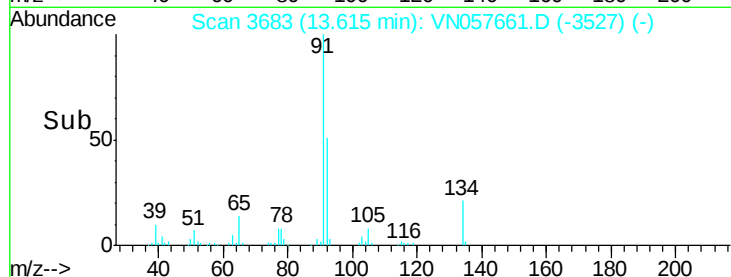
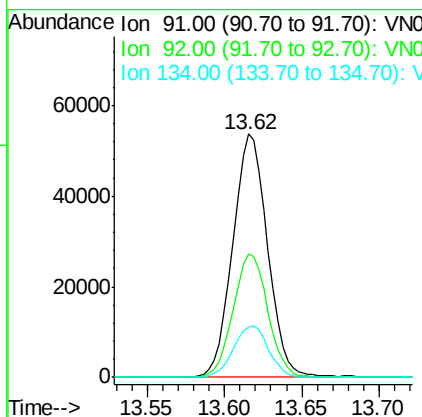
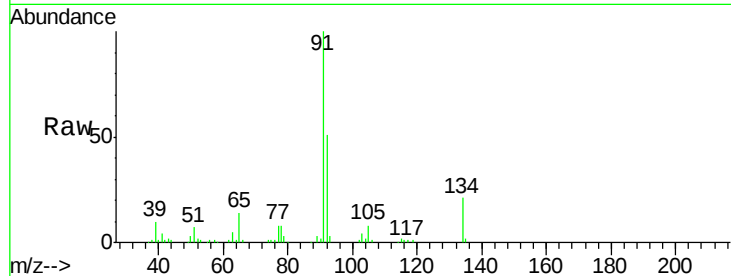
ClientSampled :

VSTDCCC020

Tot Ion:	91	Resp:	83601
Ion	Ratio	Lower	Upper
91	100		
92	50.5	0.0	100.2
134	21.4	0.0	43.8

Manual Integrations
APPROVED

MMDadoda
9/5/2019 3:22:43 PM



#86

Hexachloroethane

Concen: 10.287 ug/l

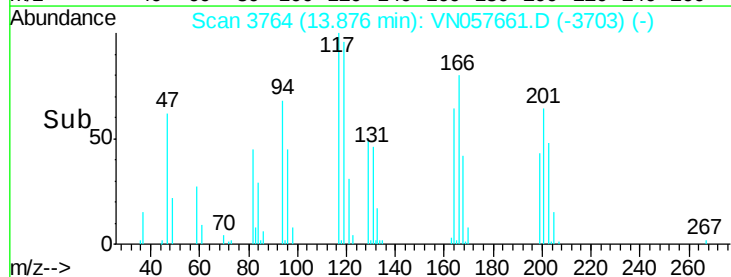
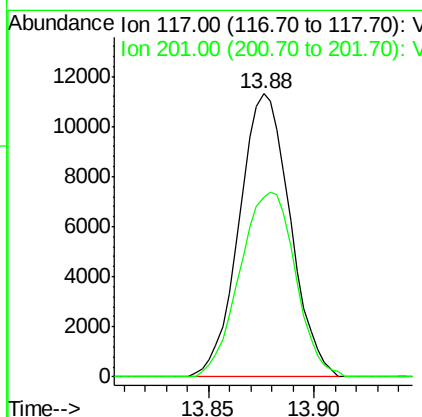
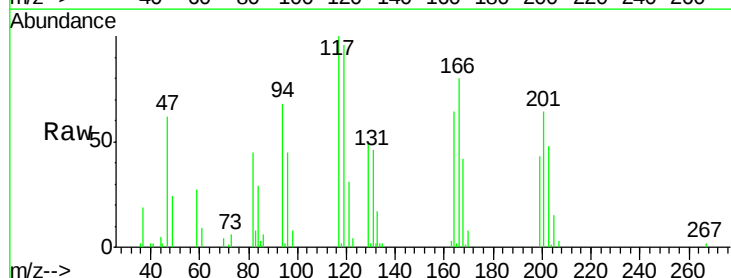
RT: 13.88 min Scan# 3764

