

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111820\
 Data File : VN064703.D
 Acq On : 18 Nov 2020 13:01
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 11/19/2020 2:10:03 PM

Quant Time: Nov 18 14:01:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 18 13:40:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	283783	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	499078	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	472319	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	232012	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	239580	48.41	ug/l	0.00
Spiked Amount						
			Recovery	=	96.82%	
35) Dibromofluoromethane	7.55	113	137484	41.72	ug/l	0.00
Spiked Amount						
			Recovery	=	83.44%	
50) Toluene-d8	10.06	98	627812	47.92	ug/l	0.00
Spiked Amount						
			Recovery	=	95.84%	
62) 4-Bromofluorobenzene	12.37	95	237392	48.12	ug/l	0.00
Spiked Amount						
			Recovery	=	96.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	172034	47.615	ug/l	100
3) Chloromethane	2.04	50	188211	43.320	ug/l	100
4) Vinyl Chloride	2.17	62	200702	44.854	ug/l	100
5) Bromomethane	2.53	94	146102	50.230	ug/l	100
6) Chloroethane	2.68	64	138952	47.866	ug/l	100
7) Trichlorofluoromethane	2.99	101	361564	53.173	ug/l	100
8) Diethyl Ether	3.37	74	117273	49.474	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	157032	49.218	ug/l	100
10) Methyl Iodide	3.91	142	195166	52.569	ug/l	100
11) Tert butyl alcohol	4.74	59	123141	234.940	ug/l	100
12) 1,1-Dichloroethene	3.70	96	150301	50.064	ug/l	100
13) Acrolein	3.56	56	31994	108.181	ug/l	100
14) Allyl chloride	4.28	41	266375	46.189	ug/l	100
15) Acrylonitrile	4.93	53	366439	248.563	ug/l	100
16) Acetone	3.78	43	294709	169.193	ug/l	100
17) Carbon Disulfide	4.01	76	437833	49.051	ug/l	100
18) Methyl Acetate	4.28	43	174370	47.682	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	540812	50.317	ug/l	100
20) Methylene Chloride	4.50	84	178845	48.336	ug/l	100
21) trans-1,2-Dichloroethene	4.99	96	169198	49.794	ug/l	100
22) Diisopropyl ether	5.90	45	578709	47.336	ug/l	100
23) Vinyl Acetate	5.85	43	2387602	241.100	ug/l	100
24) 1,1-Dichloroethane	5.80	63	327432	48.273	ug/l	100
25) 2-Butanone	6.79	43	499186	218.834	ug/l	100
26) 2,2-Dichloropropane	6.78	77	315356	50.813	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	191444	48.829	ug/l	100
28) Bromochloromethane	7.15	49	157875	46.048	ug/l	100
29) Tetrahydrofuran	7.17	42	344938	241.137	ug/l	100
30) Chloroform	7.33	83	357069	49.818	ug/l	100
31) Cyclohexane	7.61	56	258692	44.586	ug/l	100
32) 1,1,1-Trichloroethane	7.53	97	321886	50.405	ug/l	100
36) 1,1-Dichloropropene	7.75	75	258921	49.986	ug/l	100
37) Ethyl Acetate	6.88	43	231046	50.708	ug/l	100
38) Carbon Tetrachloride	7.73	117	284837	51.076	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111820\
 Data File : VN064703.D
 Acq On : 18 Nov 2020 13:01
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 11/19/2020 2:10:03 PM

Quant Time: Nov 18 14:01:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 18 13:40:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	227875	49.298	ug/l	100
40) Benzene	8.00	78	732928	48.232	ug/l	100
41) Methacrylonitrile	7.13	41	102801	44.615	ug/l	100
42) 1,2-Dichloroethane	8.08	62	312672	50.643	ug/l	100
43) Isopropyl Acetate	8.13	43	417085	49.850	ug/l	100
44) Trichloroethene	8.80	130	198251	51.120	ug/l	100
45) 1,2-Dichloropropane	9.08	63	196783	48.664	ug/l	100
46) Dibromomethane	9.17	93	140612	51.989	ug/l	100
47) Bromodichloromethane	9.37	83	294196	50.866	ug/l	100
48) Methyl methacrylate	9.16	41	207441	49.250	ug/l	100
49) 1,4-Dioxane	9.16	88	49469	904.520	ug/l	100
51) 4-Methyl-2-Pentanone	9.95	43	1224348	252.338	ug/l	100
52) Toluene	10.12	92	468727	50.506	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	320427	52.513	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	323956	49.915	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	186039	51.137	ug/l	100
56) Ethyl methacrylate	10.40	69	274847	52.406	ug/l	100
57) 1,3-Dichloropropane	10.68	76	317996	50.249	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	744738	281.733	ug/l	100
59) 2-Hexanone	10.72	43	891761	254.327	ug/l	100
60) Dibromochloromethane	10.87	129	213586	52.460	ug/l	100
61) 1,2-Dibromoethane	10.97	107	194725	52.695	ug/l	100
64) Tetrachloroethene	10.60	164	210421	56.931	ug/l	100
65) Chlorobenzene	11.40	112	510233	49.900	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	189809	49.937	ug/l	100
67) Ethyl Benzene	11.48	91	922703	51.079	ug/l	100
68) m/p-Xylenes	11.59	106	686863	104.530	ug/l	100
69) o-Xylene	11.92	106	326184	51.438	ug/l	100
70) Styrene	11.94	104	570714	53.390	ug/l	100
71) Bromoform	12.10	173	135373	52.866	ug/l	100
73) Isopropylbenzene	12.22	105	851141	47.391	ug/l	100
74) N-amyl acetate	12.04	43	400897	51.122	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.48	83	231507	42.330	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	258883m	47.233	ug/l	
77) Bromobenzene	12.50	156	207109	46.897	ug/l	100
78) n-propylbenzene	12.56	91	998876	48.684	ug/l	100
79) 2-Chlorotoluene	12.65	91	616726	47.190	ug/l	100
80) 1,3,5-Trimethylbenzene	12.70	105	730174	49.076	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	94276	48.301	ug/l	100
82) 4-Chlorotoluene	12.75	91	663809	48.537	ug/l	100
83) tert-Butylbenzene	12.97	119	566430	48.651	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	740127	49.582	ug/l	100
85) sec-Butylbenzene	13.14	105	747346	50.657	ug/l	100
86) p-Isopropyltoluene	13.26	119	690452	51.877	ug/l	100
87) 1,3-Dichlorobenzene	13.25	146	379802	49.606	ug/l	100
88) 1,4-Dichlorobenzene	13.33	146	378816	47.851	ug/l	100
89) n-Butylbenzene	13.59	91	622419	54.037	ug/l	100
90) Hexachloroethane	13.85	117	111596	44.427	ug/l	100
91) 1,2-Dichlorobenzene	13.62	146	364111	49.584	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	59164	53.009	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111820\
Data File : VN064703.D
Acq On : 18 Nov 2020 13:01
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

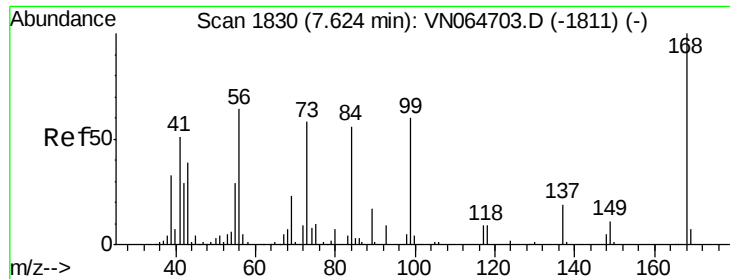
Manual Integrations
APPROVED

MMDadoda
11/19/2020 2:10:03 PM

Quant Time: Nov 18 14:01:18 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 18 13:40:14 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	188588	61.275	ug/l	100
94) Hexachlorobutadiene	14.98	225	78825	51.890	ug/l	100
95) Naphthalene	15.10	128	658052	64.869	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	185193	60.293	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN064703.D

Acq: 18 Nov 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 283783

Ion Ratio Lower Upper

168 100

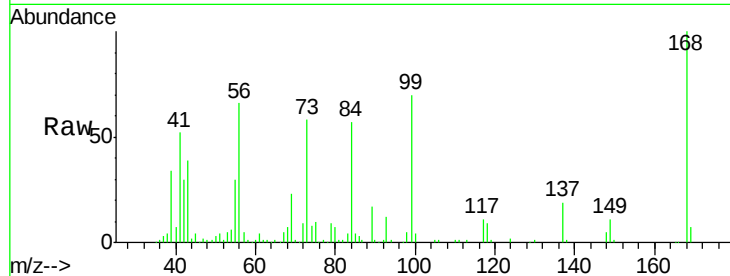
99 69.6 55.7 83.5

Manual Integrations

APPROVED

MMDadoda

11/19/2020 2:10:03 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

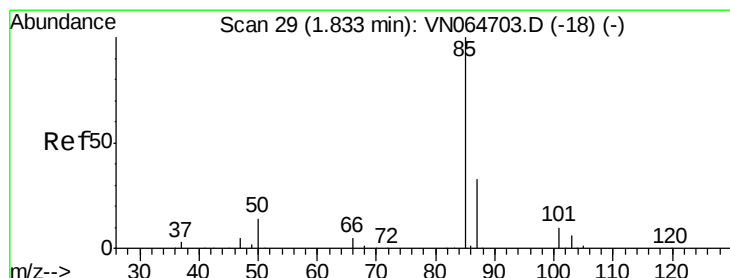
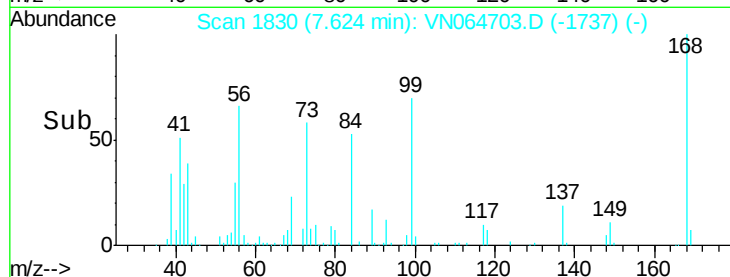
7.62

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 47.615 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064703.D

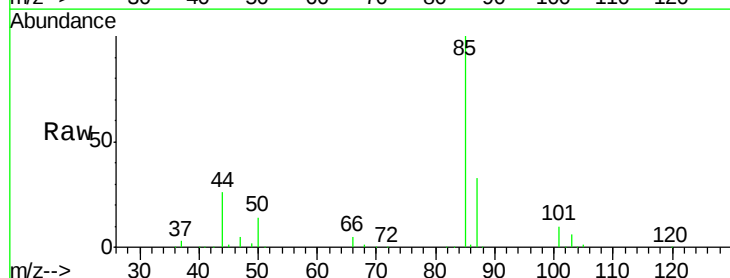
Acq: 18 Nov 2020 13:01

Tgt Ion: 85 Resp: 172034

Ion Ratio Lower Upper

85 100

87 32.8 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

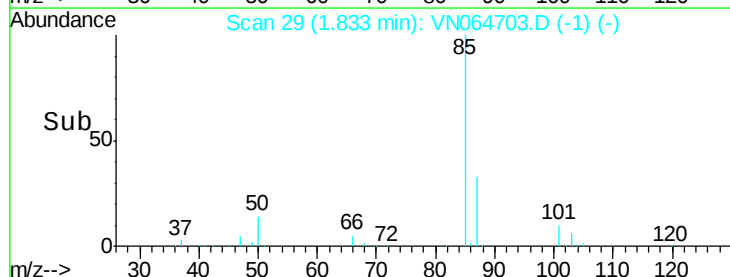
150000

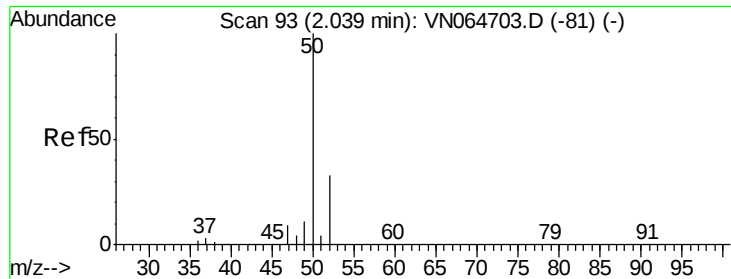
100000

50000

0

Time--> 1.75 1.80 1.85 1.90





#3

Chloromethane

Concen: 43.320 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064703.D

Acq: 18 Nov 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 188211

Ion Ratio Lower Upper

50 100

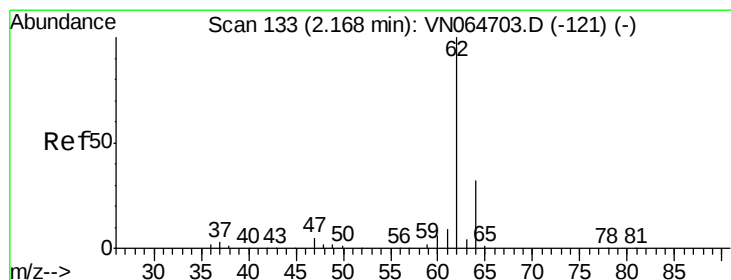
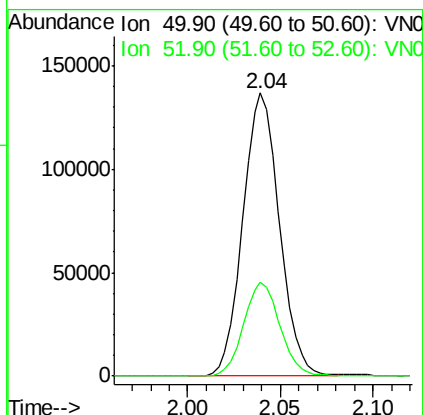
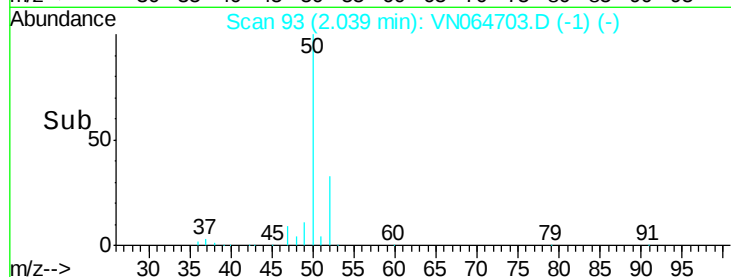
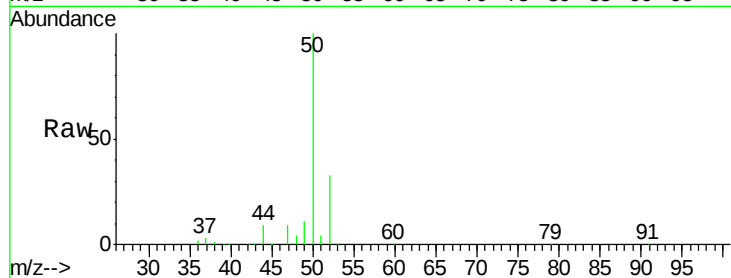
52 33.0 26.4 39.6

Manual Integrations

APPROVED

MMDadoda

11/19/2020 2:10:03 PM



#4

Vinyl Chloride

Concen: 44.854 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064703.D

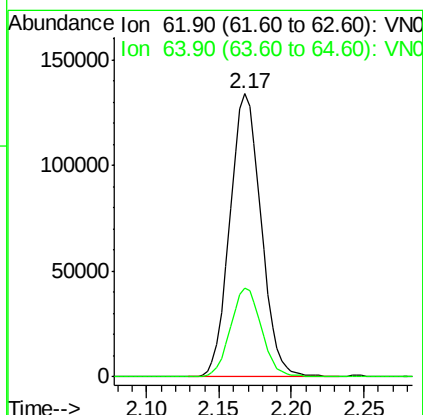
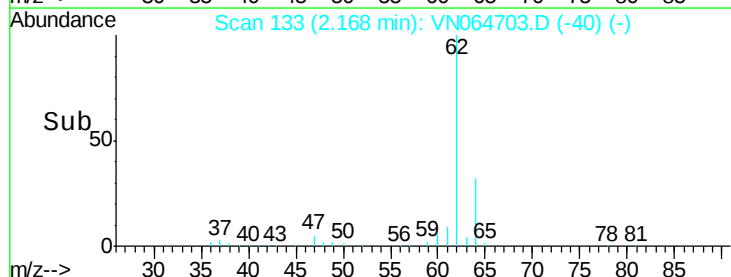
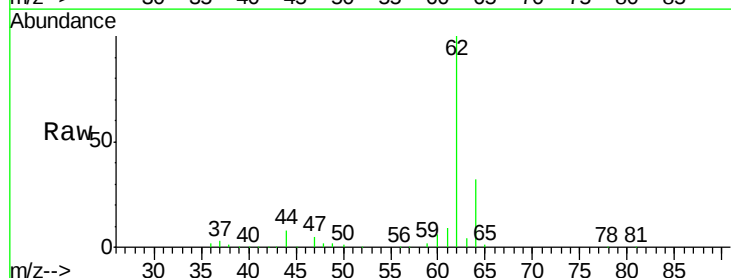
Acq: 18 Nov 2020 13:01

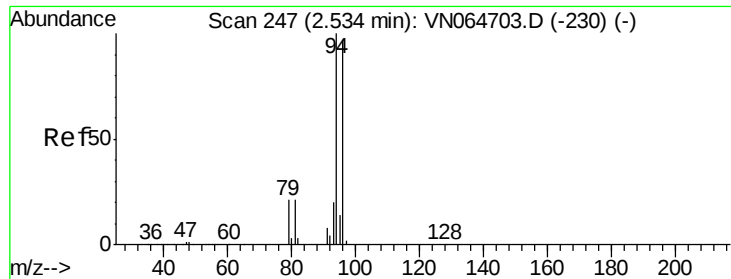
Tgt Ion: 62 Resp: 200702

Ion Ratio Lower Upper

62 100

64 31.5 25.2 37.8





#5

Bromomethane

Concen: 50.230 ug/l

RT: 2.53 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN064703.D

Acq: 18 Nov 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 146102

Ion Ratio Lower Upper

94 100

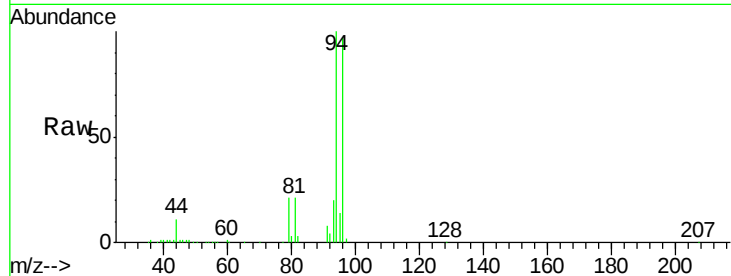
96 97.3 77.8 116.8

Manual Integrations

APPROVED

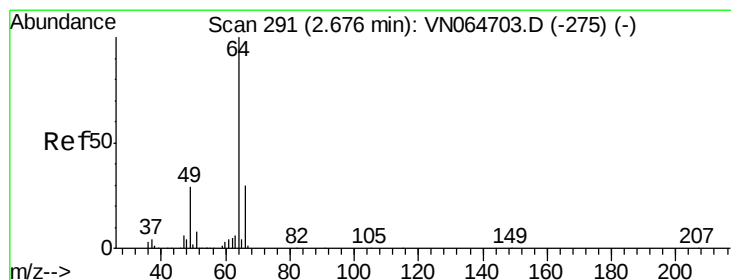
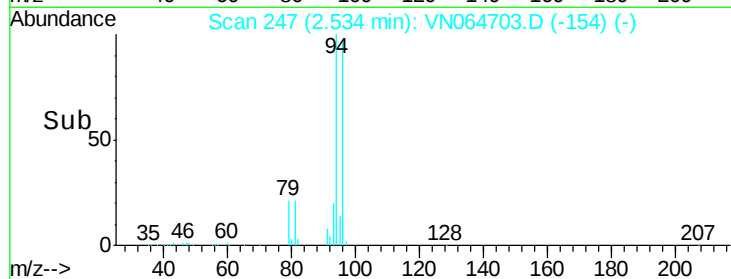
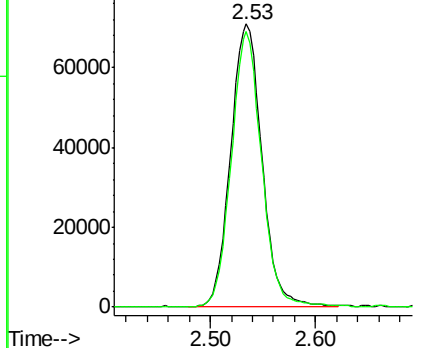
MMDadoda

11/19/2020 2:10:03 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.866 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN064703.D

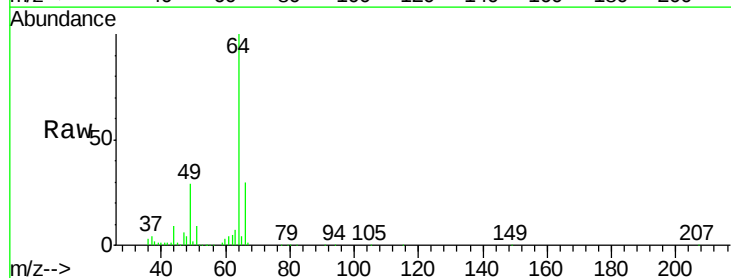
Acq: 18 Nov 2020 13:01

Tgt Ion: 64 Resp: 138952

Ion Ratio Lower Upper

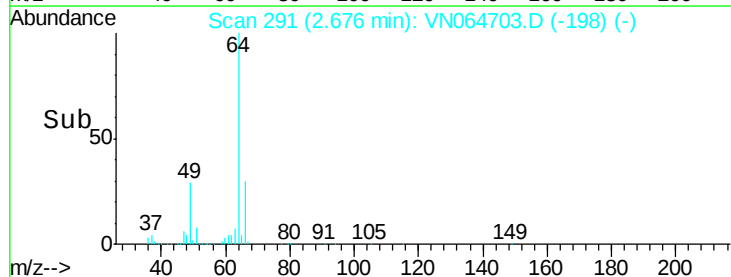
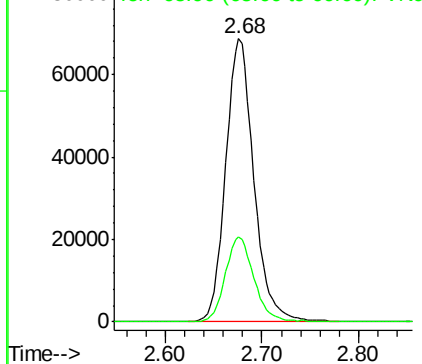
64 100

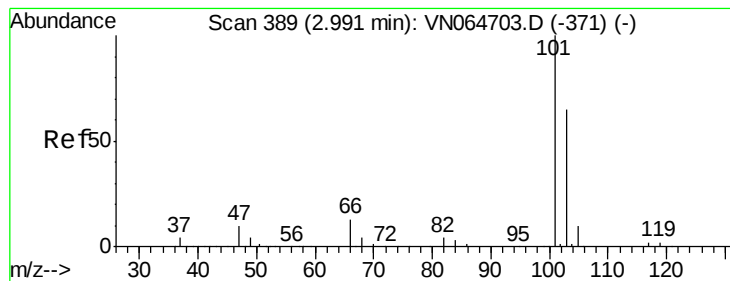
66 30.2 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

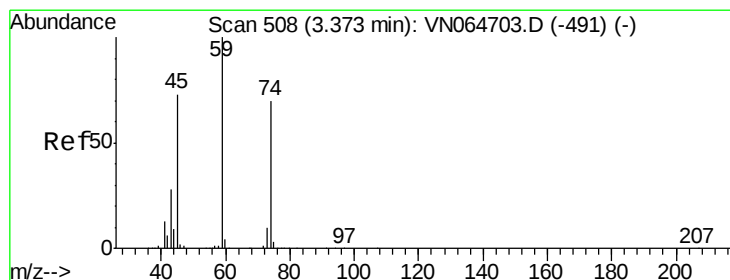
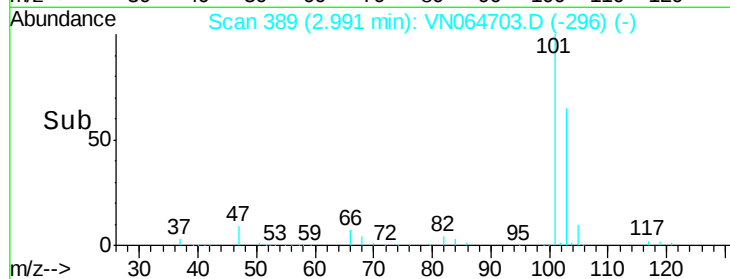
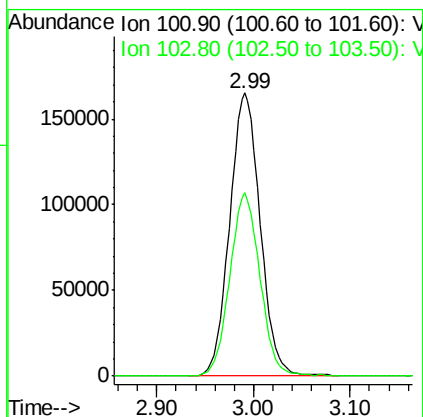
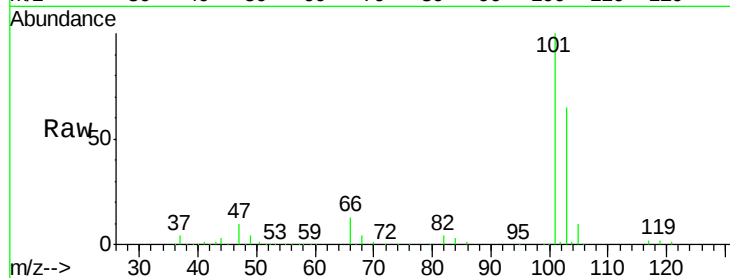
Trichlorofluoromethane
Concen: 53.173 ug/l
RT: 2.99 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN064703.D
Acq: 18 Nov 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.8	77.6

Manual Integrations
APPROVED

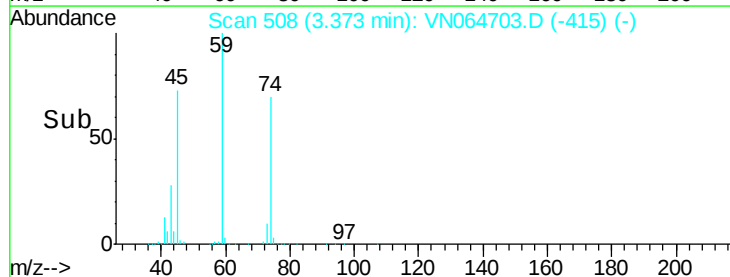
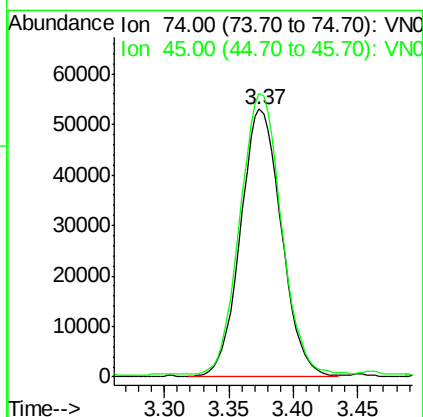
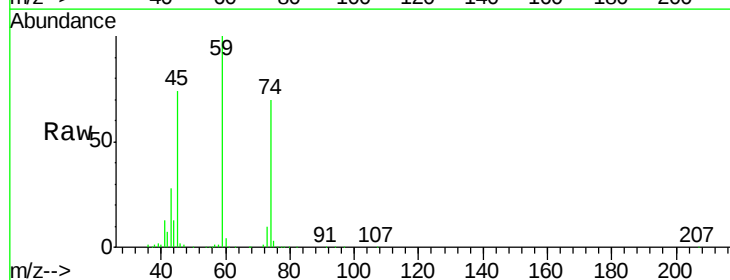
MMDadoda
11/19/2020 2:10:03 PM

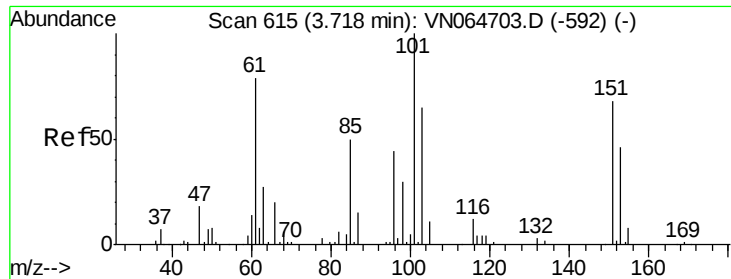


#8

Diethyl Ether
Concen: 49.474 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN064703.D
Acq: 18 Nov 2020 13:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.7	52.8	158.5





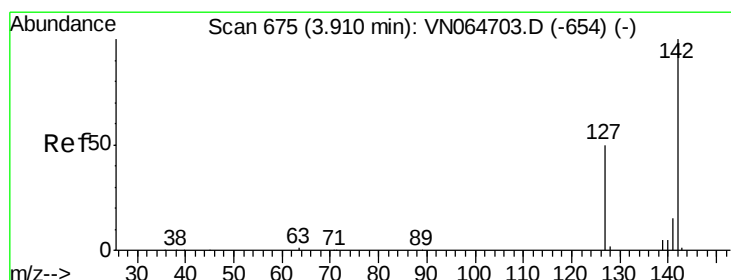
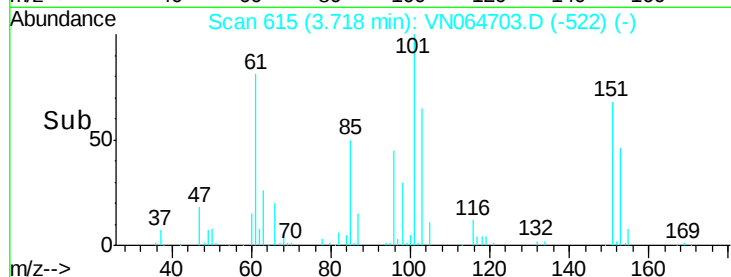
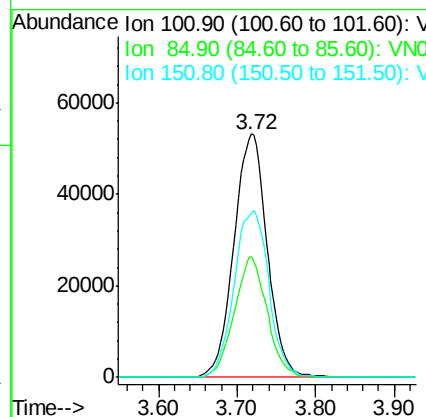
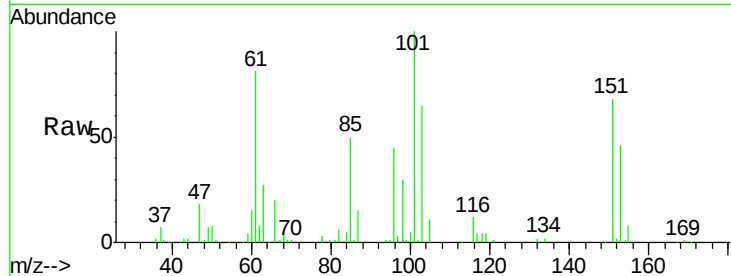
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 49.218 ug/l
 RT: 3.72 min Scan# 615
 Delta R.T. 0.00 min
 Lab File: VN064703.D
 Acq: 18 Nov 2020 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	157032		
85	48.7	39.0	58.4	
151	71.5	57.2	85.8	

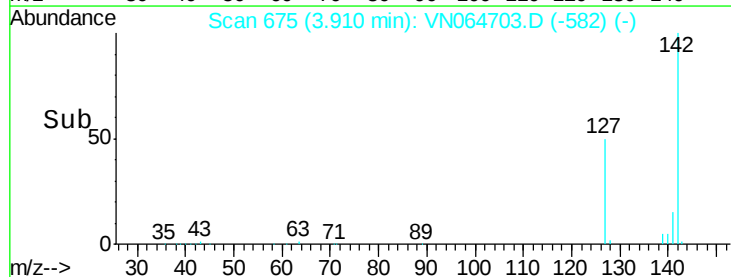
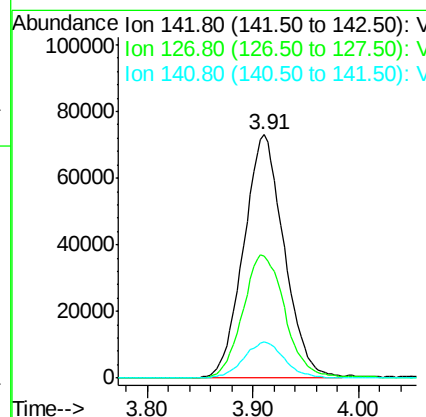
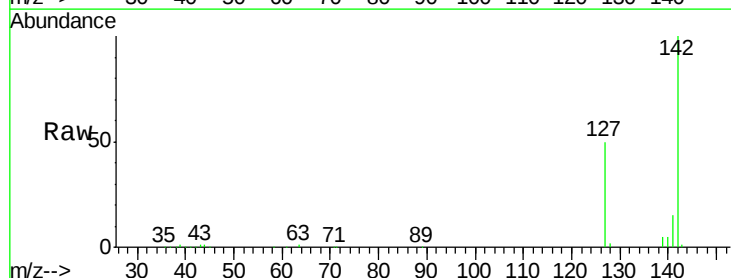
Manual Integrations
 APPROVED

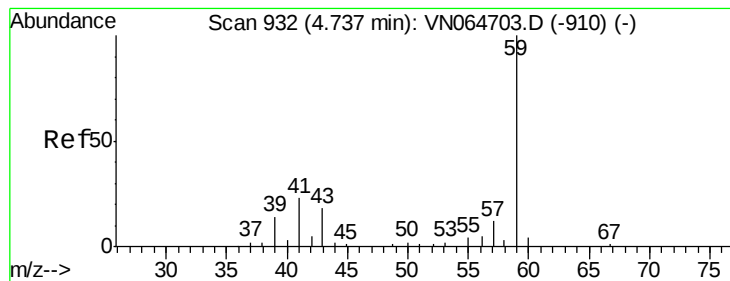
MMDadoda
 11/19/2020 2:10:03 PM



#10
 Methyl Iodide
 Concen: 52.569 ug/l
 RT: 3.91 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VN064703.D
 Acq: 18 Nov 2020 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	195166		
127	52.5	42.0	63.0	
141	15.1	12.1	18.1	





#11

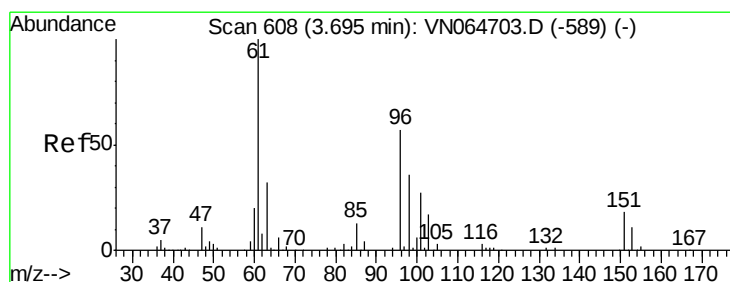
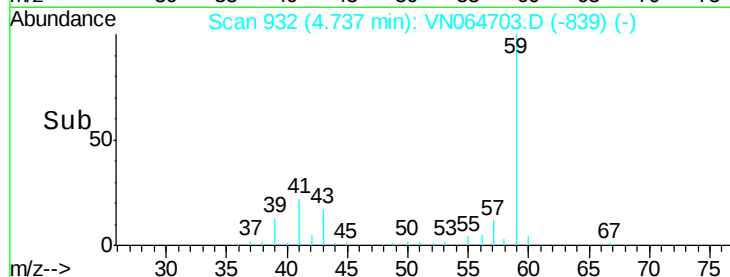
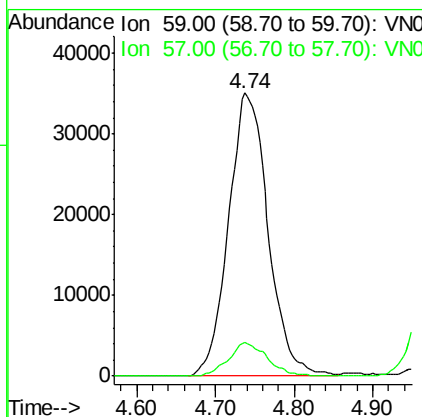
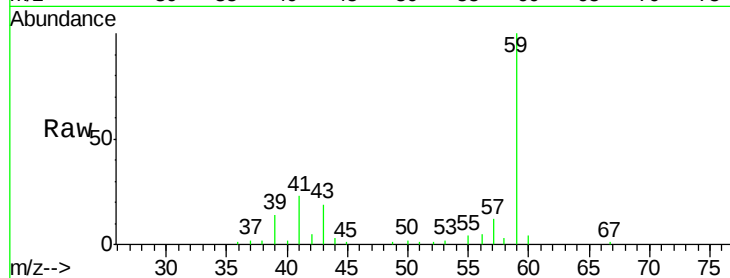
Tert butyl alcohol
Concen: 234.940 ug/l
RT: 4.74 min Scan# 932
Delta R.T. 0.00 min
Lab File: VN064703.D
Acq: 18 Nov 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.4	9.1	13.7

Manual Integrations
APPROVED

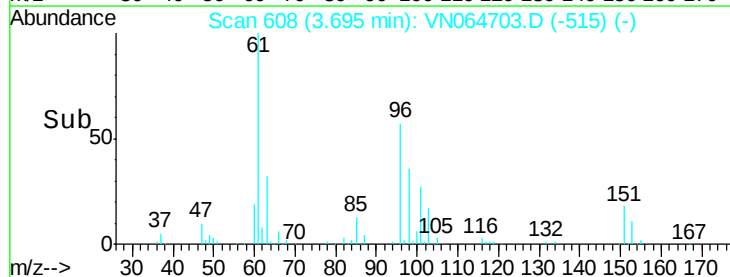
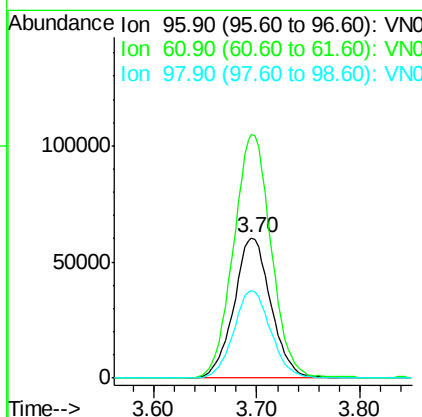
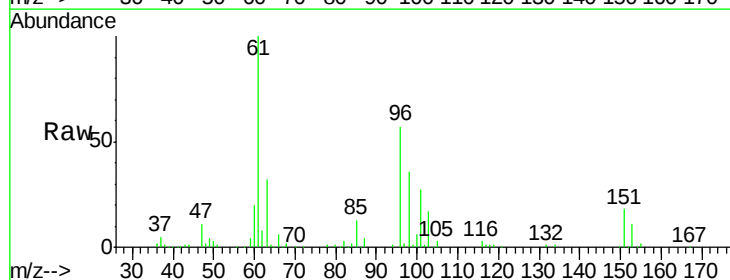
MMDadoda
11/19/2020 2:10:03 PM

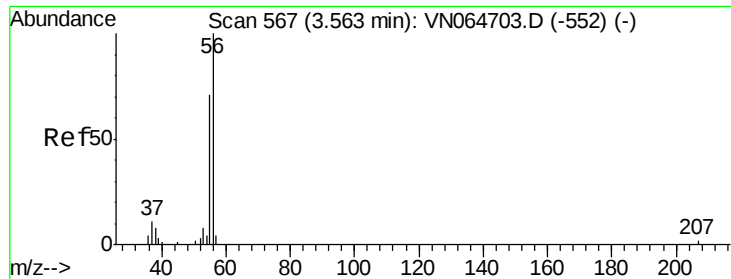


#12

1,1-Dichloroethene
Concen: 50.064 ug/l
RT: 3.70 min Scan# 608
Delta R.T. 0.00 min
Lab File: VN064703.D
Acq: 18 Nov 2020 13:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.9	139.1	208.7
98	62.7	50.2	75.2





#13

Acrolein

Concen: 108.181 ug/l

RT: 3.56 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN064703.D

Acq: 18 Nov 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 31994

Ion Ratio Lower Upper

56 100

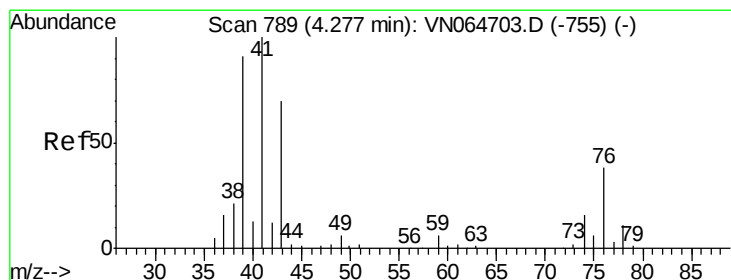
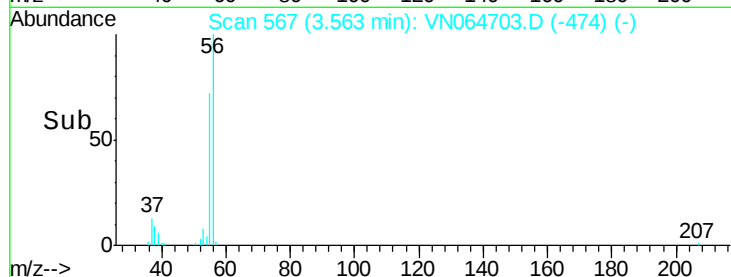
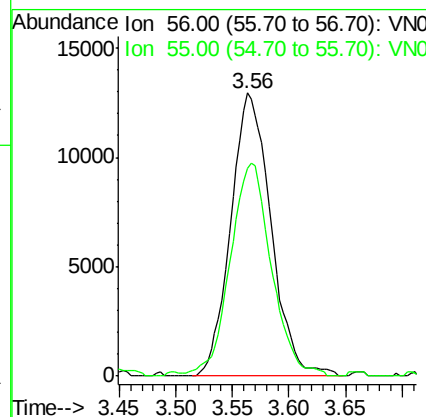
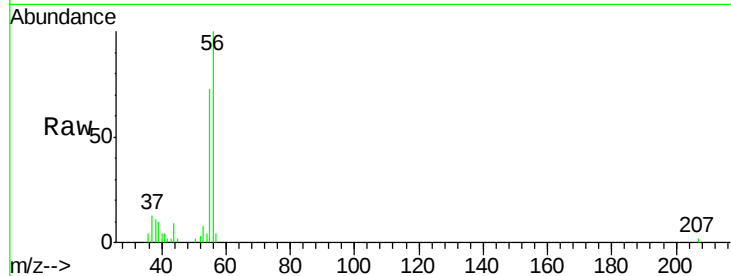
55 77.2 61.8 92.6

Manual Integrations

APPROVED

MMDadoda

11/19/2020 2:10:03 PM



#14

Allyl chloride

Concen: 46.189 ug/l

RT: 4.28 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN064703.D

Acq: 18 Nov 2020 13:01

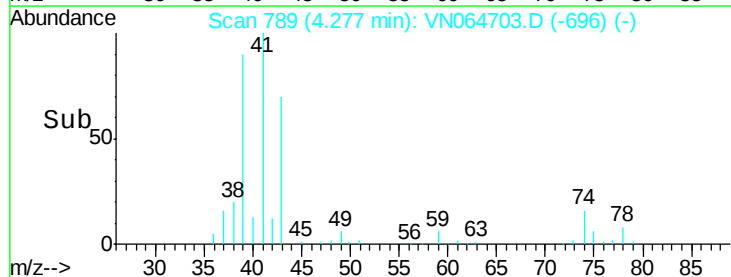
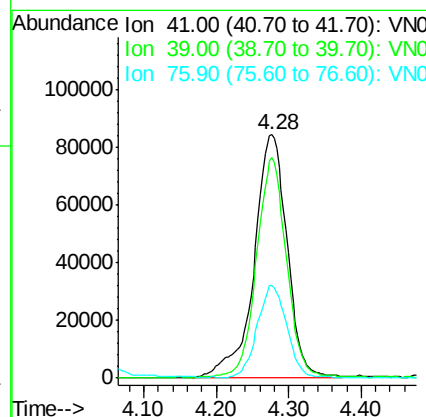
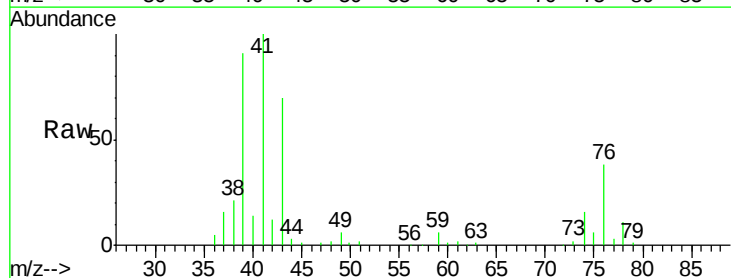
Tgt Ion: 41 Resp: 266375

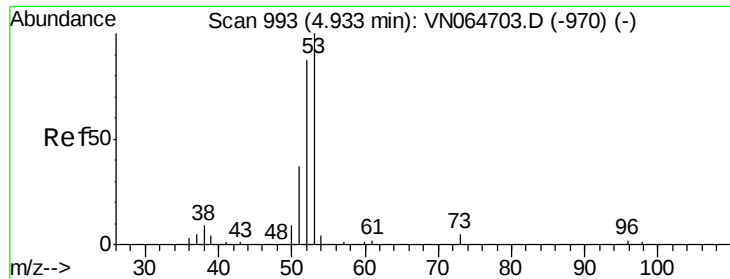
Ion Ratio Lower Upper

41 100

39 82.6 66.1 99.1

76 33.3 26.6 40.0





#15

Acrylonitrile

Concen: 248.563 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN064703.D

Acq: 18 Nov 2020 13:01

Instrument :

MSVOA_N

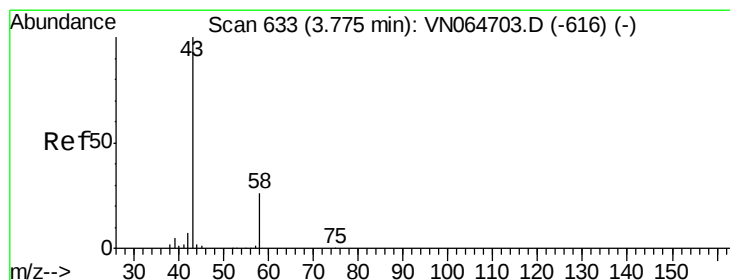
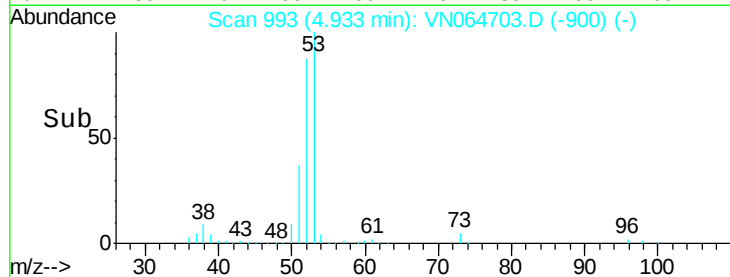
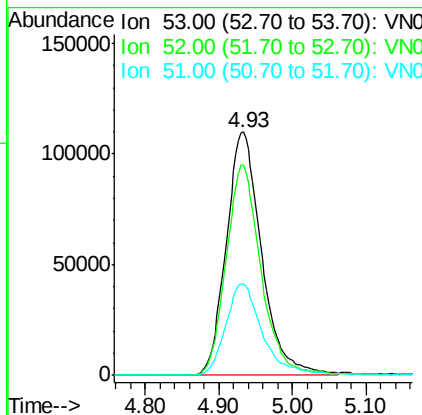
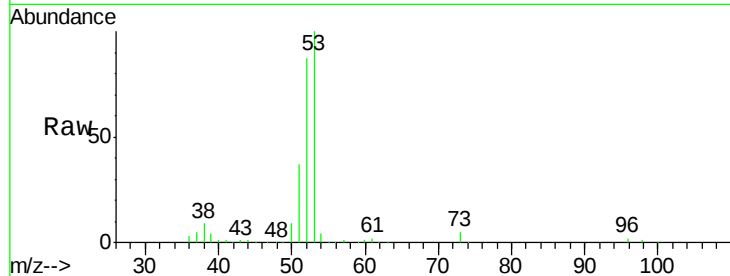
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	366439
Ion	Ratio	Lower	Upper
53	100		
52	84.0	67.2	100.8
51	38.8	31.0	46.6

Manual Integrations
APPROVED

MMDadoda
11/19/2020 2:10:03 PM



#16

Acetone

Concen: 169.193 ug/l

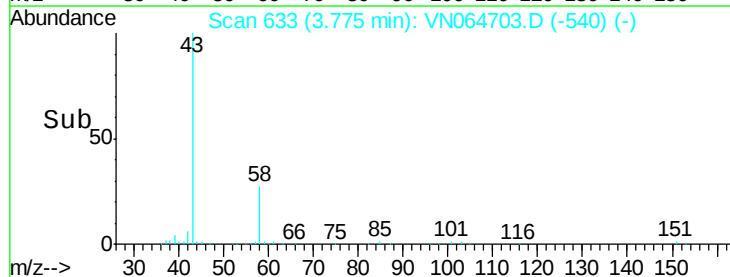
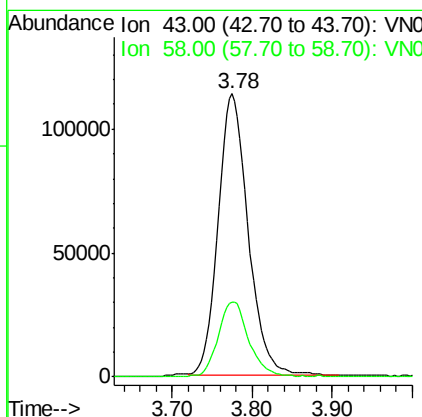
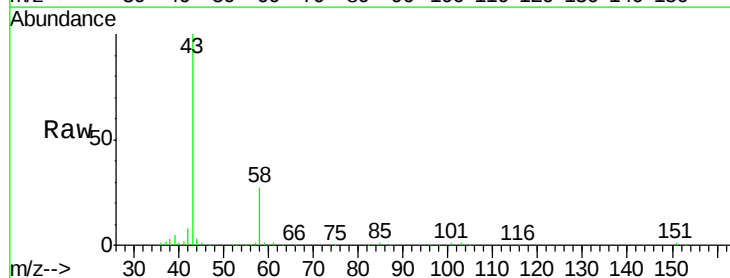
RT: 3.78 min Scan# 633