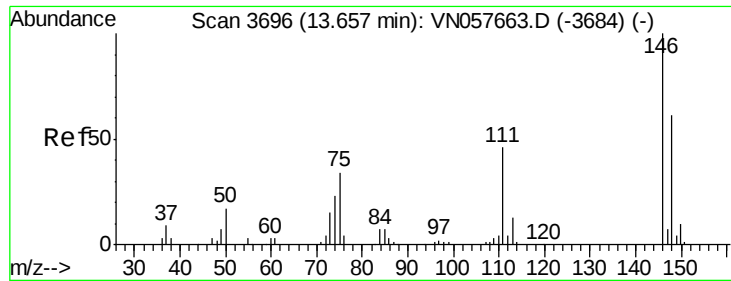
Delta R.T. -0.00 min

Lab File: VN057661.D

Acq: 3 Sep 2019 13:41

Tgt Ion:	117	Resp:	18992
Ion	Ratio	Lower	Upper
117	100		
201	71.0	34.1	102.2





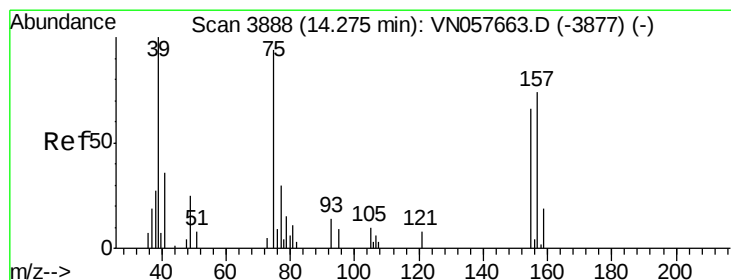
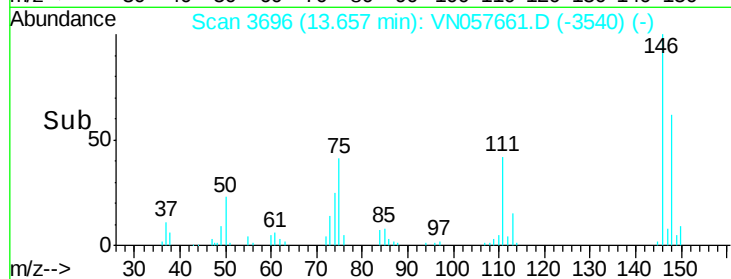
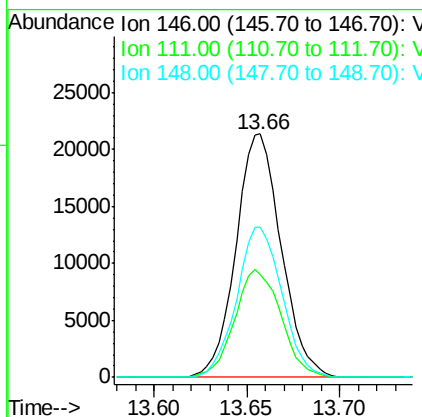
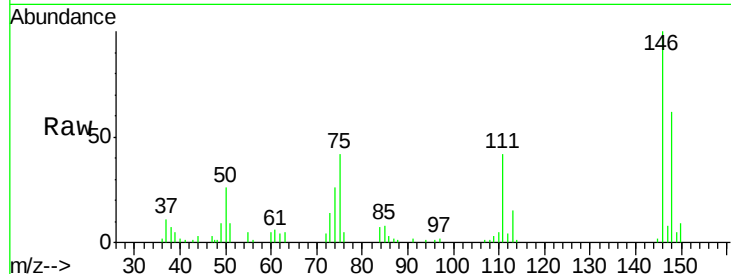
#87
 1,2-Dichlorobenzene
 Concen: 9.446 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057661.D
 Acq: 3 Sep 2019 13:41

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.3	22.6	67.7
148	61.7	31.3	93.9