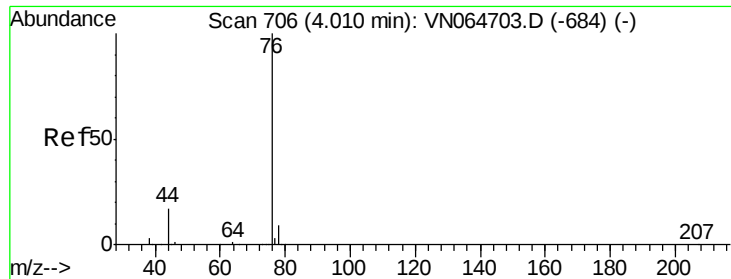
Delta R.T. 0.00 min

Lab File: VN064703.D

Acq: 18 Nov 2020 13:01

Tgt Ion:	43	Resp:	294709
Ion	Ratio	Lower	Upper
43	100		
58	26.5	21.2	31.8





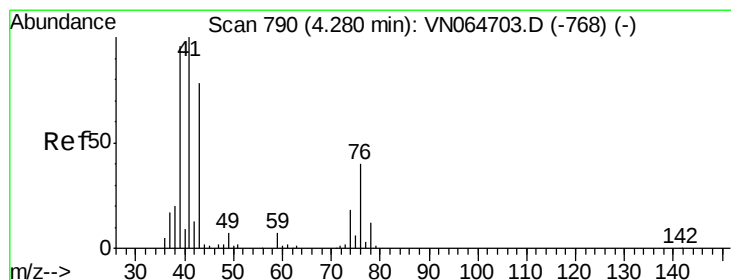
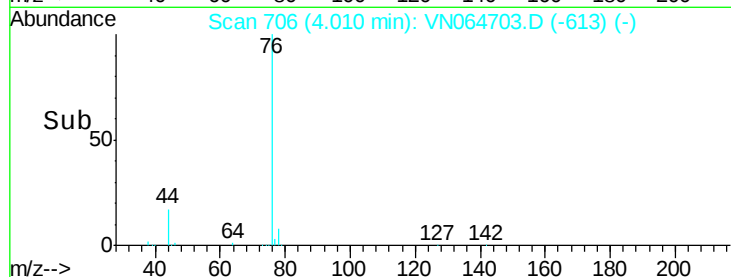
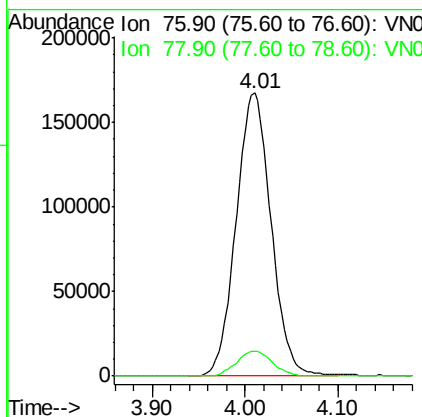
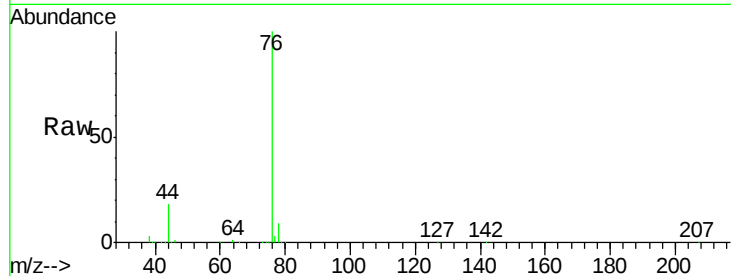
#17
Carbon Disulfide
Concen: 49.051 ug/l
RT: 4.01 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN064703.D
Acq: 18 Nov 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
76	100			
78	8.9	7.1	10.7	

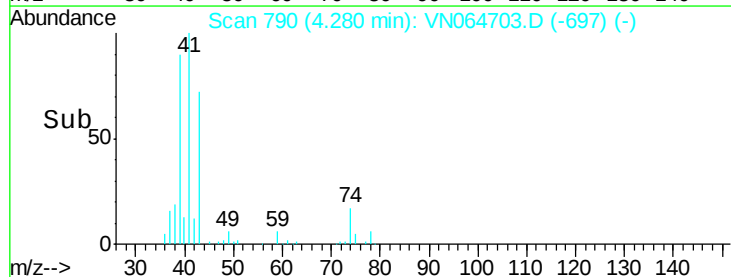
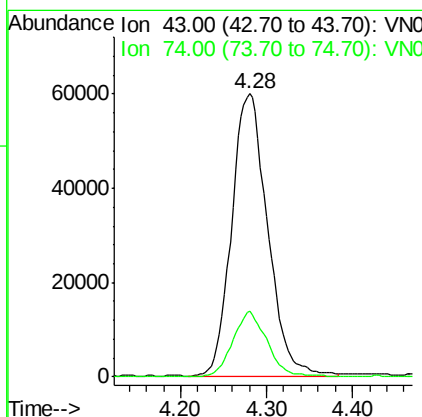
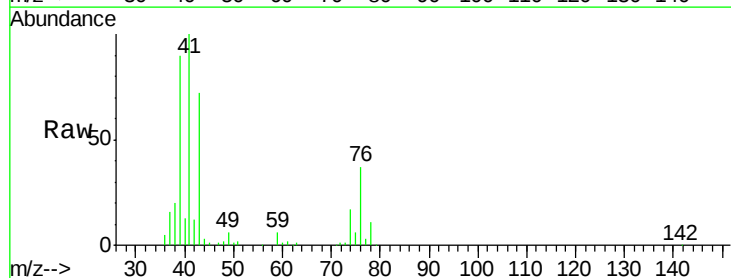
Manual Integrations
APPROVED

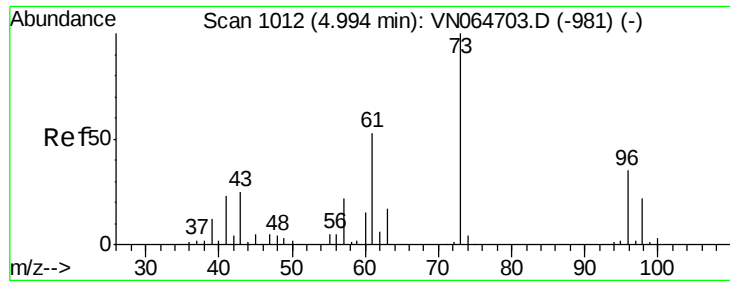
MMDadoda
11/19/2020 2:10:03 PM



#18
Methyl Acetate
Concen: 47.682 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN064703.D
Acq: 18 Nov 2020 13:01

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
74	22.0	17.6	26.4	





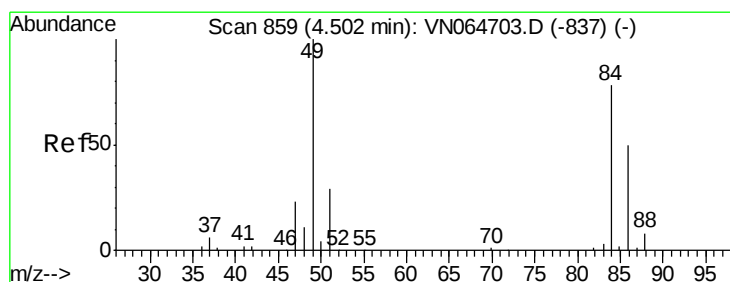
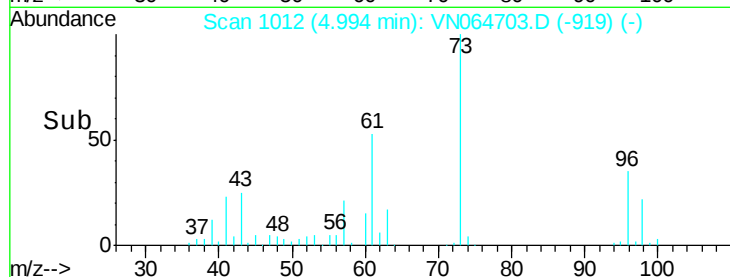
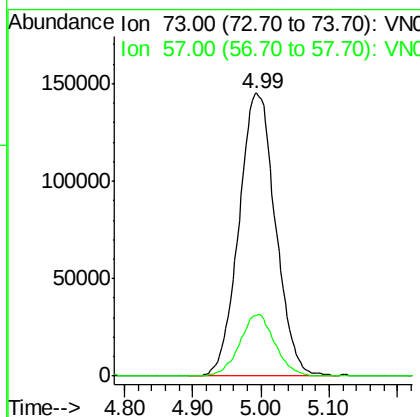
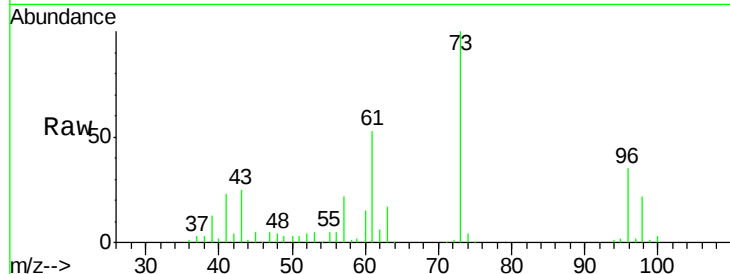
#19
Methvl tert-butvl Ether
Concen: 50.317 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN064703.D
Acq: 18 Nov 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 540812
Ion Ratio Lower Upper
73 100
57 21.6 17.3 25.9

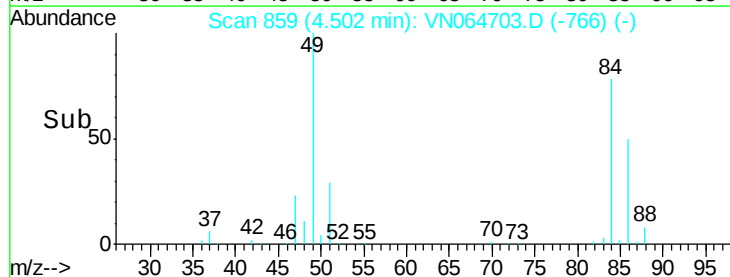
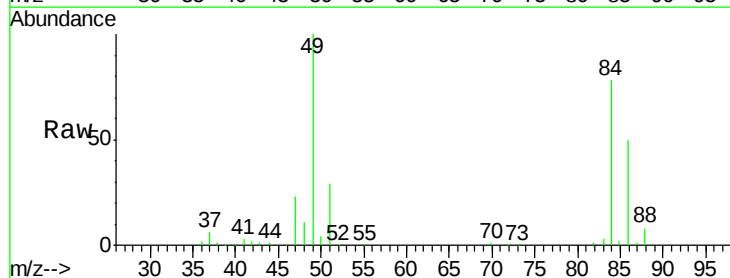
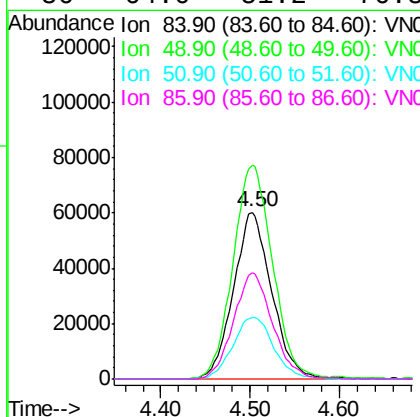
Manual Integrations
APPROVED

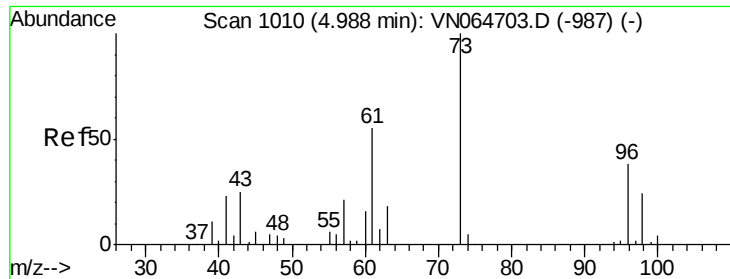
MMDadoda
11/19/2020 2:10:03 PM



#20
Methylene Chloride
Concen: 48.336 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN064703.D
Acq: 18 Nov 2020 13:01

Tgt Ion: 84 Resp: 178845
Ion Ratio Lower Upper
84 100
49 128.0 102.4 153.6
51 36.8 29.4 44.2
86 64.0 51.2 76.8





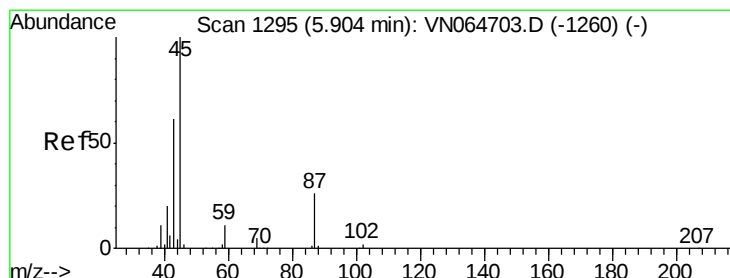
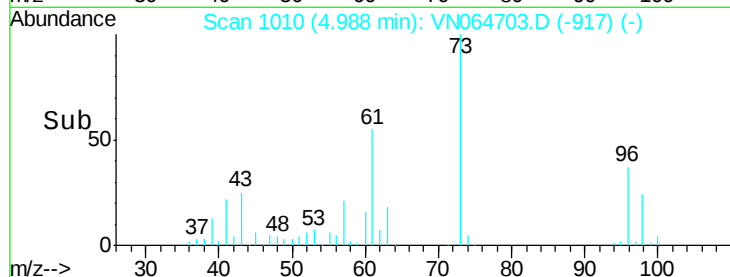
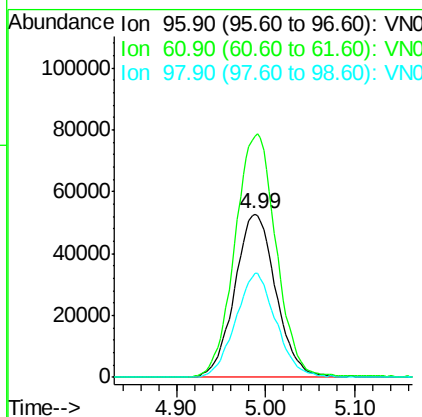
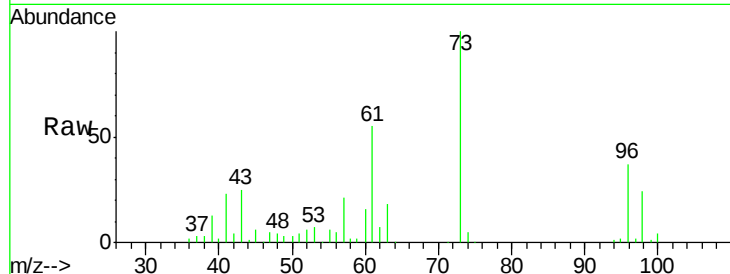
#21
trans-1,2-Dichloroethene
Concen: 49.794 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN064703.D
Acq: 18 Nov 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.4	117.9	176.9
98	63.9	51.1	76.7

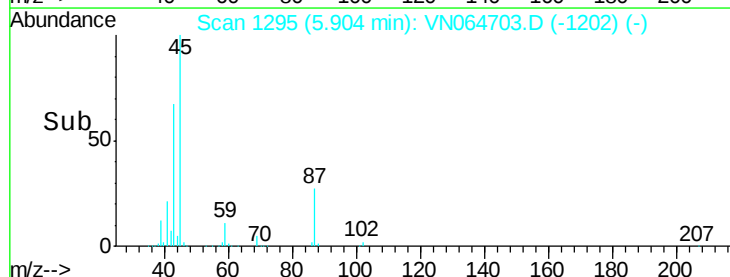
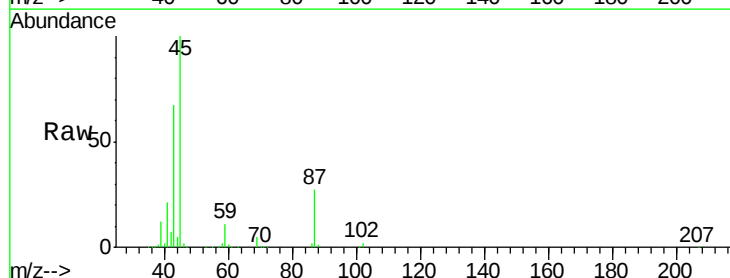
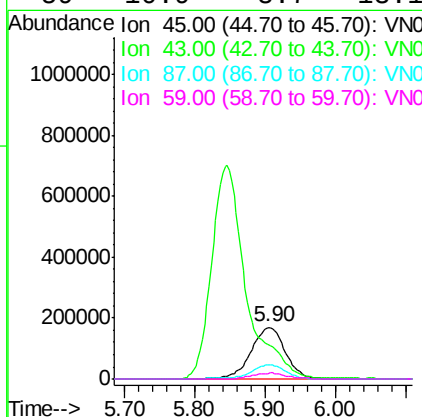
Manual Integrations
APPROVED

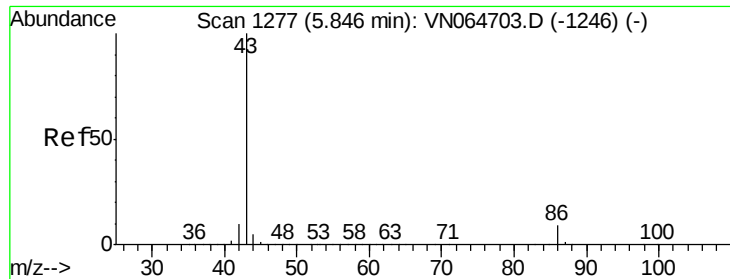
MMDadoda
11/19/2020 2:10:03 PM



#22
Diisopropyl ether
Concen: 47.336 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN064703.D
Acq: 18 Nov 2020 13:01

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.4	52.3	78.5
87	27.0	21.6	32.4
59	10.9	8.7	13.1





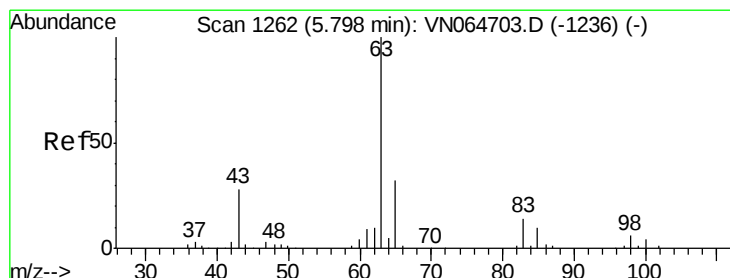
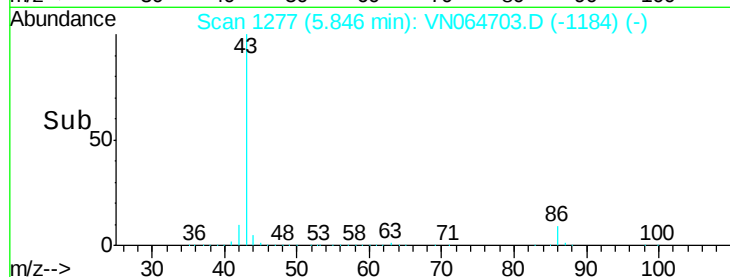
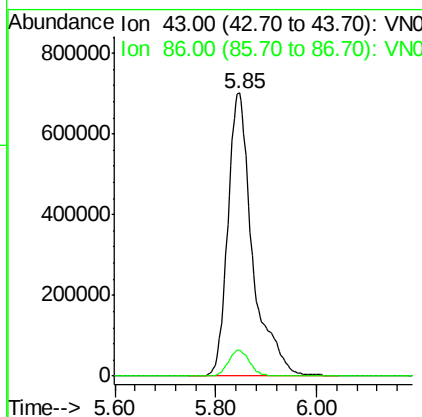
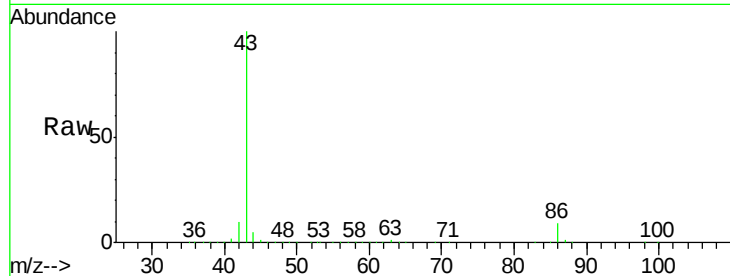
#23
 Vinyl Acetate
 Concen: 241.100 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VN064703.D
 Acq: 18 Nov 2020 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 43 Resp: 2387602
 Ion Ratio Lower Upper
 43 100
 86 9.2 7.4 11.0

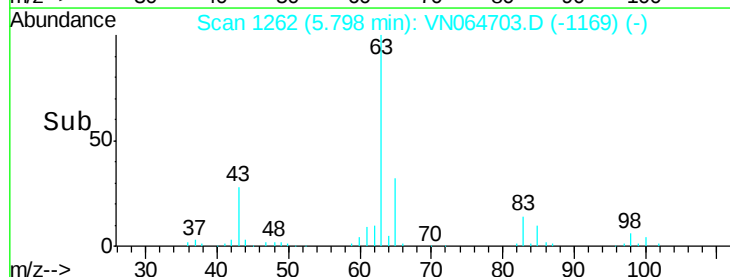
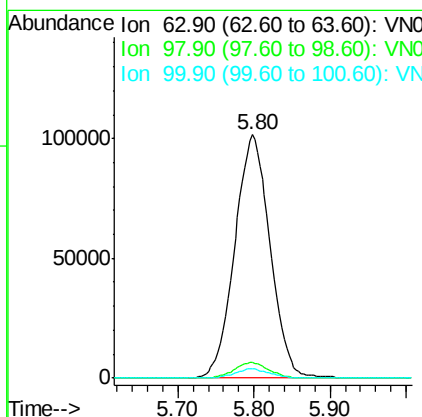
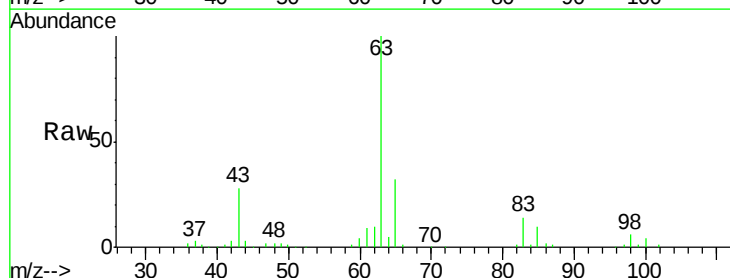
Manual Integrations
 APPROVED

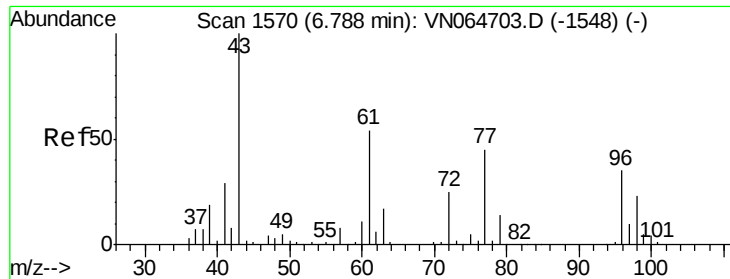
MMDadoda
 11/19/2020 2:10:03 PM



#24
 1,1-Dichloroethane
 Concen: 48.273 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN064703.D
 Acq: 18 Nov 2020 13:01

Tgt Ion: 63 Resp: 327432
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.2 9.6
 100 3.8 1.9 5.7





#25

2-Butanone

Concen: 218.834 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN064703.D

Acq: 18 Nov 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 499186

Ion Ratio Lower Upper

43 100

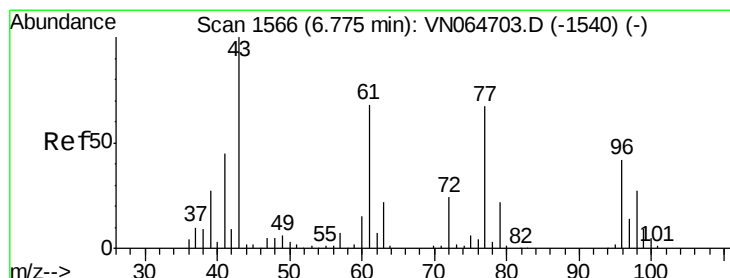
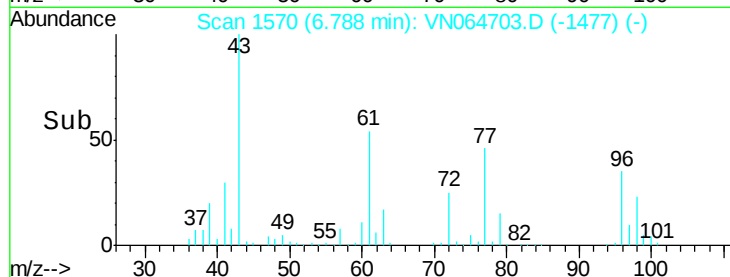
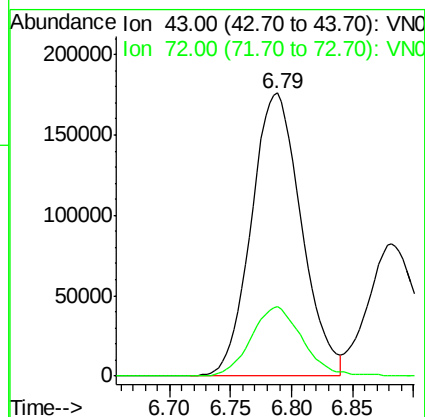
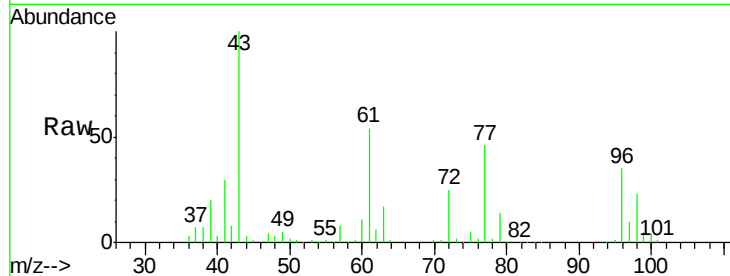
72 24.6 19.7 29.5

Manual Integrations

APPROVED

MMDadoda

11/19/2020 2:10:03 PM



#26

2,2-Dichloropropane

Concen: 50.813 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN064703.D

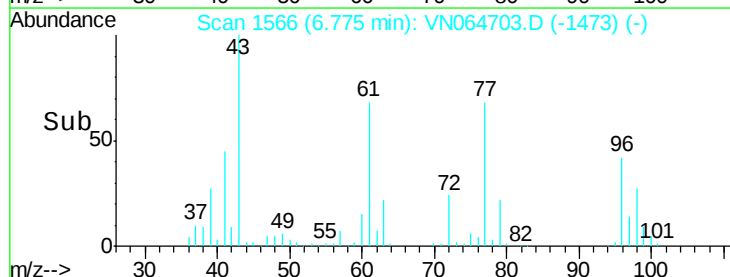
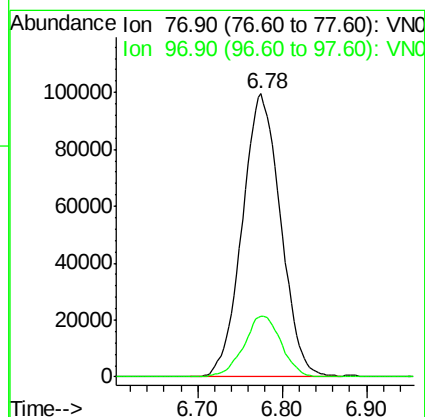
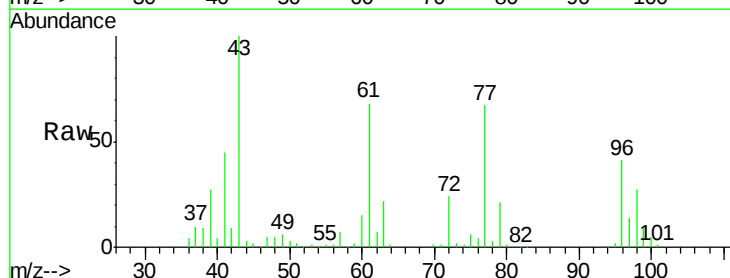
Acq: 18 Nov 2020 13:01

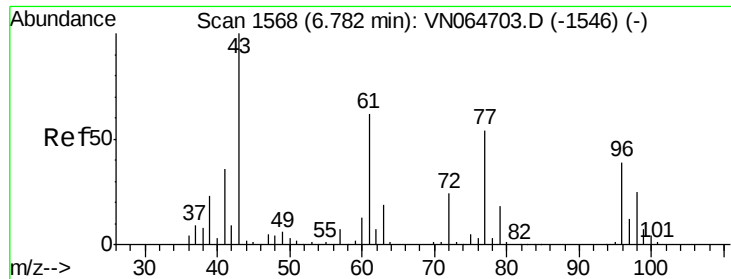
Tgt Ion: 77 Resp: 315356

Ion Ratio Lower Upper

77 100

97 21.0 10.5 31.5





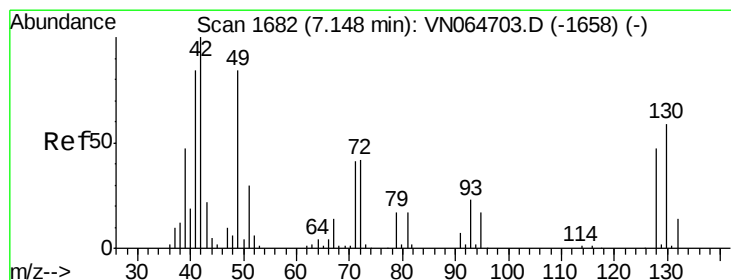
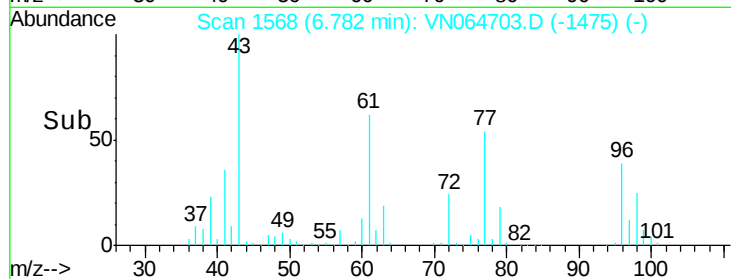
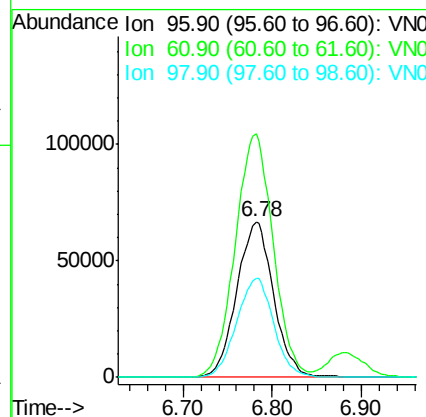
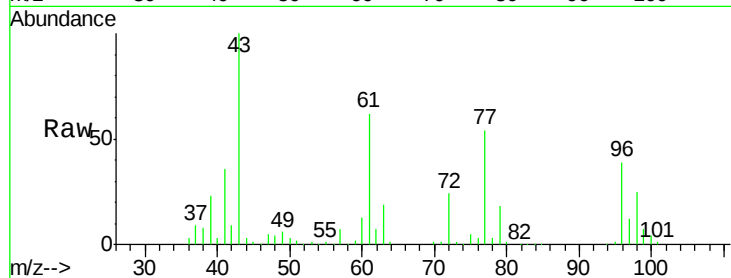
#27
 cis-1,2-Dichloroethene
 Concen: 48.829 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN064703.D
 Acq: 18 Nov 2020 13:01

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	191444		
61	161.3	0.0	322.6	
98	64.3	0.0	128.6	

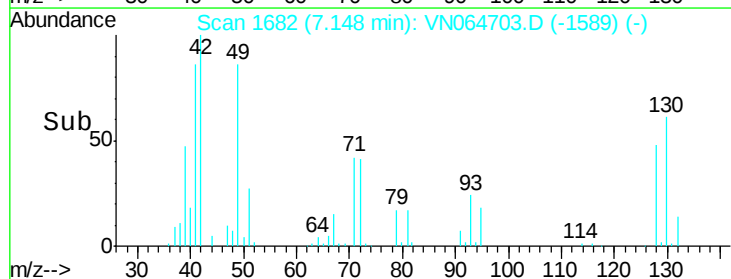
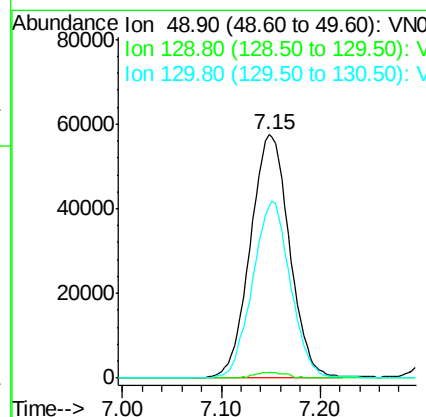
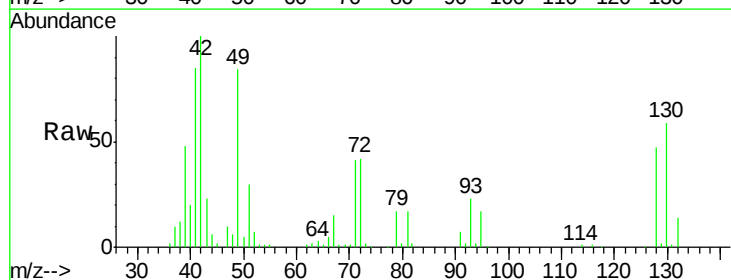
Manual Integrations
 APPROVED

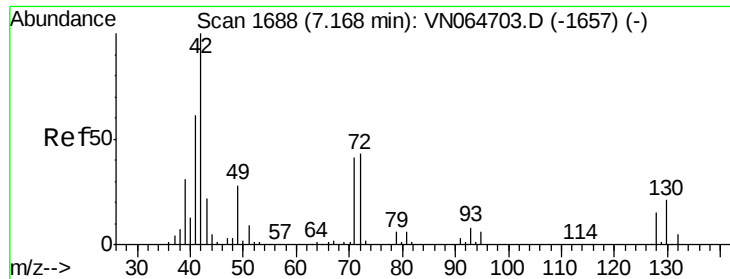
MMDadoda
 11/19/2020 2:10:03 PM



#28
 Bromochloromethane
 Concen: 46.048 ug/l
 RT: 7.15 min Scan# 1682
 Delta R.T. 0.00 min
 Lab File: VN064703.D
 Acq: 18 Nov 2020 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	157875		
129	1.9	0.0	3.8	
130	70.3	56.2	84.4	





#29

Tetrahydrofuran

Concen: 241.137 ug/l

RT: 7.17 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN064703.D

Acq: 18 Nov 2020 13:01

Instrument :

MSVOA_N

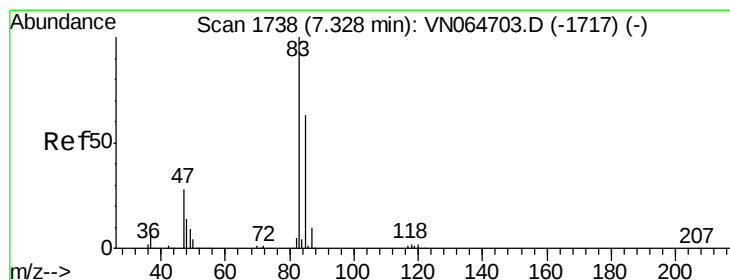
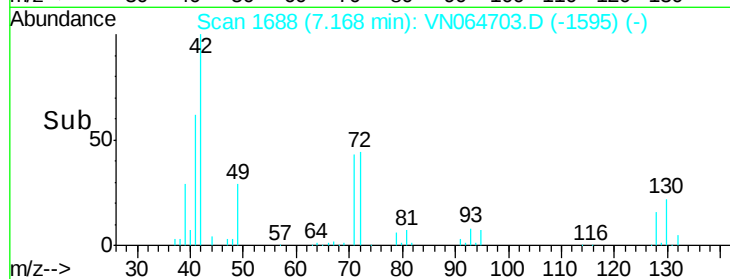
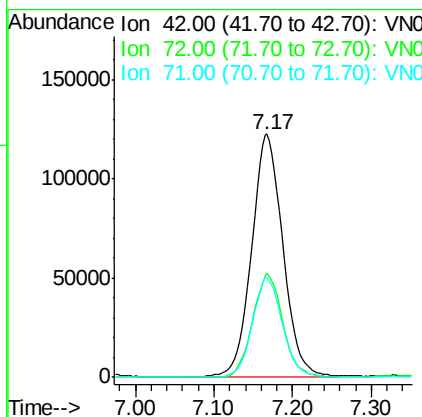
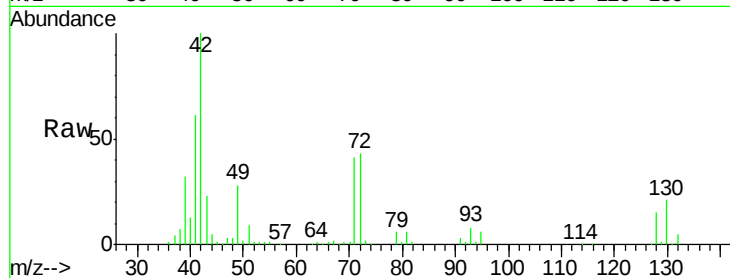
ClientSampleId :

VSTDICCC050

Tot Ion:	42	Resp:	344938
Ion Ratio		Lower	Upper
42	100		
72	41.2	33.0	49.4
71	39.7	31.8	47.6

Manual Integrations
APPROVED

MMDadoda
11/19/2020 2:10:03 PM



#30

Chloroform

Concen: 49.818 ug/l

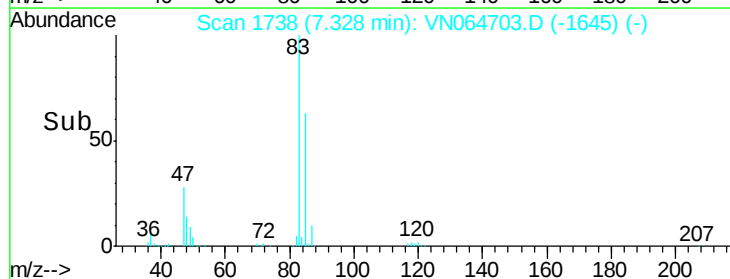
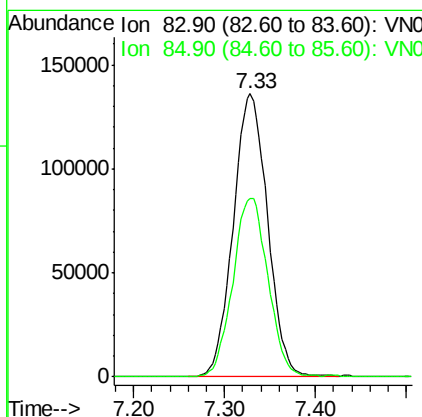
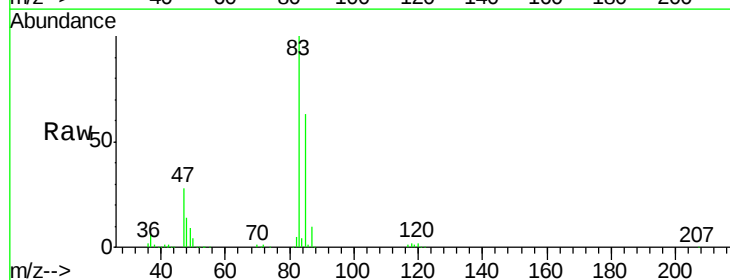
RT: 7.33 min Scan# 1738

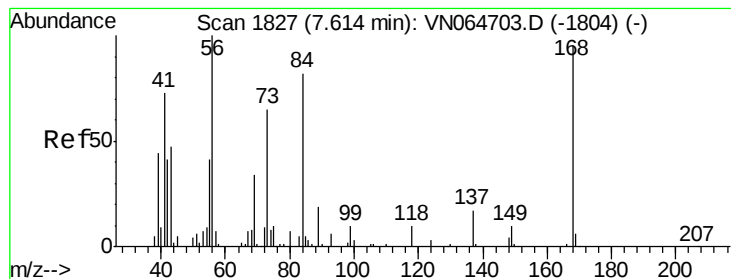
Delta R.T. 0.00 min

Lab File: VN064703.D

Acq: 18 Nov 2020 13:01

Tgt Ion:	83	Resp:	357069
Ion Ratio		Lower	Upper
83	100		
85	63.2	50.6	75.8





#31

Cyclohexane

Concen: 44.586 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN064703.D

Acq: 18 Nov 2020 13:01

Instrument :

MSVOA_N

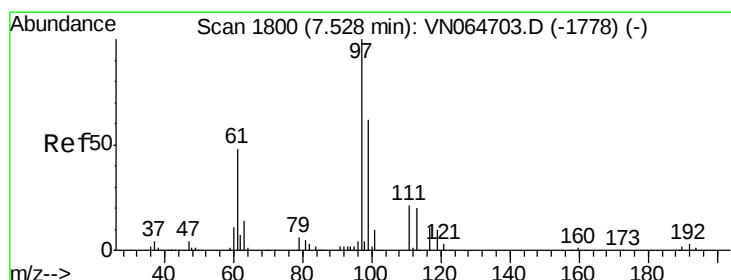
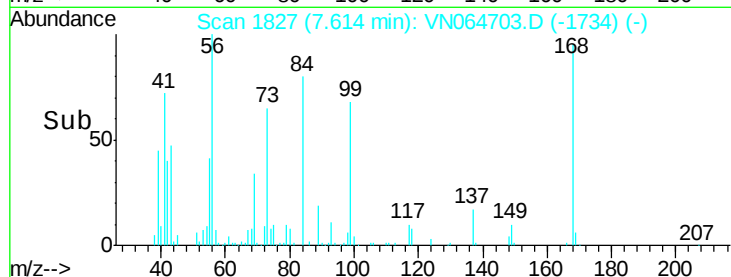
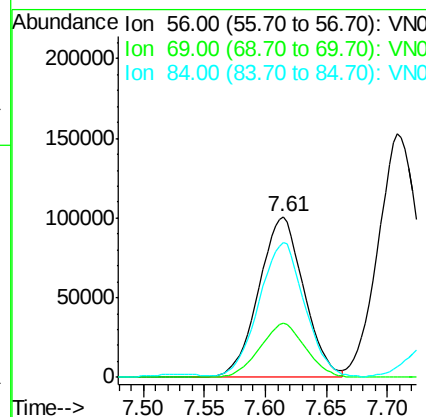
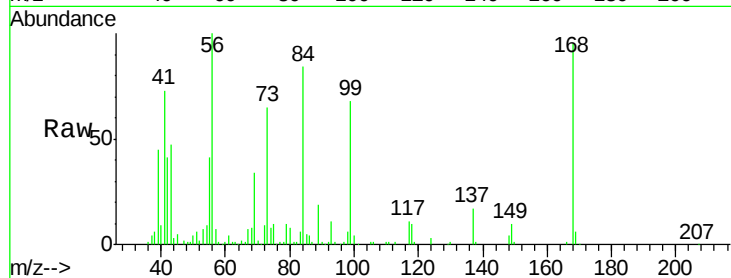
ClientSampleId :

VSTDICCC050

Tot Ion:	56	Resp:	258692
Ion	Ratio	Lower	Upper
56	100		
69	34.0	27.2	40.8
84	82.4	65.9	98.9

Manual Integrations
APPROVED

MMDadoda
11/19/2020 2:10:03 PM



#32

1,1,1-Trichloroethane

Concen: 50.405 ug/l

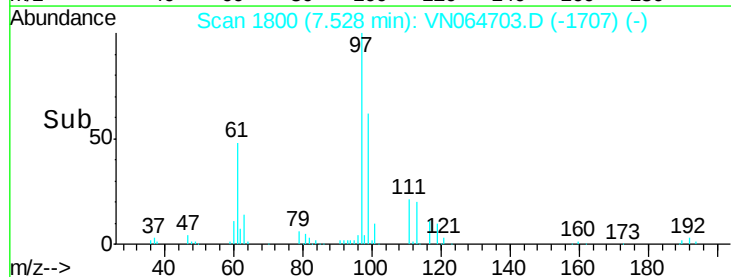
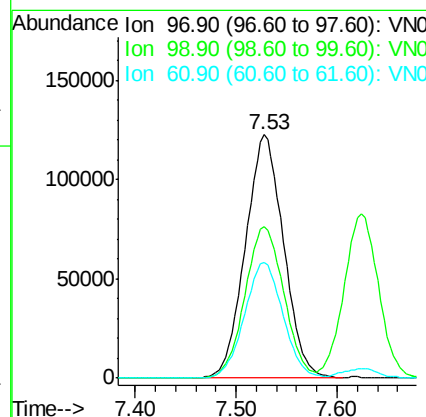
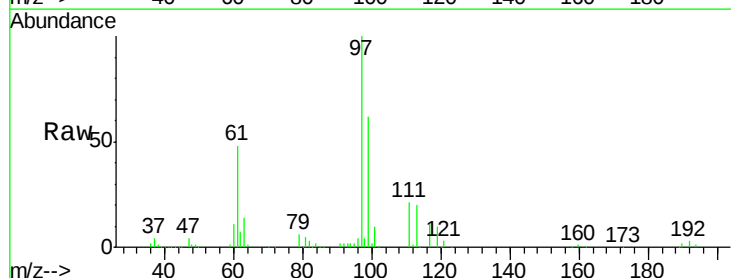
RT: 7.53 min Scan# 1800

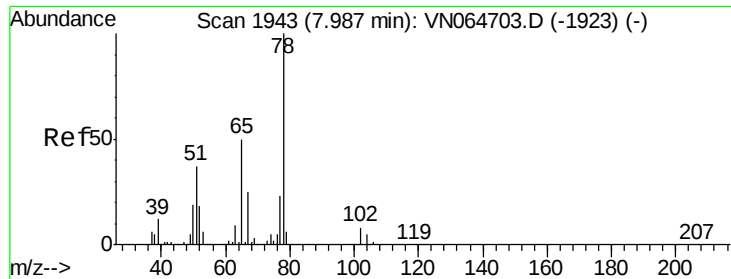
Delta R.T. 0.00 min

Lab File: VN064703.D

Acq: 18 Nov 2020 13:01

Tgt Ion:	97	Resp:	321886
Ion	Ratio	Lower	Upper
97	100		
99	63.3	50.6	76.0
61	47.9	38.3	57.5





#33

1,2-Dichloroethane-d4

Concen: 48.410 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064703.D

Acq: 18 Nov 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 65 Resp: 239580

Ion Ratio Lower Upper

65 100

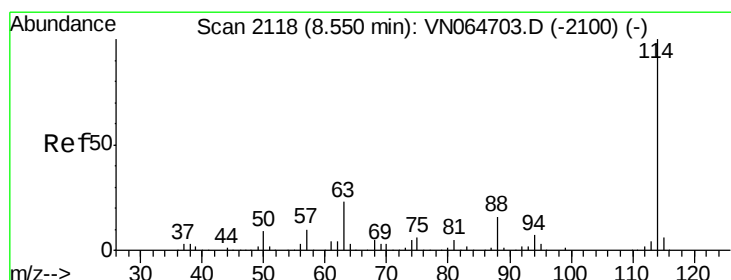
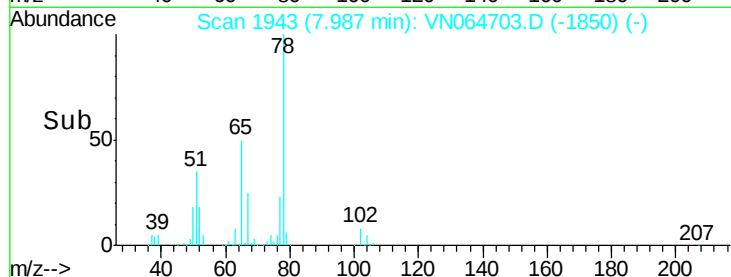
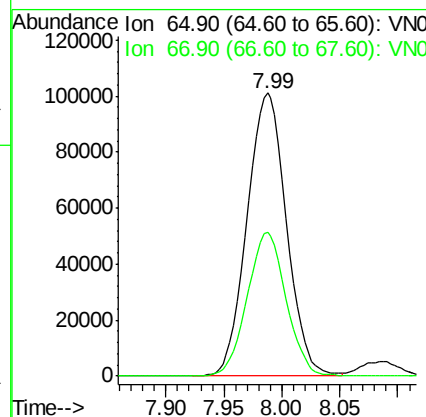
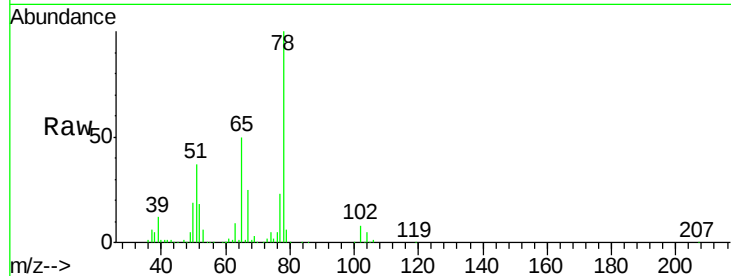
67 49.9 0.0 99.8