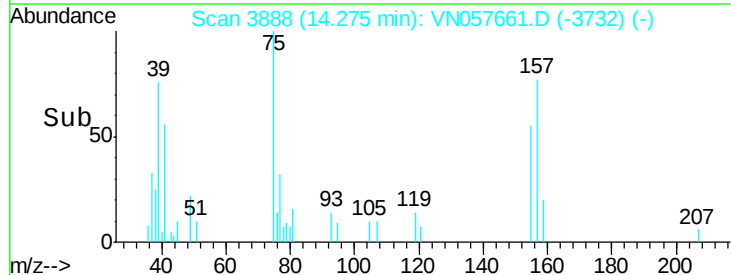
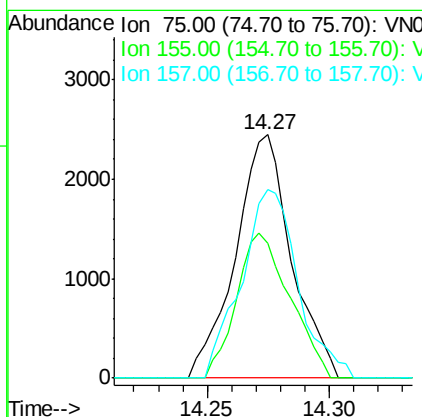
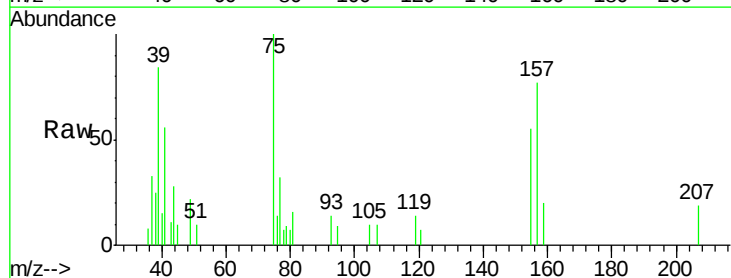
Manual Integrations
 APPROVED

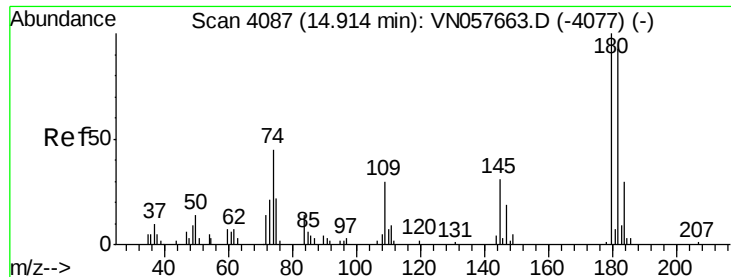
MMDadoda
 9/5/2019 3:22:43 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 7.716 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057661.D
 Acq: 3 Sep 2019 13:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	57.1	54.6	82.0
157	78.7	65.5	98.3





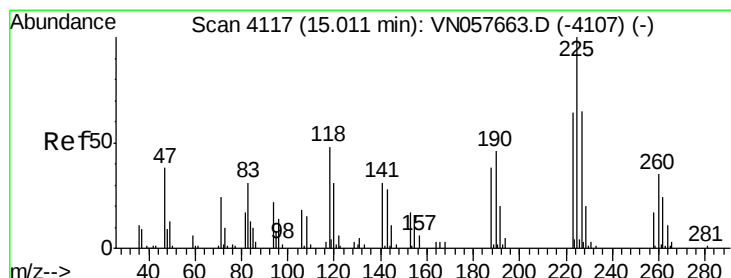
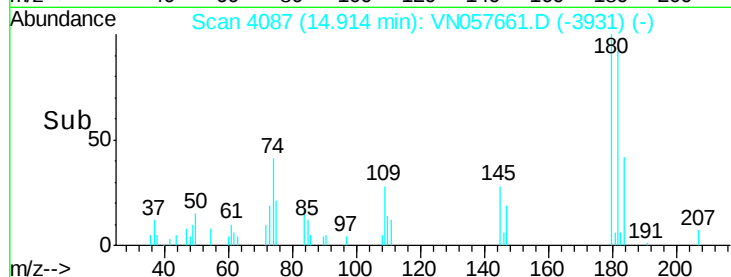
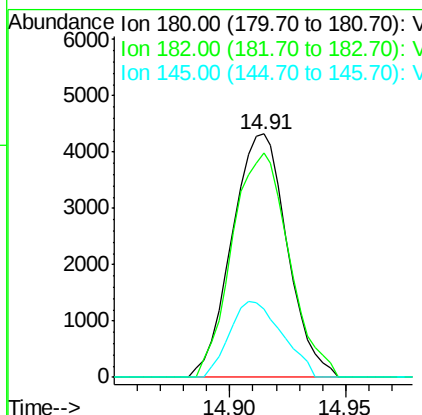
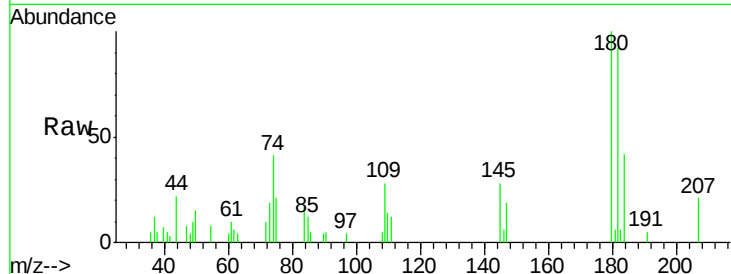
#89
1,2,4-Trichlorobenzene
Concen: 5.401 ug/l
RT: 14.91 min Scan# 4087
Delta R.T. 0.00 min
Lab File: VN057661.D
Acq: 3 Sep 2019 13:41