Manual Integrations

APPROVED

MMDadoda

11/19/2020 2:10:03 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064703.D

Acq: 18 Nov 2020 13:01

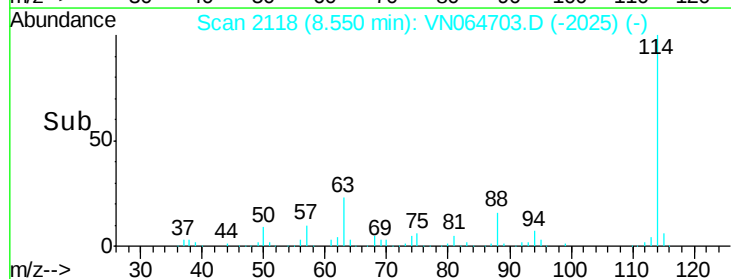
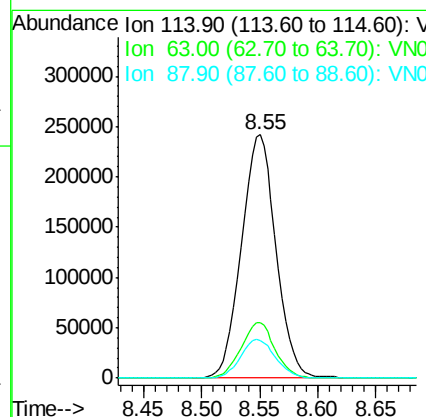
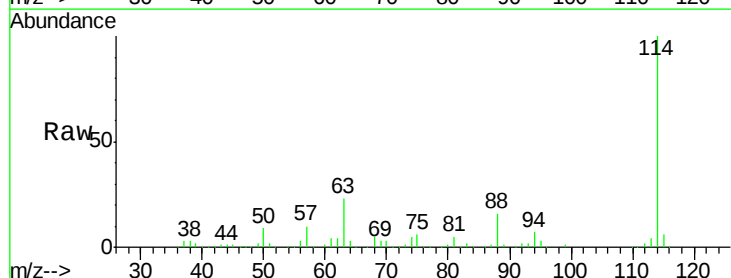
Tgt Ion: 114 Resp: 499078

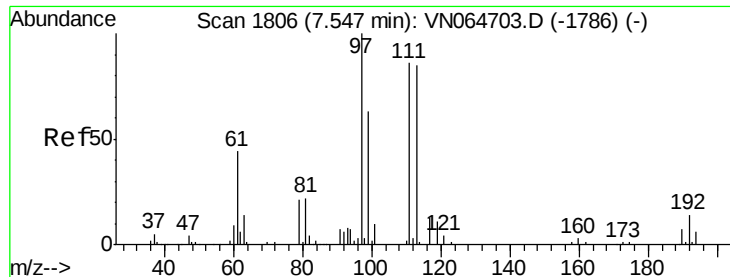
Ion Ratio Lower Upper

114 100

63 23.0 0.0 46.0

88 15.6 0.0 31.2





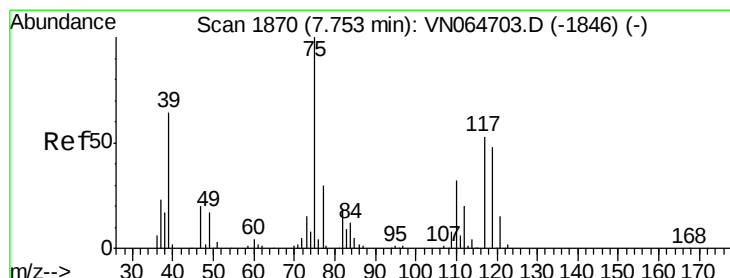
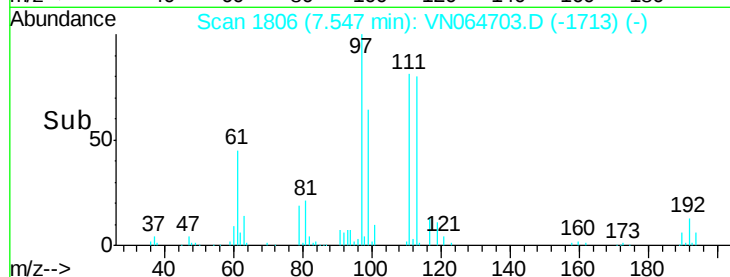
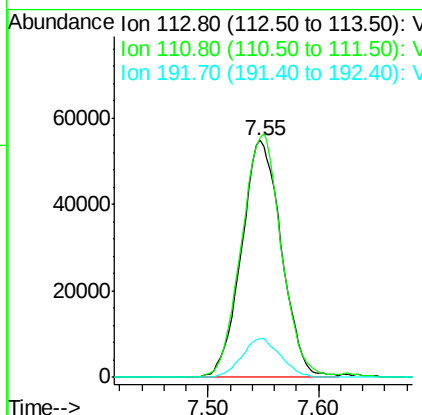
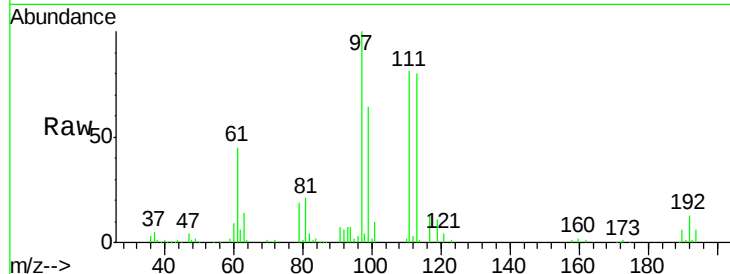
#35
 Dibromofluoromethane
 Concen: 41.722 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. 0.00 min
 Lab File: VN064703.D
 Acq: 18 Nov 2020 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	137484		
111	102.8	82.2	123.4	
192	15.9	12.7	19.1	

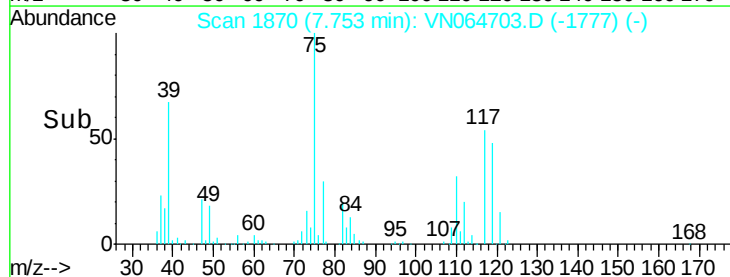
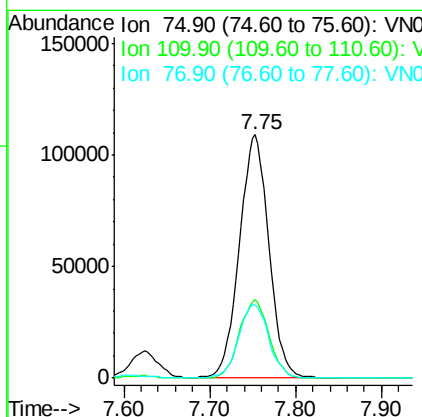
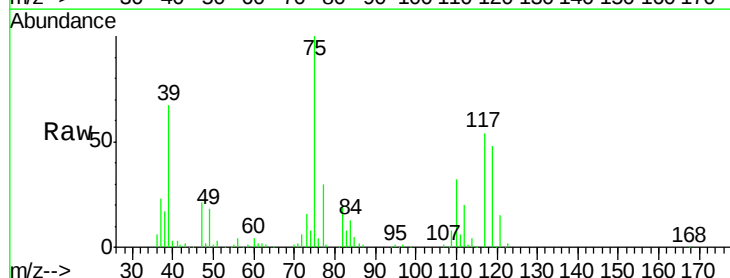
Manual Integrations
 APPROVED

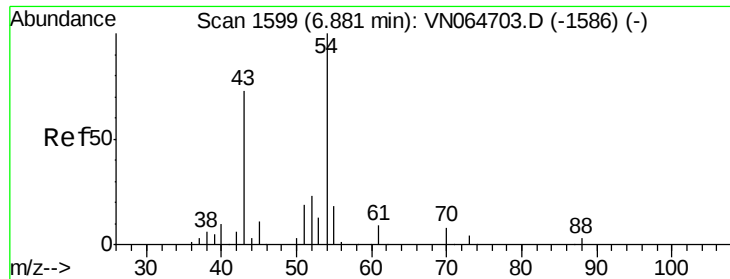
MMDadoda
 11/19/2020 2:10:03 PM



#36
 1,1-Dichloropropene
 Concen: 49.986 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN064703.D
 Acq: 18 Nov 2020 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	258921		
110	32.4	16.2	48.6	
77	30.5	24.4	36.6	





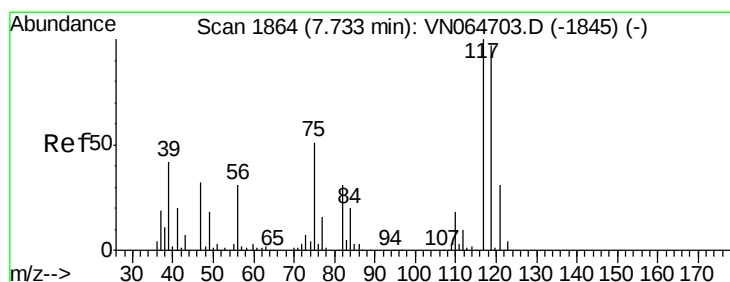
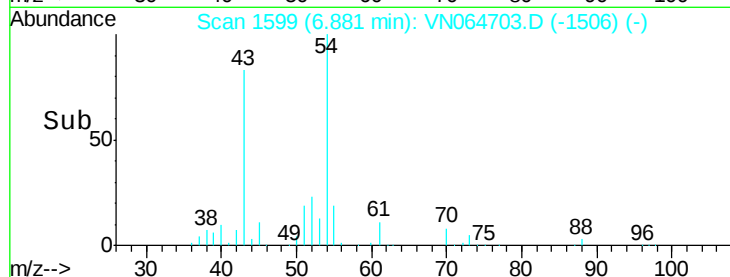
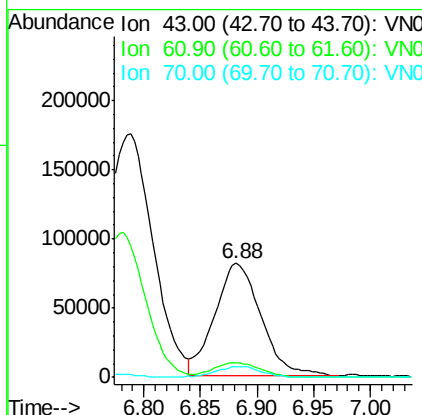
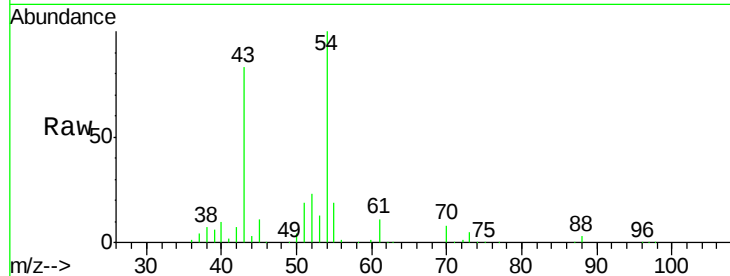
#37
Ethyl Acetate
Concen: 50.708 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN064703.D
Acq: 18 Nov 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.4	15.6
70	9.5	7.6	11.4

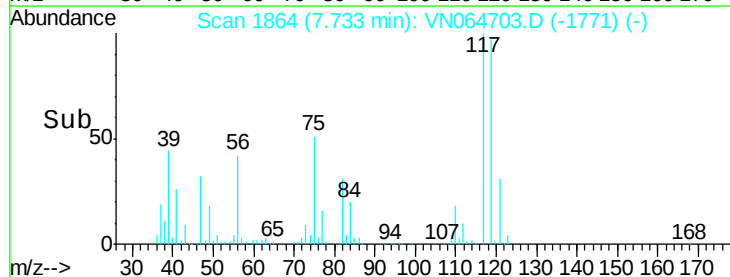
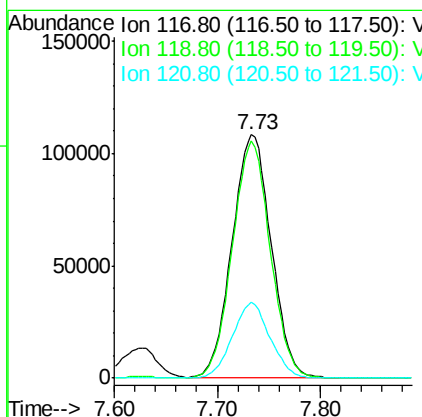
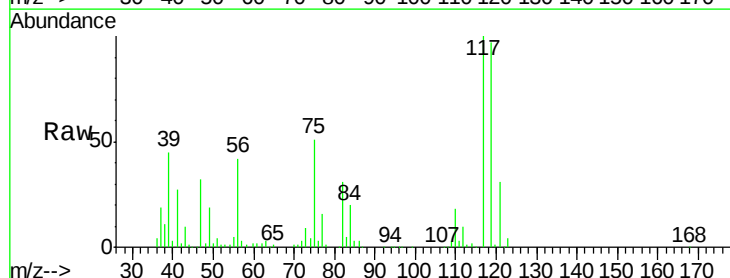
Manual Integrations
APPROVED

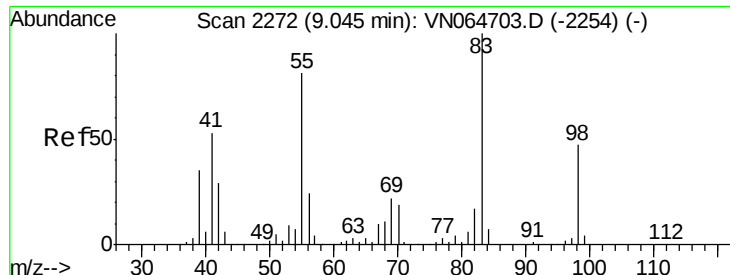
MMDadoda
11/19/2020 2:10:03 PM



#38
Carbon Tetrachloride
Concen: 51.076 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064703.D
Acq: 18 Nov 2020 13:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	77.8	116.6
121	31.1	24.9	37.3





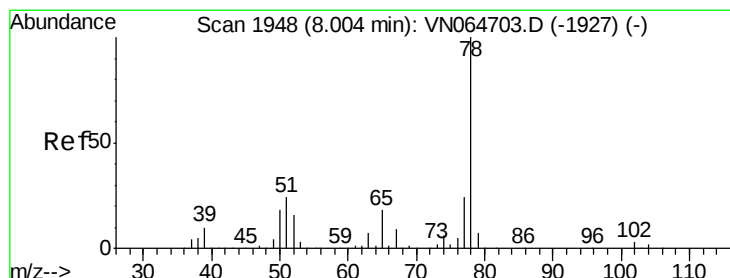
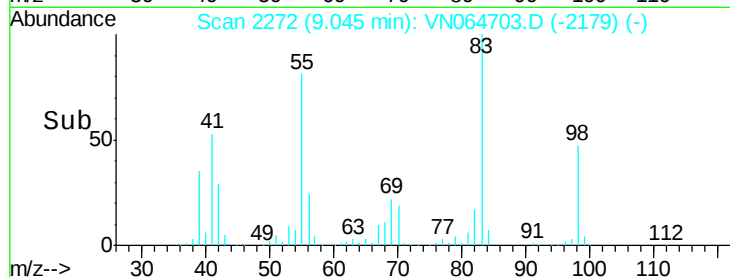
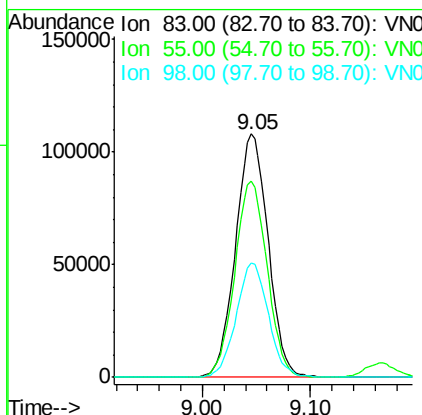
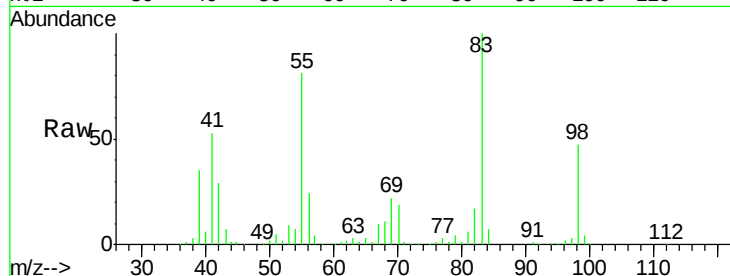
#39
Methvlcvclohexane
Concen: 49.298 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064703.D
Acq: 18 Nov 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.8	64.6	97.0
98	47.1	37.7	56.5

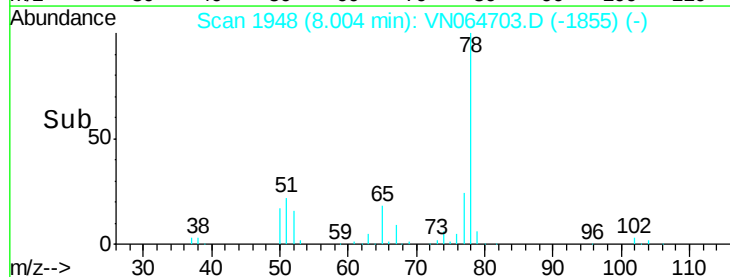
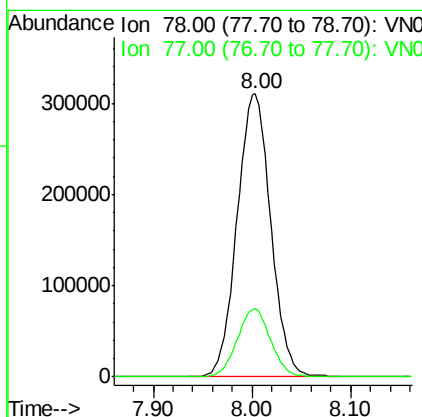
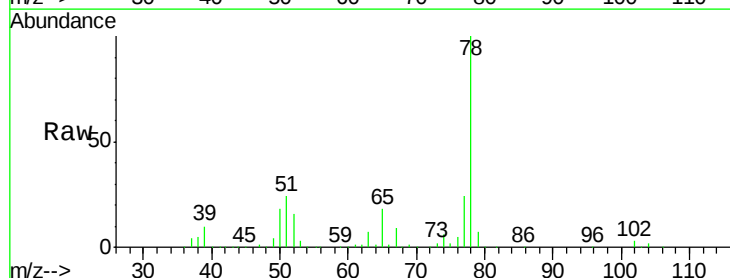
Manual Integrations
APPROVED

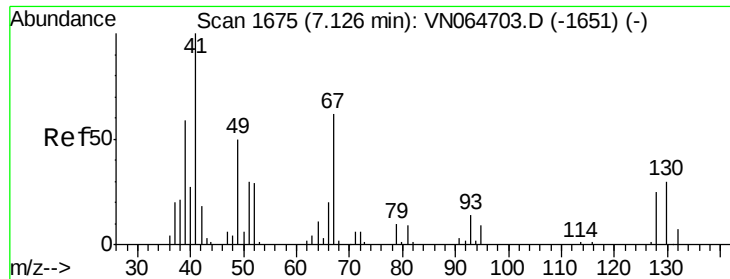
MMDadoda
11/19/2020 2:10:03 PM



#40
Benzene
Concen: 48.232 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064703.D
Acq: 18 Nov 2020 13:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8





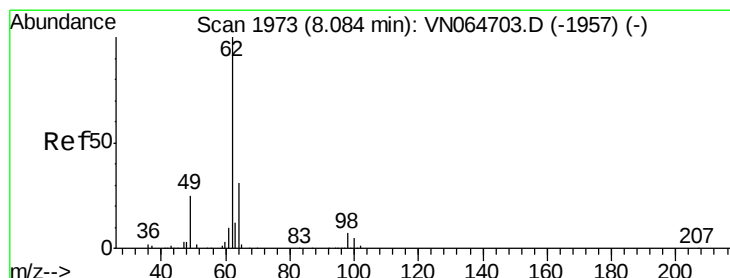
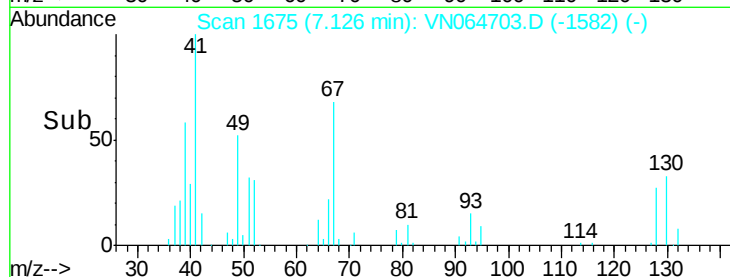
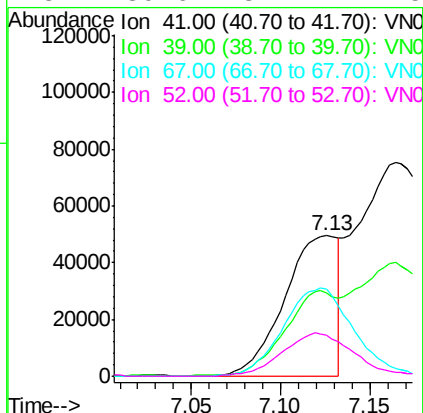
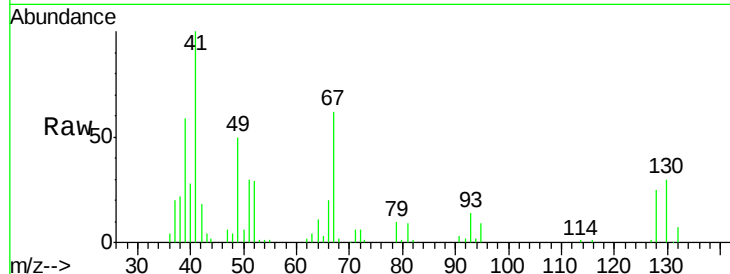
#41
Methacrylonitrile
Concen: 44.615 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN064703.D
Acq: 18 Nov 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	57.5	46.0	69.0		
67	83.7	67.0	100.4		
52	39.6	31.7	47.5		

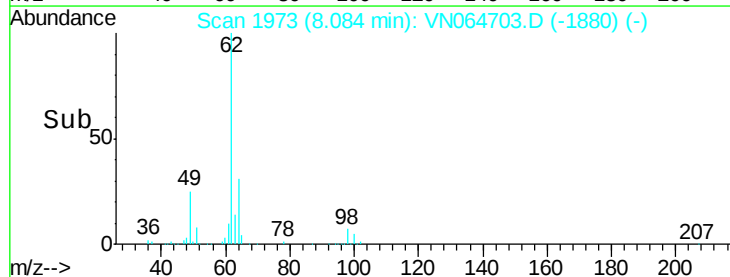
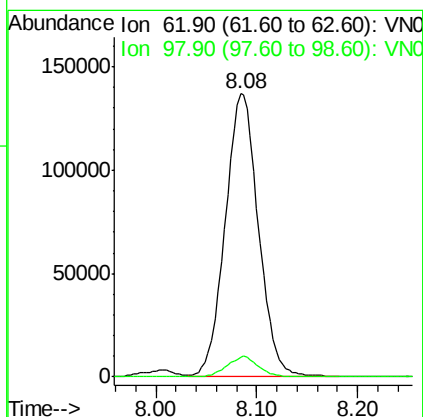
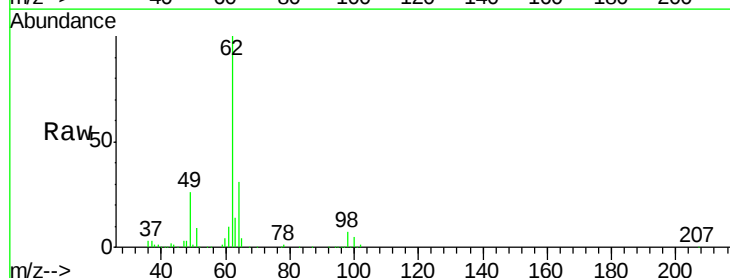
Manual Integrations
APPROVED

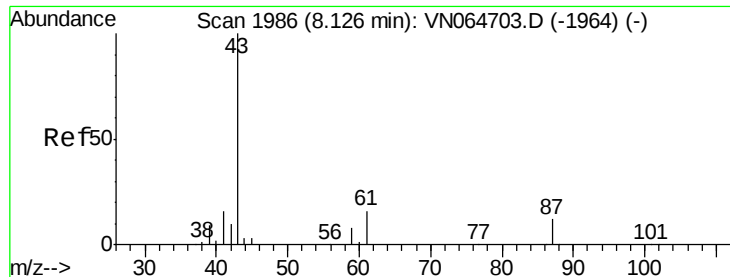
MMDadoda
11/19/2020 2:10:03 PM



#42
1,2-Dichloroethane
Concen: 50.643 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN064703.D
Acq: 18 Nov 2020 13:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	6.8	0.0	13.6		





#43

Isopropyl Acetate

Concen: 49.850 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064703.D

Acq: 18 Nov 2020 13:01

Instrument :

MSVOA_N

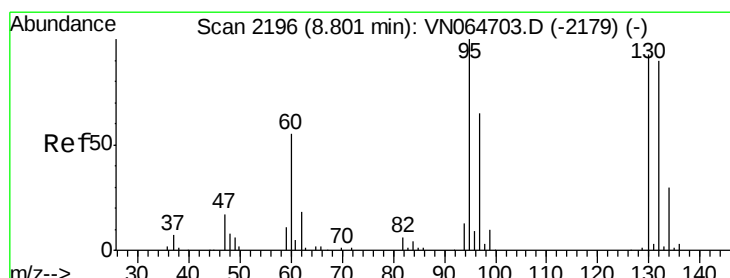
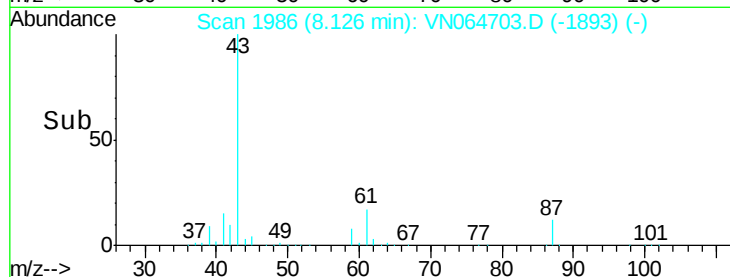
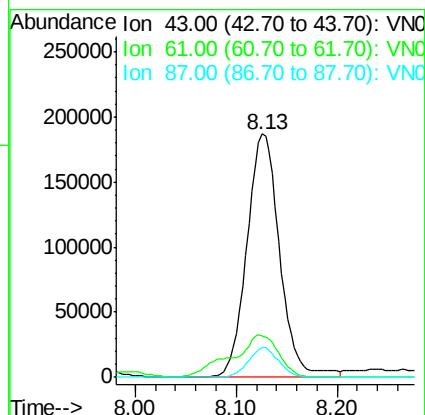
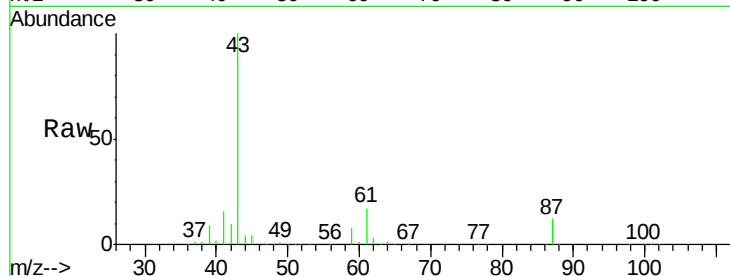
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	417085
Ion	Ratio	Lower	Upper
43	100		
61	17.6	14.1	21.1
87	11.4	9.1	13.7

Manual Integrations
APPROVED

MMDadoda
11/19/2020 2:10:03 PM



#44

Trichloroethene

Concen: 51.120 ug/l

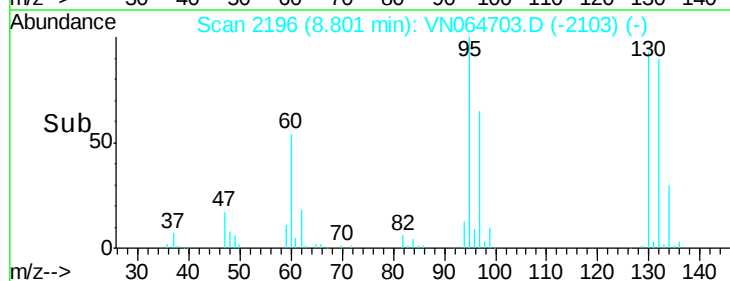
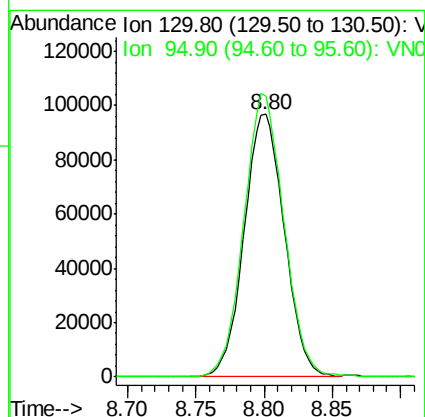
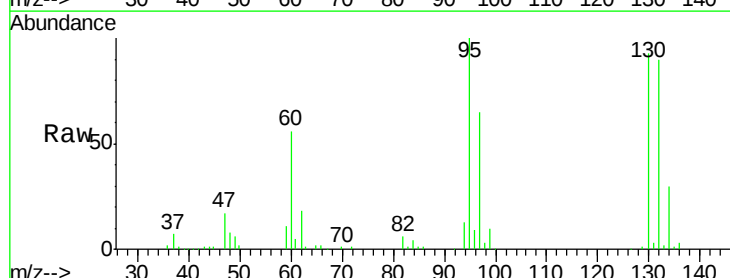
RT: 8.80 min Scan# 2196

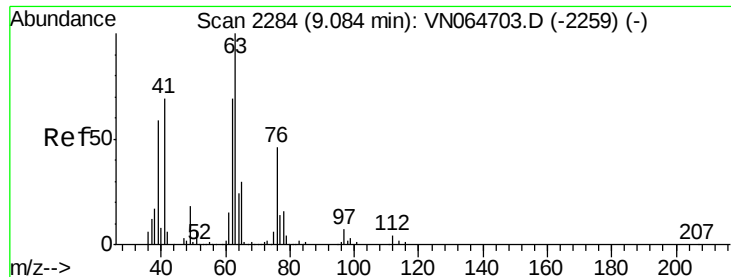
Delta R.T. 0.00 min

Lab File: VN064703.D

Acq: 18 Nov 2020 13:01

Tgt Ion:	130	Resp:	198251
Ion	Ratio	Lower	Upper
130	100		
95	107.1	0.0	214.2





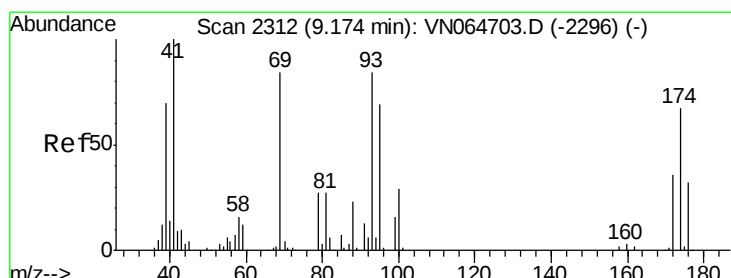
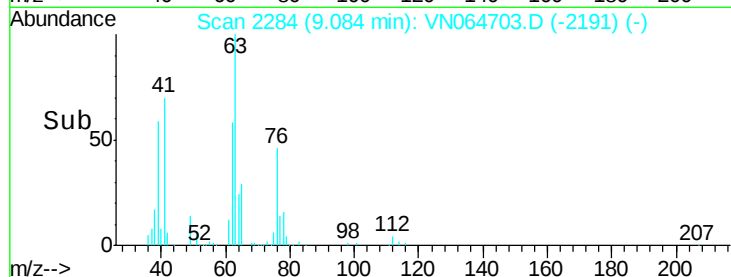
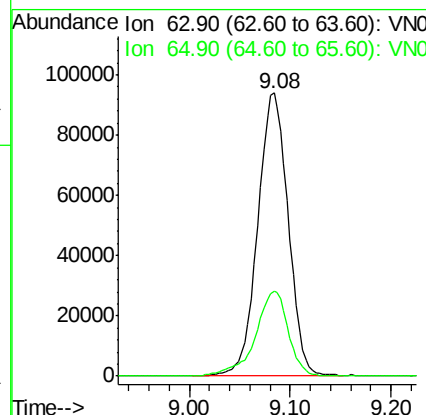
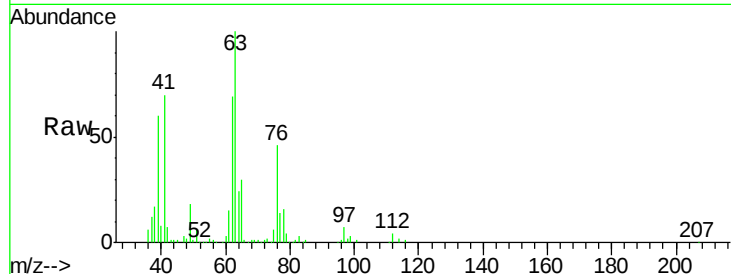
#45
 1,2-Dichloropropane
 Concen: 48.664 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064703.D
 Acq: 18 Nov 2020 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 196783
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.0 36.0

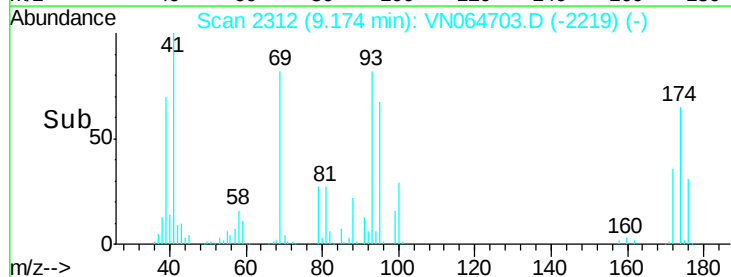
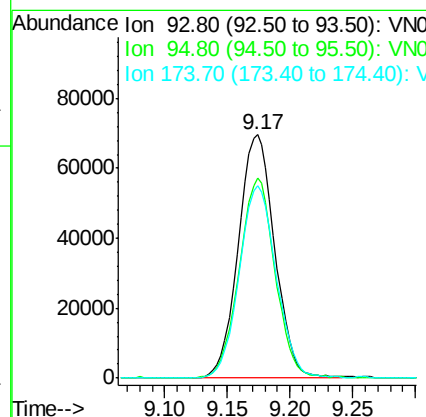
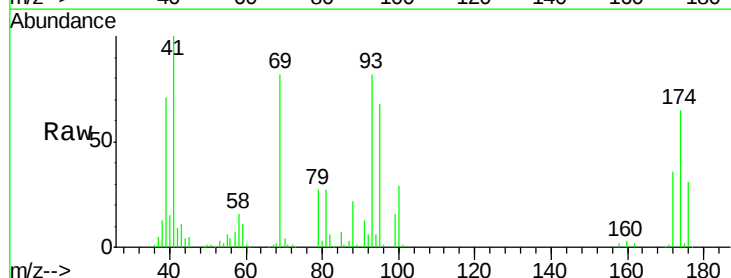
Manual Integrations
 APPROVED

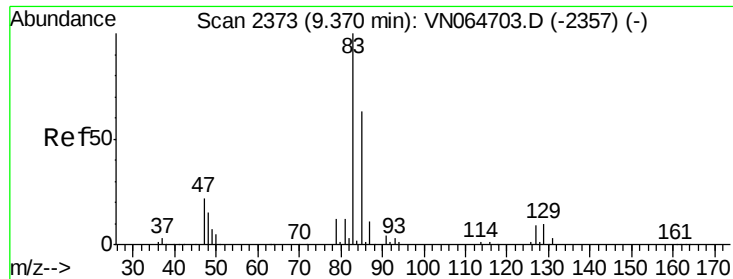
MMDadoda
 11/19/2020 2:10:03 PM



#46
 Dibromomethane
 Concen: 51.989 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064703.D
 Acq: 18 Nov 2020 13:01

Tgt Ion: 93 Resp: 140612
 Ion Ratio Lower Upper
 93 100
 95 80.8 64.6 97.0
 174 80.4 64.3 96.5





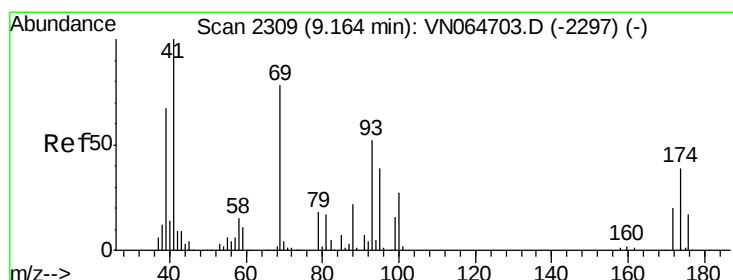
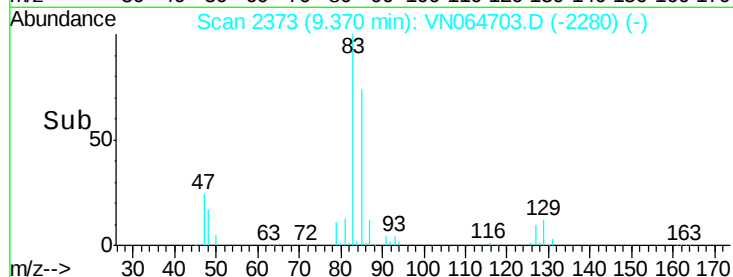
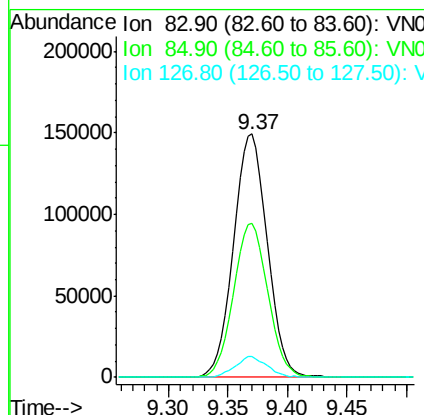
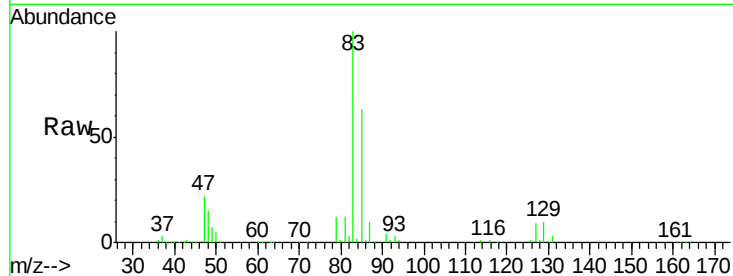
#47
Bromodichloromethane
Concen: 50.866 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN064703.D
Acq: 18 Nov 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	294196		
85	63.5	50.8	76.2	
127	8.7	7.0	10.4	

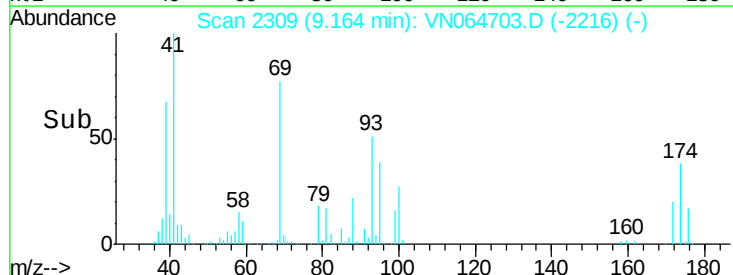
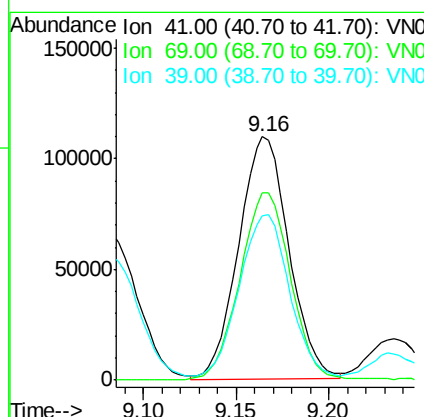
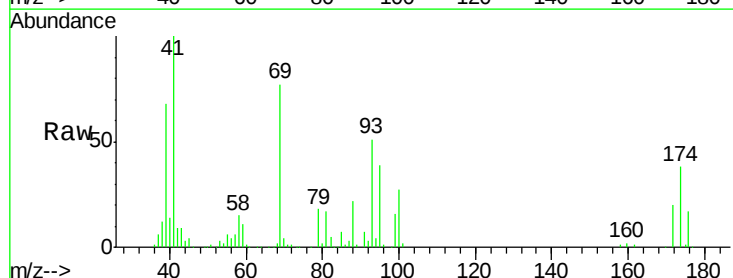
Manual Integrations
APPROVED

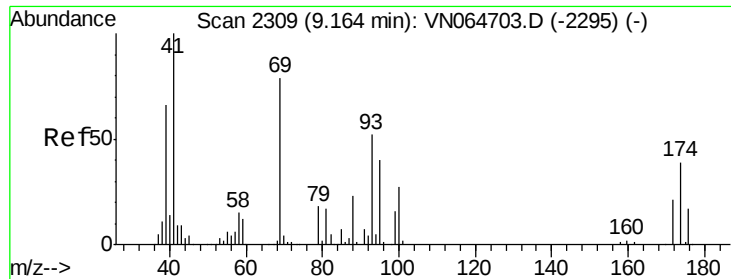
MMDadoda
11/19/2020 2:10:03 PM



#48
Methyl methacrylate
Concen: 49.250 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN064703.D
Acq: 18 Nov 2020 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	207441		
69	77.9	62.3	93.5	
39	68.9	55.1	82.7	





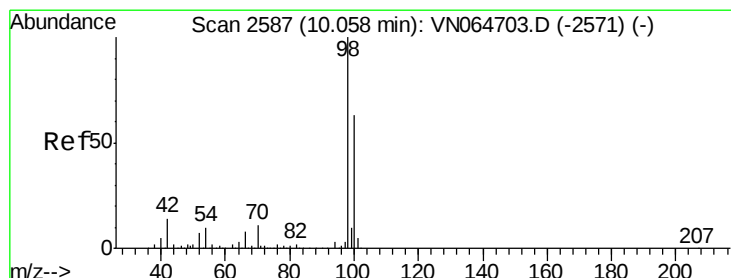
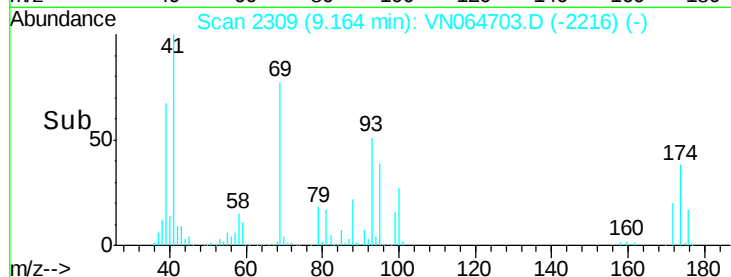
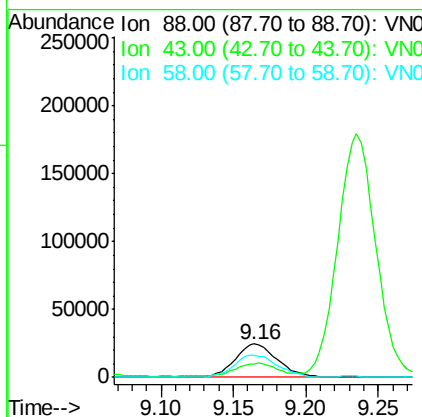
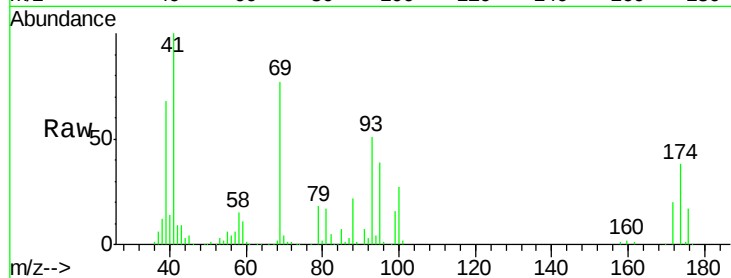
#49
1,4-Dioxane
Concen: 904.520 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN064703.D
Acq: 18 Nov 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.1	31.3	46.9
58	69.6	55.7	83.5

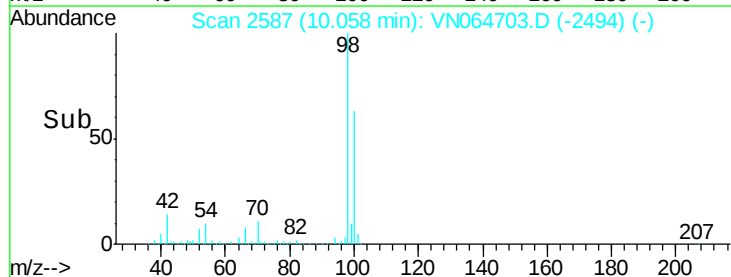
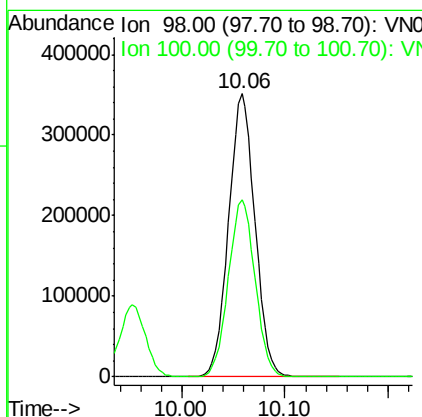
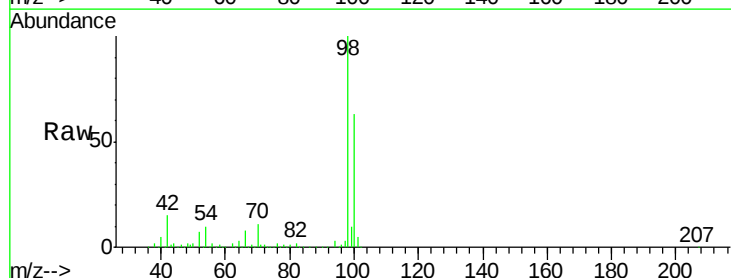
Manual Integrations
APPROVED

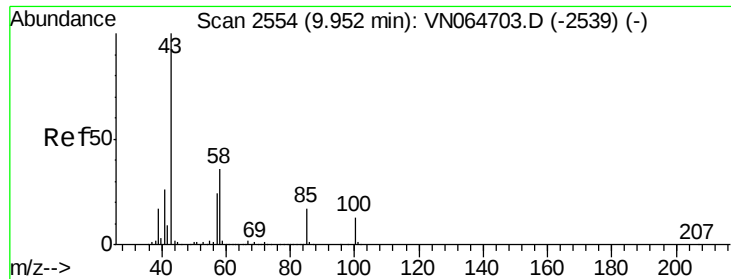
MMDadoda
11/19/2020 2:10:03 PM



#50
Toluene-d8
Concen: 47.924 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064703.D
Acq: 18 Nov 2020 13:01

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.0	50.4	75.6





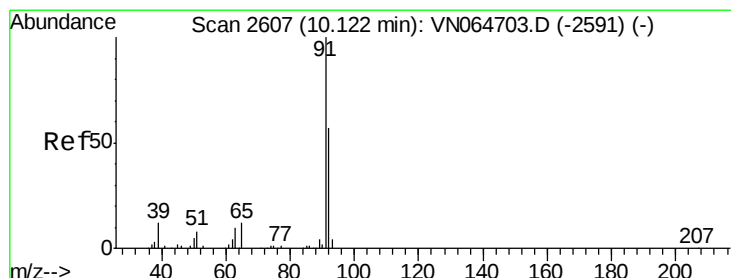
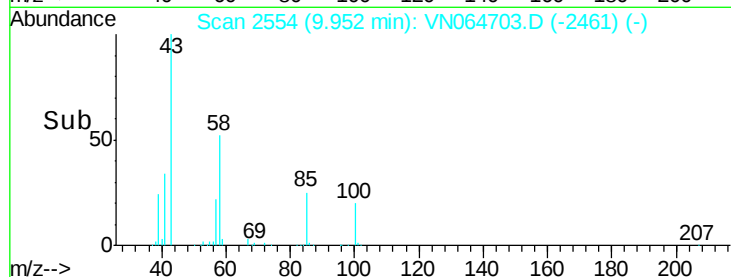
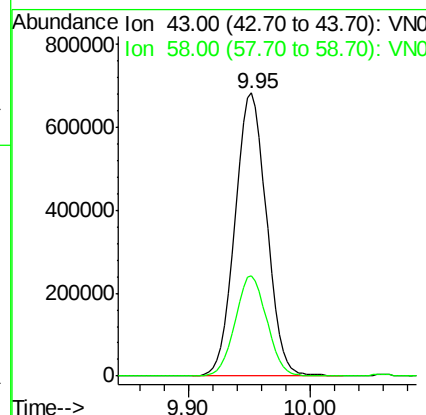
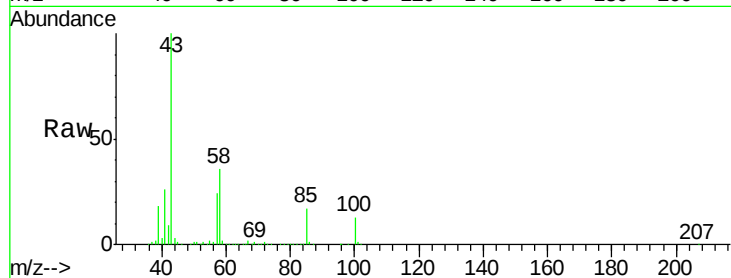
#51
4-Methyl-2-Pentanone
Concen: 252.338 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064703.D
Acq: 18 Nov 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 1224348
Ion Ratio Lower Upper
43 100
58 35.6 28.5 42.7