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	77.4	116.2
145	29.7	25.1	37.7

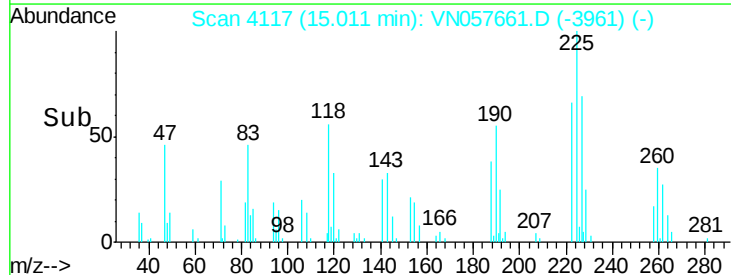
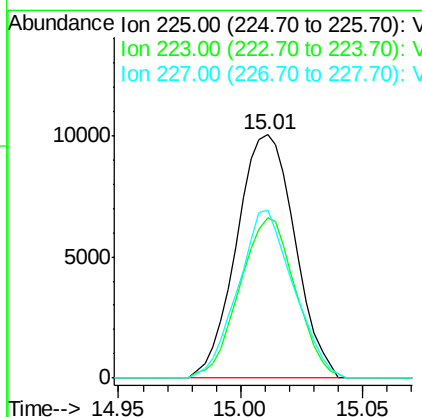
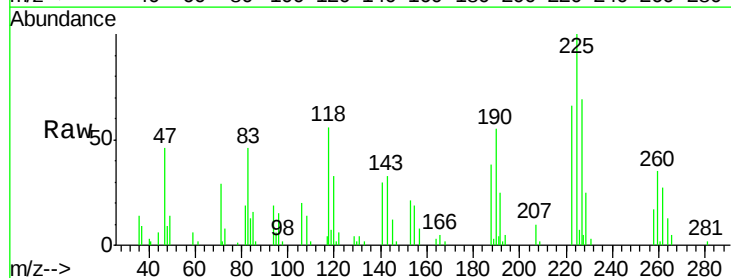
Manual Integrations
APPROVED

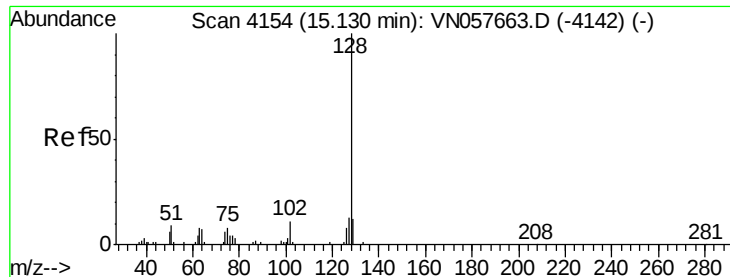
MMDadoda
9/5/2019 3:22:43 PM



#90
Hexachlorobutadiene
Concen: 11.314 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN057661.D
Acq: 3 Sep 2019 13:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	0.0	131.0
227	65.7	0.0	128.6