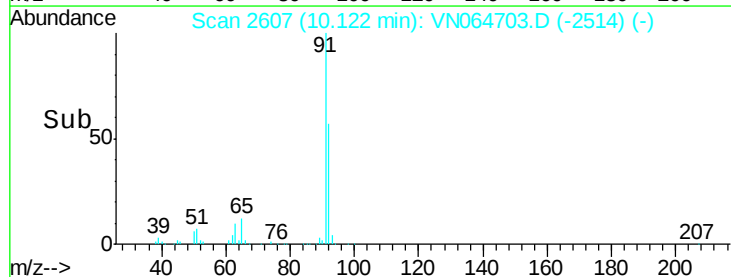
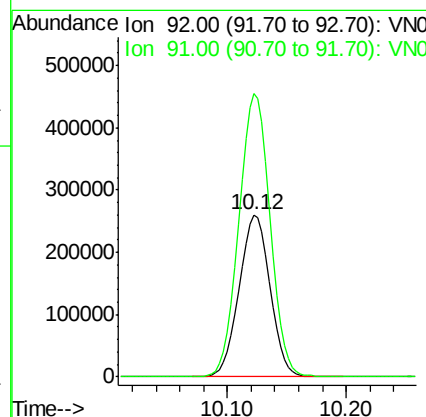
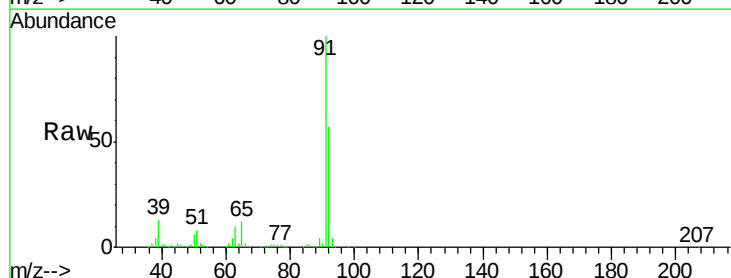
Manual Integrations
APPROVED

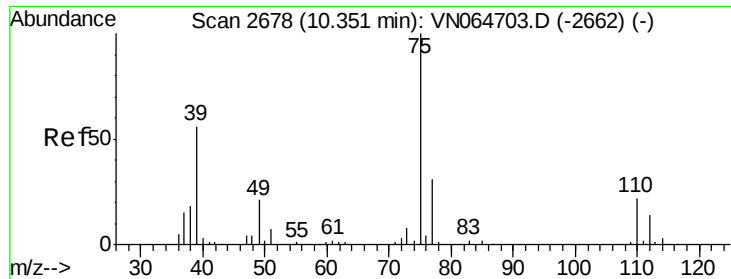
MMDadoda
11/19/2020 2:10:03 PM



#52
Toluene
Concen: 50.506 ug/l
RT: 10.12 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN064703.D
Acq: 18 Nov 2020 13:01

Tgt Ion: 92 Resp: 468727
Ion Ratio Lower Upper
92 100
91 176.5 141.2 211.8





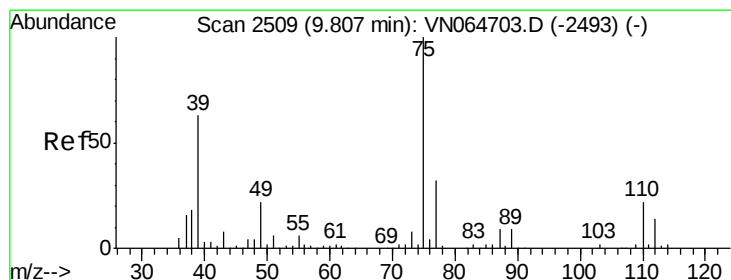
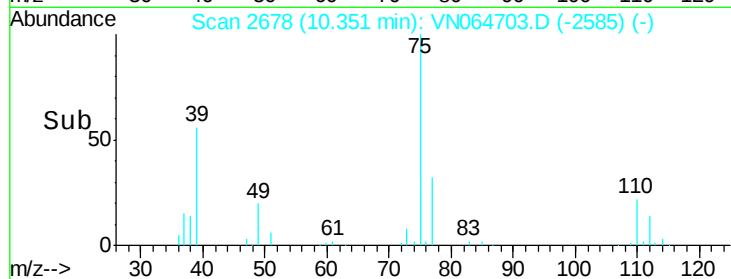
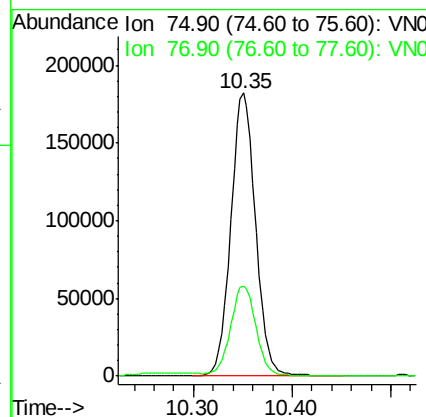
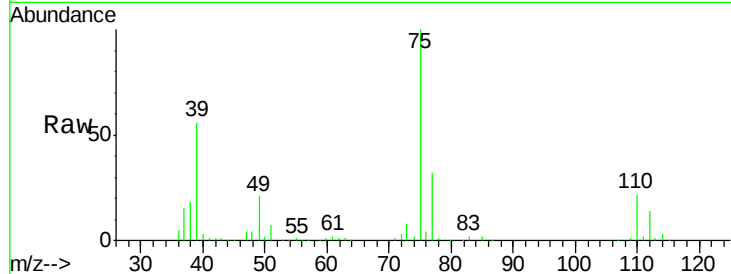
#53
t-1,3-Dichloropropene
Concen: 52.513 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN064703.D
Acq: 18 Nov 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 320427
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.0

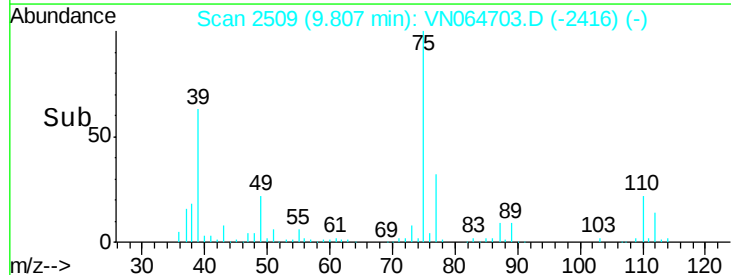
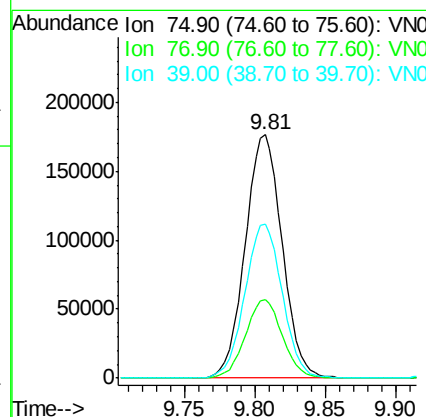
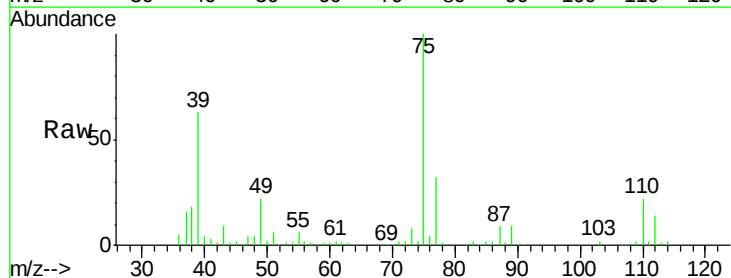
Manual Integrations
APPROVED

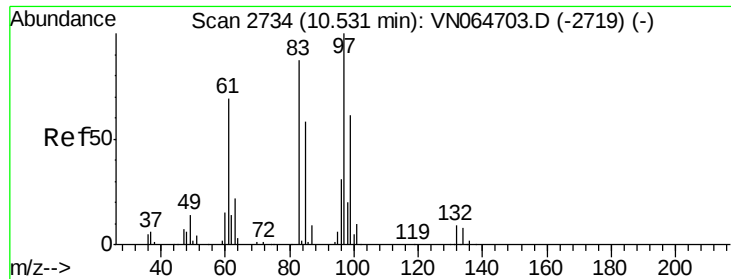
MMDadoda
11/19/2020 2:10:03 PM



#54
cis-1,3-Dichloropropene
Concen: 49.915 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN064703.D
Acq: 18 Nov 2020 13:01

Tgt Ion: 75 Resp: 323956
Ion Ratio Lower Upper
75 100
77 32.3 25.8 38.8
39 63.1 50.5 75.7





#55

1,1,2-Trichloroethane

Concen: 51.137 ug/l

RT: 10.53 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN064703.D

Acq: 18 Nov 2020 13:01

Instrument :

MSVOA_N

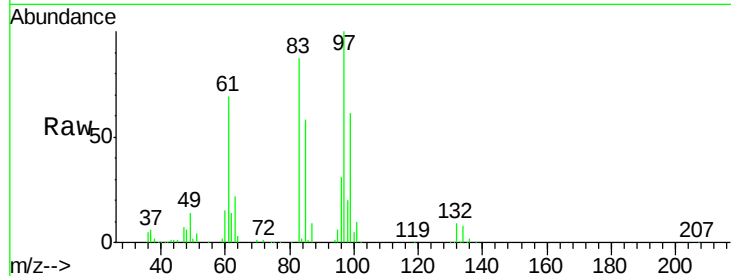
ClientSampleId :

VSTDICCC050

Tot Ion:	97	Resp:	186039
Ion	Ratio	Lower	Upper
97	100		
83	87.0	69.6	104.4
85	58.3	46.6	70.0
99	61.1	48.9	73.3

Manual Integrations
APPROVED

MMDadoda
11/19/2020 2:10:03 PM



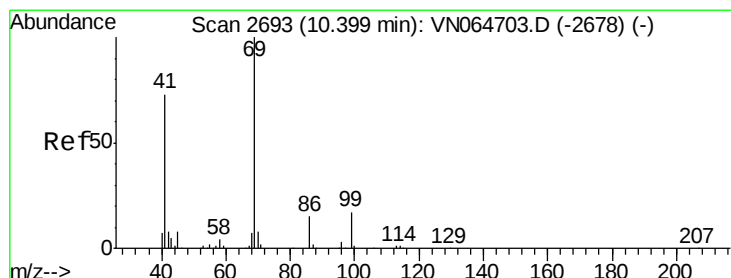
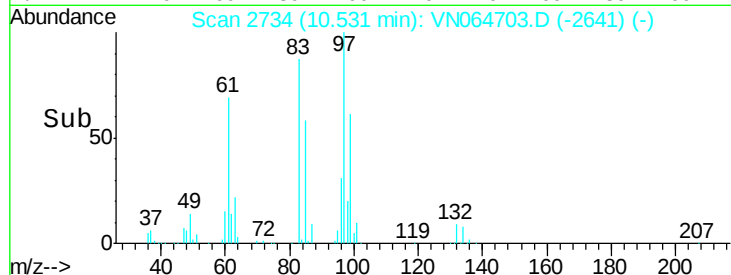
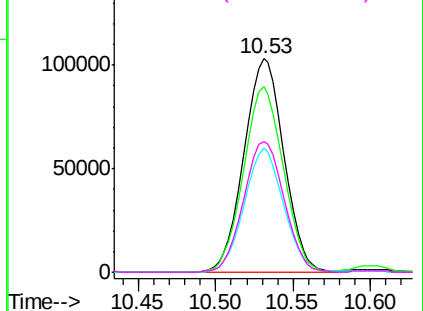
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 52.406 ug/l

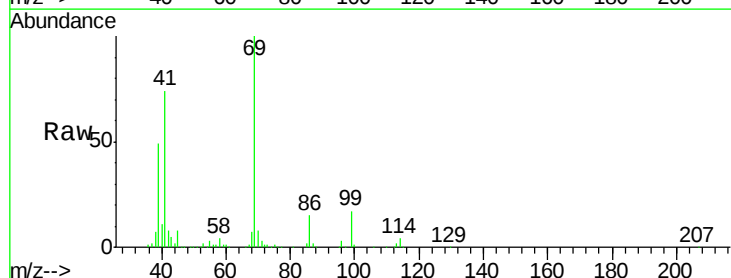
RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN064703.D

Acq: 18 Nov 2020 13:01

Tgt Ion:	69	Resp:	274847
Ion	Ratio	Lower	Upper
69	100		
41	73.7	59.0	88.4
39	48.0	38.4	57.6

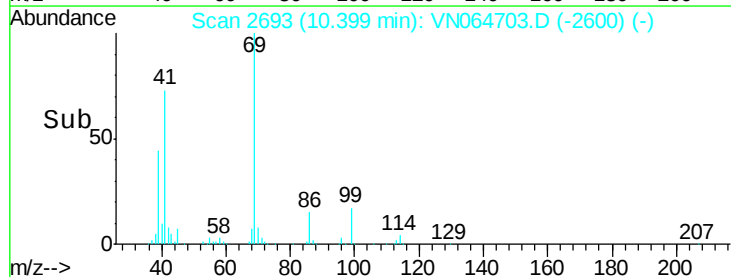
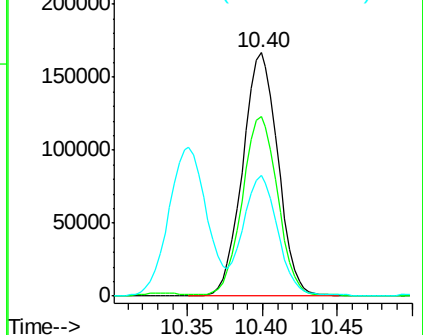


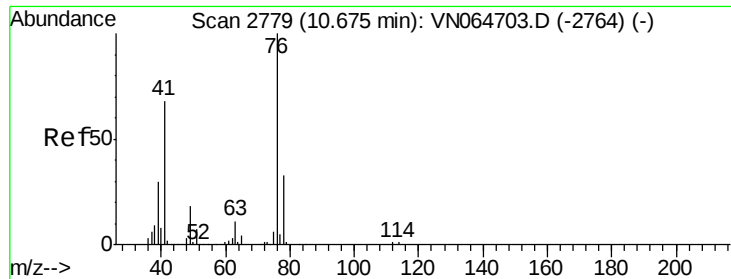
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





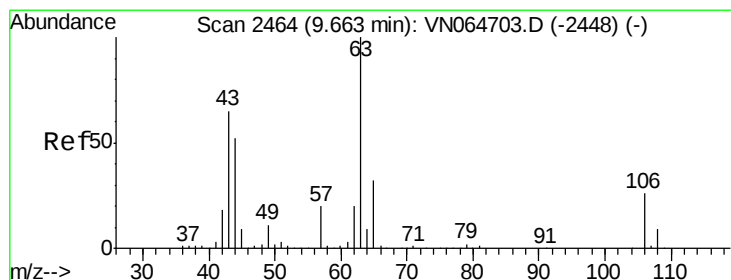
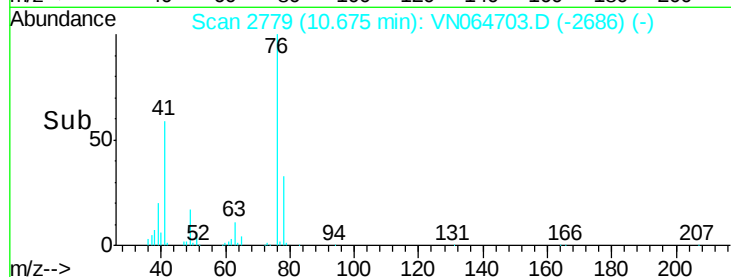
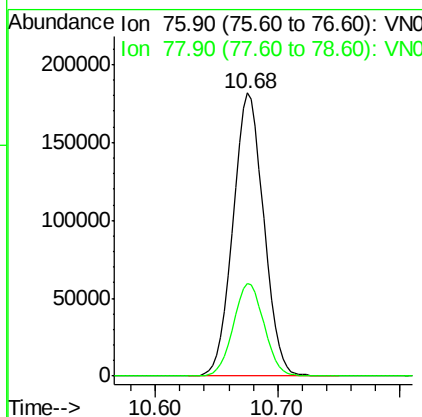
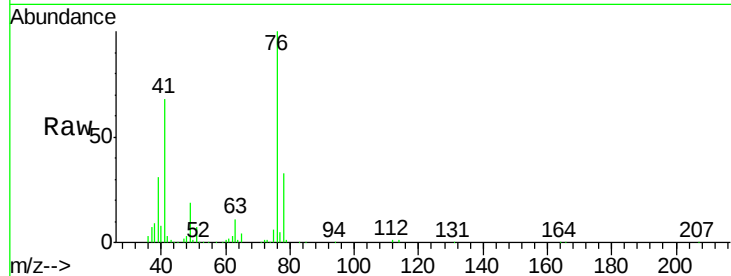
#57
 1,3-Dichloropropane
 Concen: 50.249 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN064703.D
 Acq: 18 Nov 2020 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 76 Resp: 317996
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.4 39.6

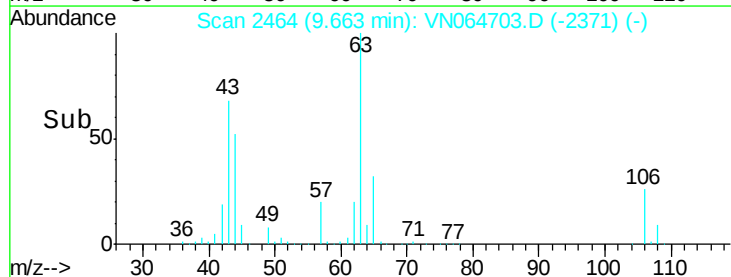
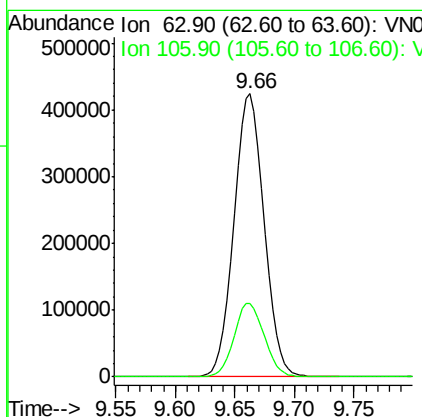
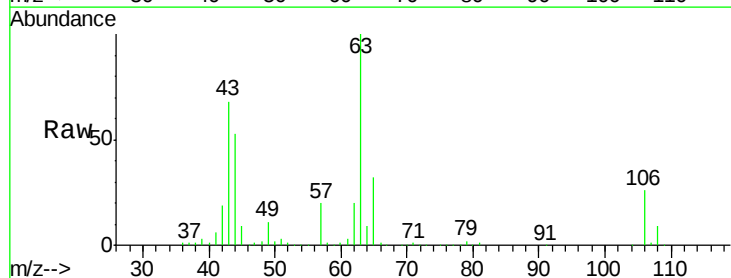
Manual Integrations
 APPROVED

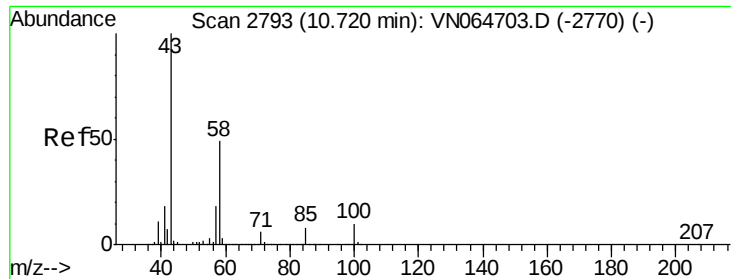
MMDadoda
 11/19/2020 2:10:03 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 281.733 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064703.D
 Acq: 18 Nov 2020 13:01

Tgt Ion: 63 Resp: 744738
 Ion Ratio Lower Upper
 63 100
 106 26.1 20.9 31.3





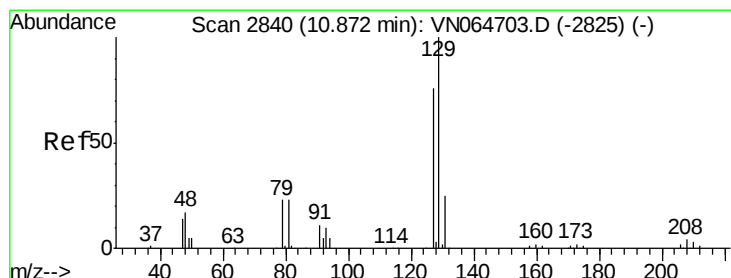
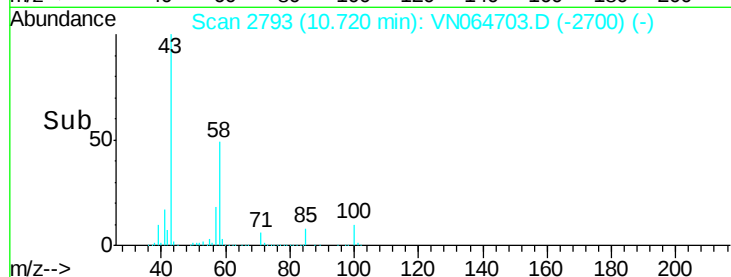
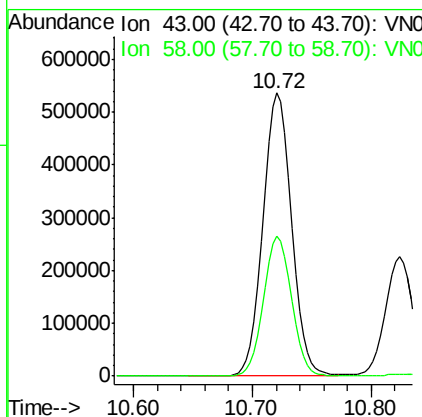
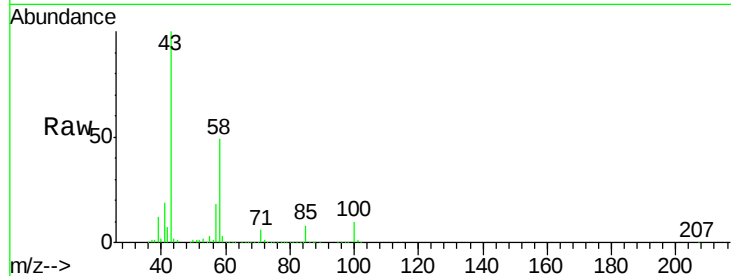
#59
2-Hexanone
Concen: 254.327 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN064703.D
Acq: 18 Nov 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	43	Resp	891761
Ion Ratio	100	Lower	Upper
43	100		
58	48.9	24.4	73.4

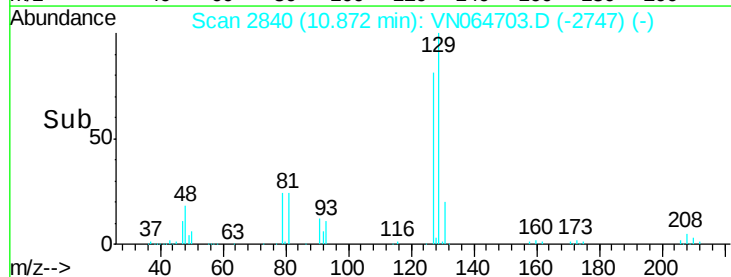
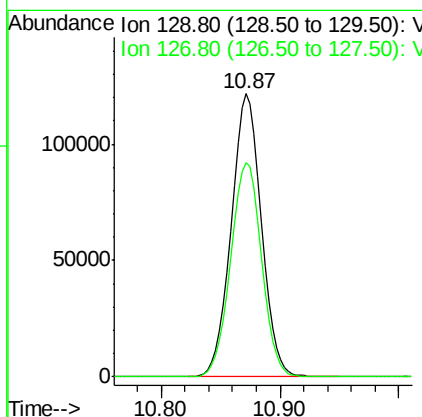
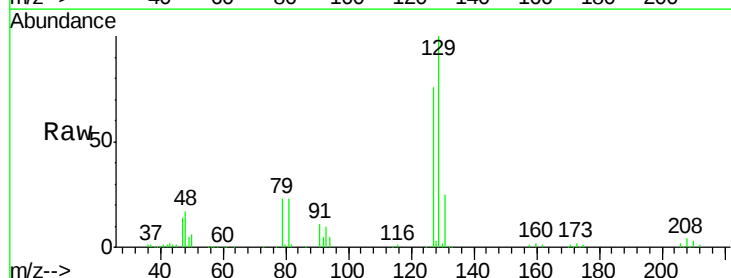
Manual Integrations
APPROVED