#91

Naphthalene

Concen: 5.113 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057661.D

Acq: 3 Sep 2019 13:41

Instrument :

MSVOA_N

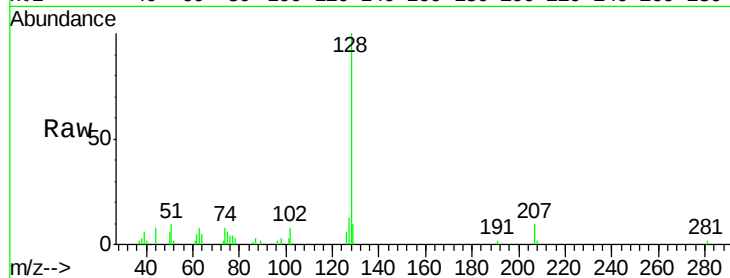
ClientSampled :

VSTDCCC020

Tot Ion:	128	Resp:	17613
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.3	15.5
129	11.7	9.1	13.7

Manual Integrations
APPROVED

MMDadoda
9/5/2019 3:22:43 PM

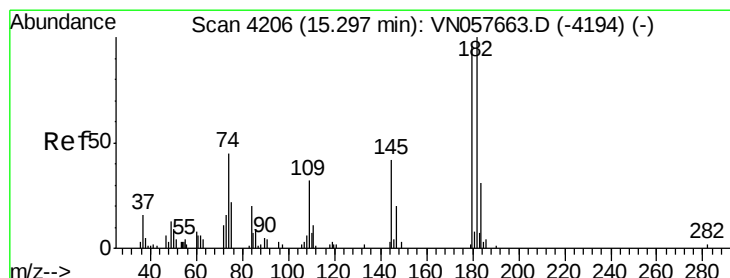
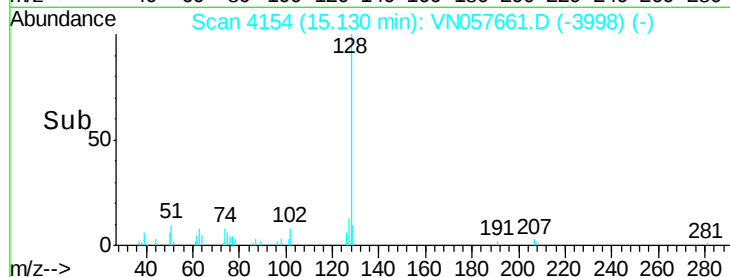
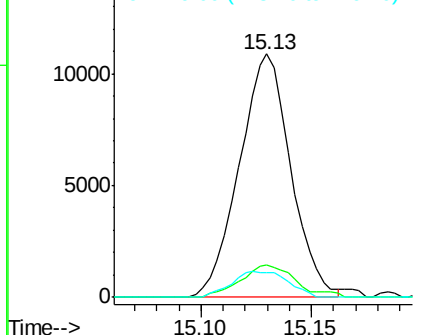


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 5.257 ug/l

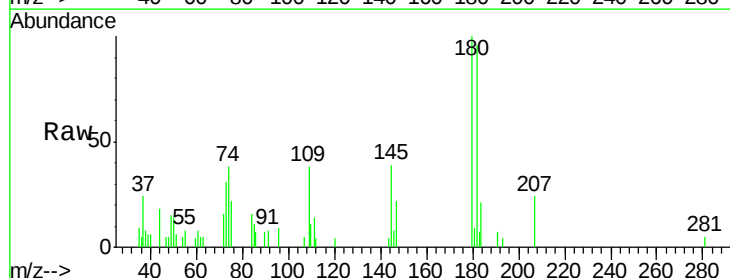
RT: 15.29 min Scan# 4205

Delta R.T. -0.00 min

Lab File: VN057661.D

Acq: 3 Sep 2019 13:41

Tgt Ion:	180	Resp:	6775
Ion Ratio	Lower	Upper	
180	100		
182	101.7	0.0	199.4
145	32.8	0.0	73.2



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