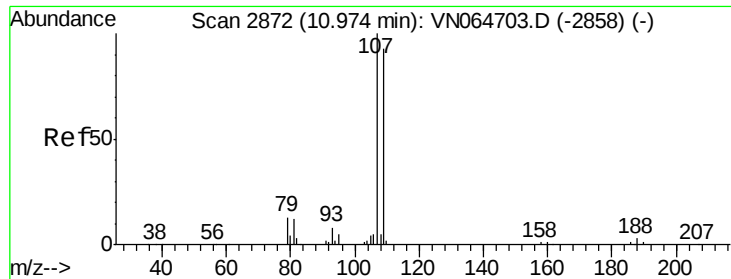
MMDadoda
11/19/2020 2:10:03 PM



#60
Dibromochloromethane
Concen: 52.460 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN064703.D
Acq: 18 Nov 2020 13:01

Tgt Ion	129	Resp	213586
Ion Ratio	100	Lower	Upper
129	100		
127	77.6	38.8	116.4





#61

1,2-Dibromoethane

Concen: 52.695 ug/l

RT: 10.97 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN064703.D

Acq: 18 Nov 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 107 Resp: 194725

Ion Ratio Lower Upper

107 100

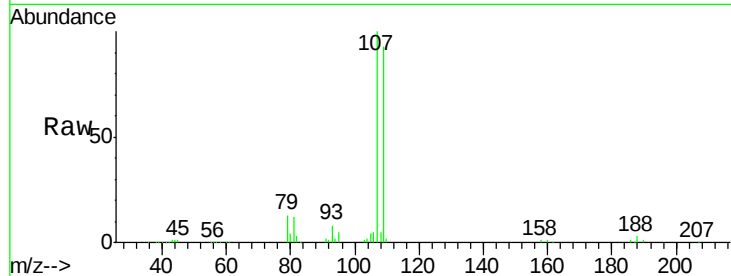
109 92.8 74.2 111.4

Manual Integrations

APPROVED

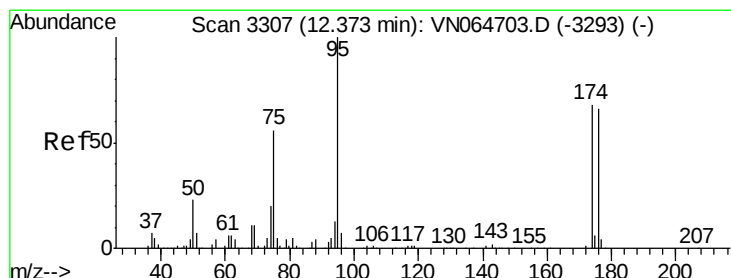
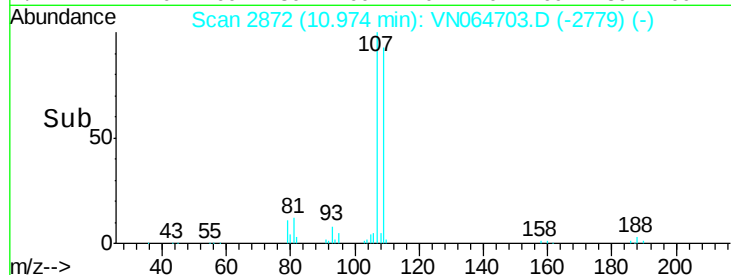
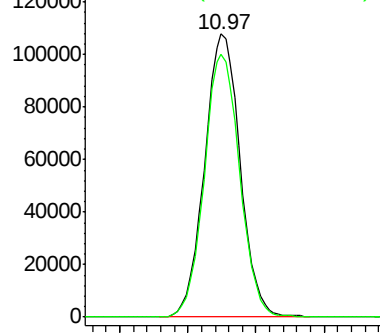
MMDadoda

11/19/2020 2:10:03 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.123 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN064703.D

Acq: 18 Nov 2020 13:01

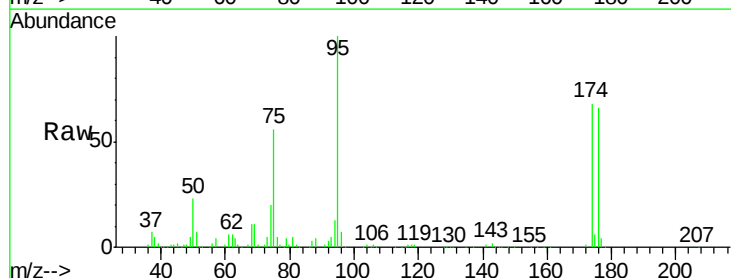
Tgt Ion: 95 Resp: 237392

Ion Ratio Lower Upper

95 100

174 68.4 0.0 136.8

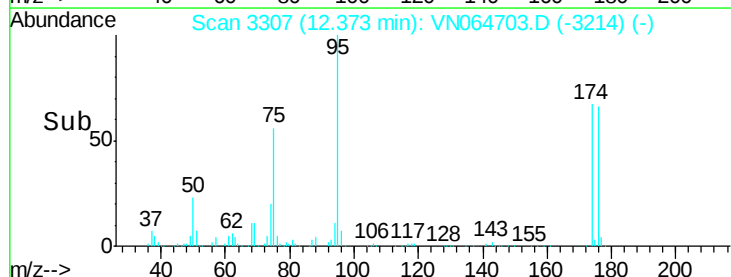
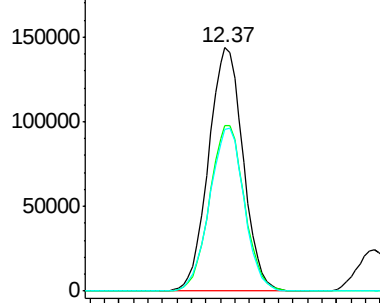
176 67.1 0.0 134.2

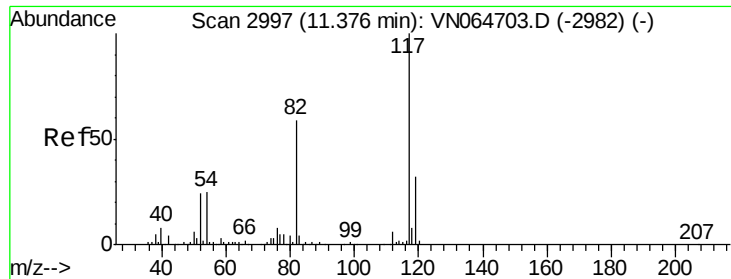


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





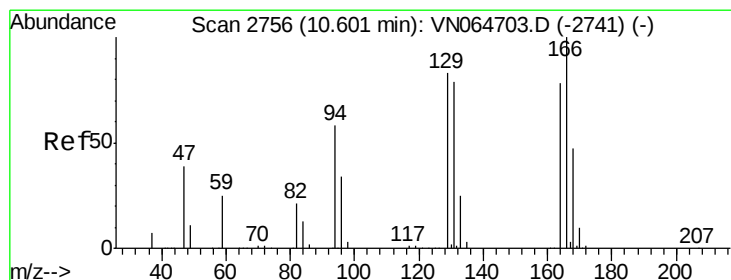
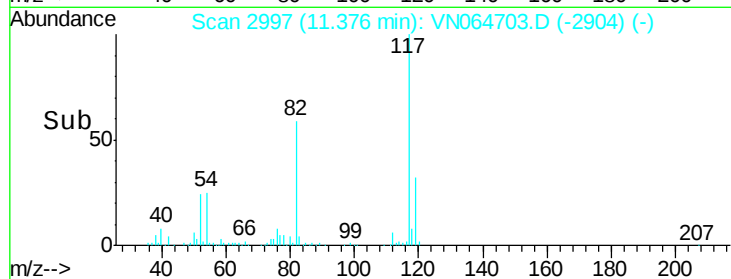
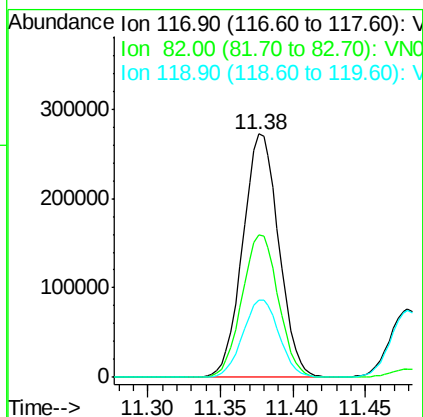
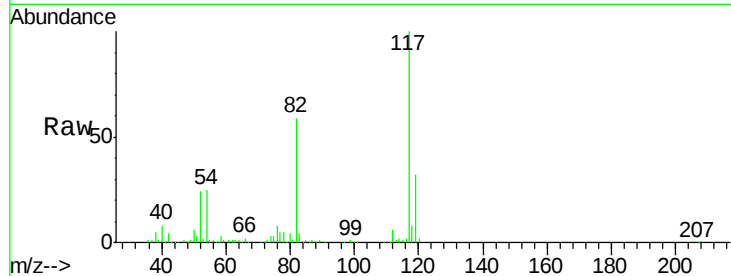
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN064703.D
Acq: 18 Nov 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.8	47.0	70.6
119	31.8	25.4	38.2

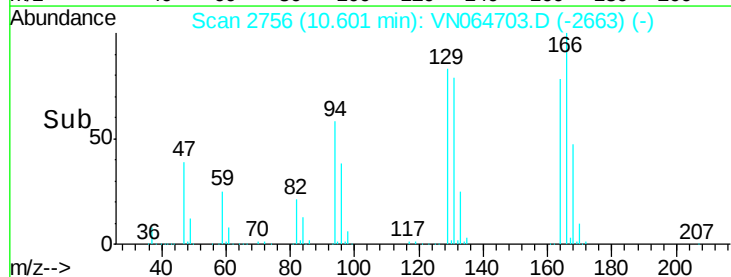
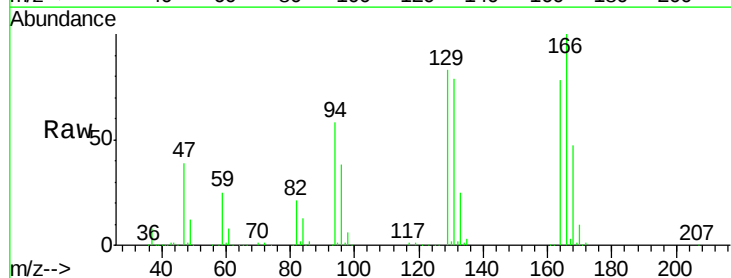
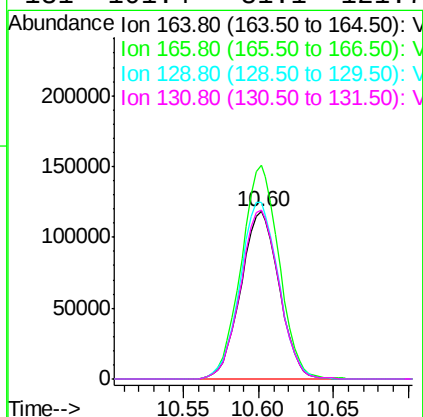
Manual Integrations
APPROVED

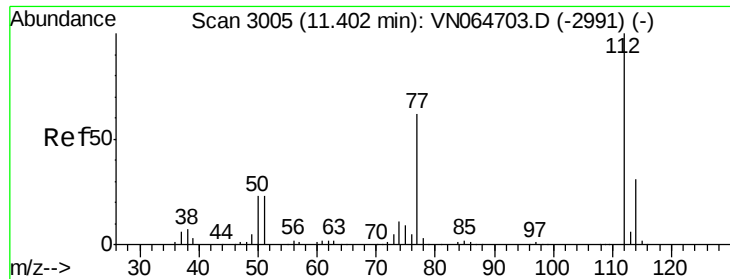
MMDadoda
11/19/2020 2:10:03 PM



#64
Tetrachloroethene
Concen: 56.931 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064703.D
Acq: 18 Nov 2020 13:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.8	102.2	153.4
129	105.9	84.7	127.1
131	101.4	81.1	121.7





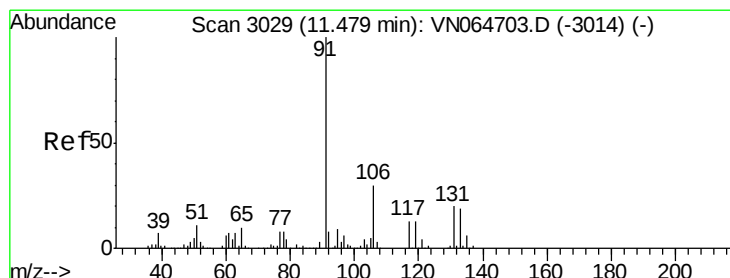
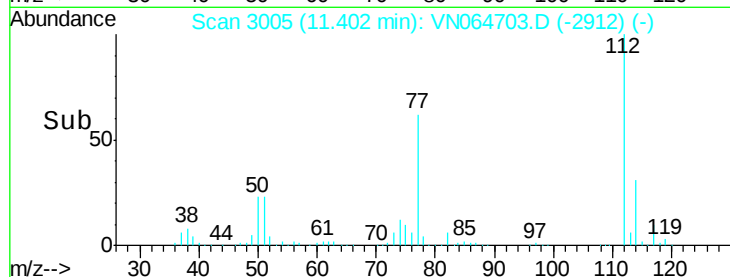
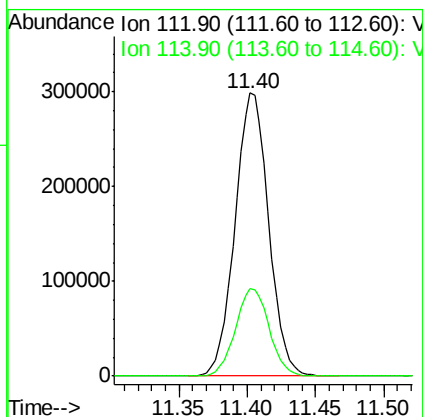
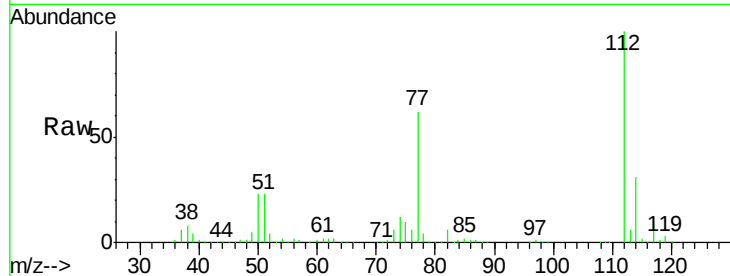
#65
Chlorobenzene
Concen: 49.900 ug/l
RT: 11.40 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN064703.D
Acq: 18 Nov 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 510233
Ion Ratio Lower Upper
112 100
114 30.9 24.7 37.1

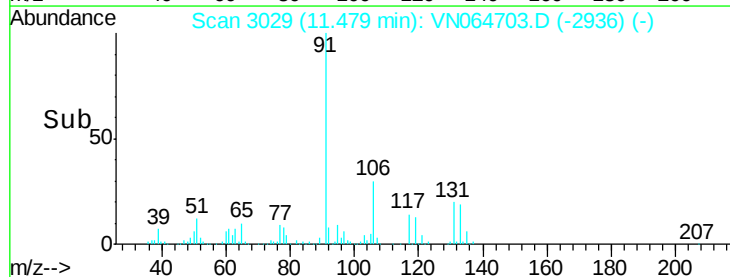
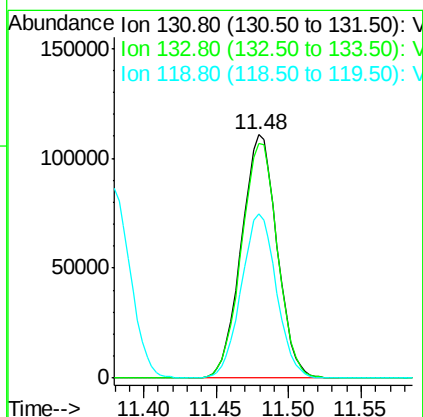
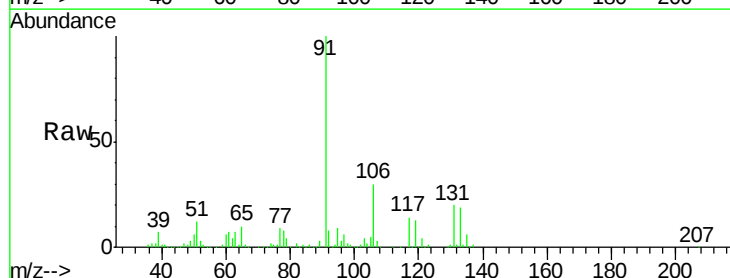
Manual Integrations
APPROVED

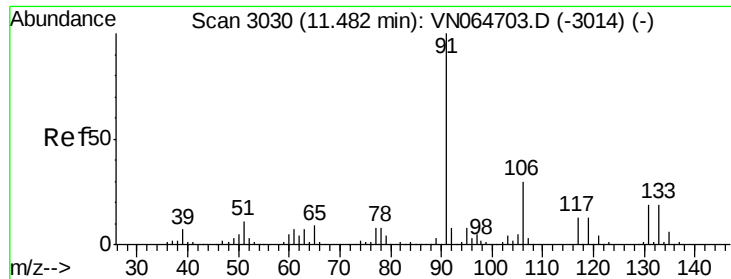
MMDadoda
11/19/2020 2:10:03 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.937 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN064703.D
Acq: 18 Nov 2020 13:01

Tgt Ion:131 Resp: 189809
Ion Ratio Lower Upper
131 100
133 97.6 48.8 146.4
119 66.9 33.5 100.4





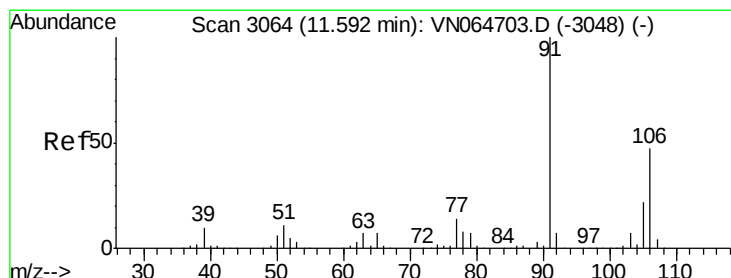
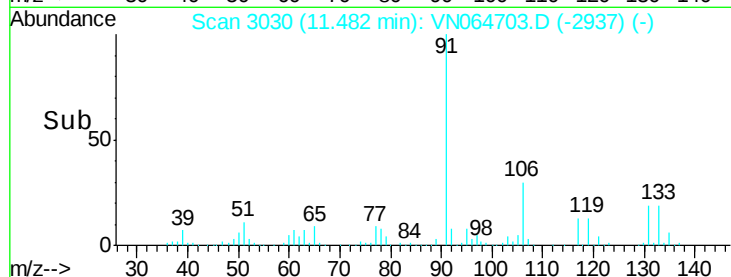
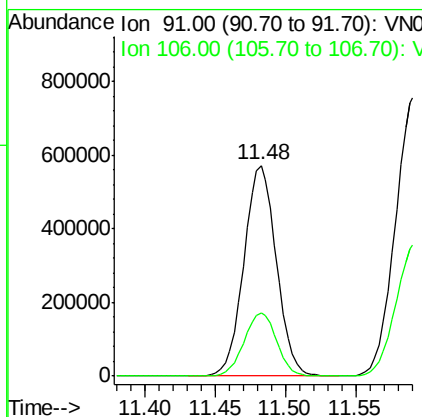
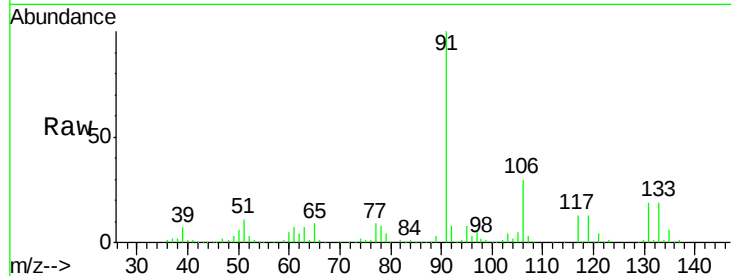
#67
Ethyl Benzene
Concen: 51.079 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064703.D
Acq: 18 Nov 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 922703
Ion Ratio Lower Upper
91 100
106 29.9 23.9 35.9

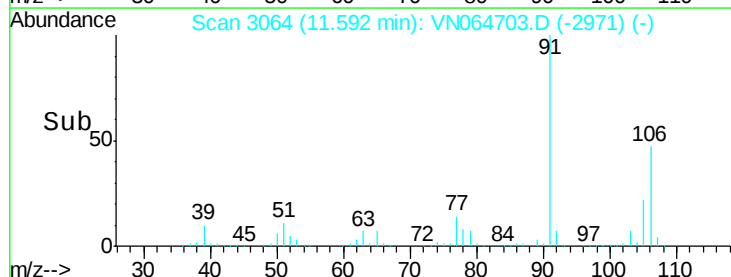
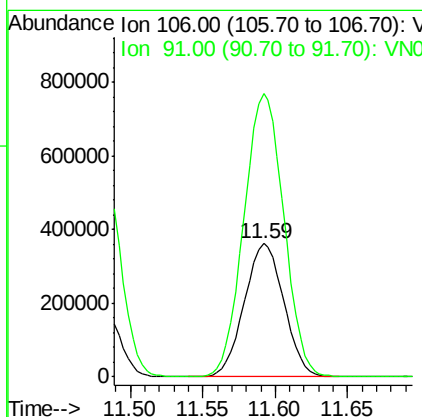
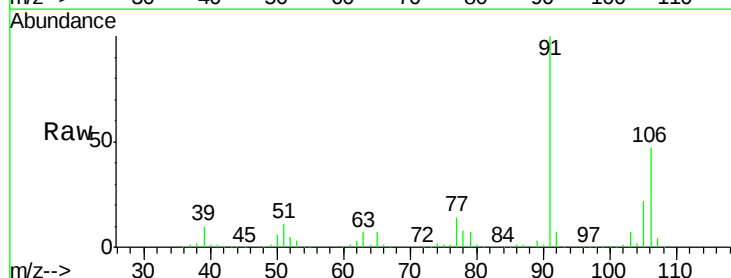
Manual Integrations
APPROVED

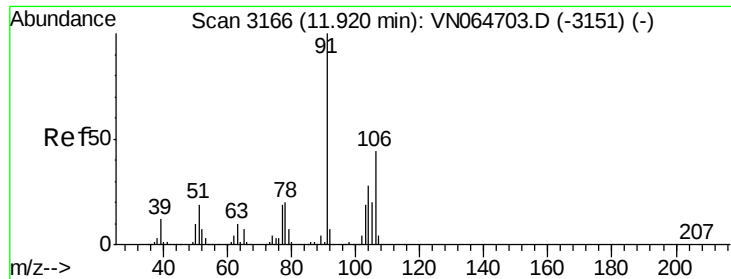
MMDadoda
11/19/2020 2:10:03 PM



#68
m/p-Xylenes
Concen: 104.530 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN064703.D
Acq: 18 Nov 2020 13:01

Tgt Ion: 106 Resp: 686863
Ion Ratio Lower Upper
106 100
91 214.9 171.9 257.9





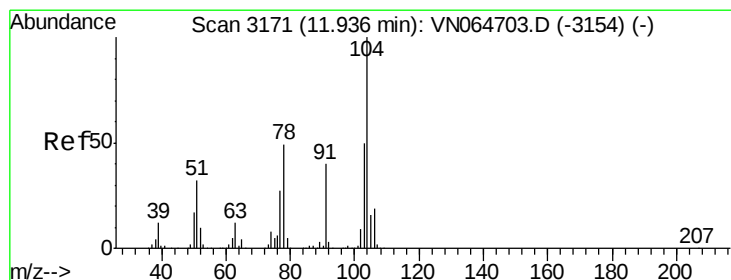
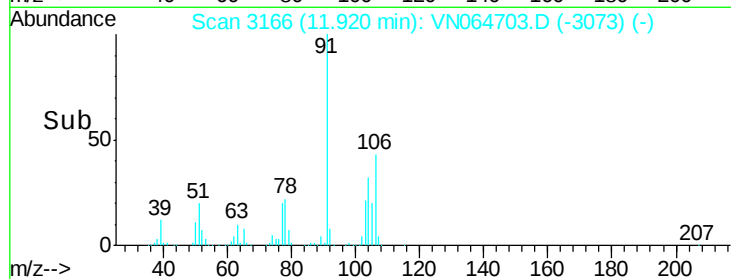
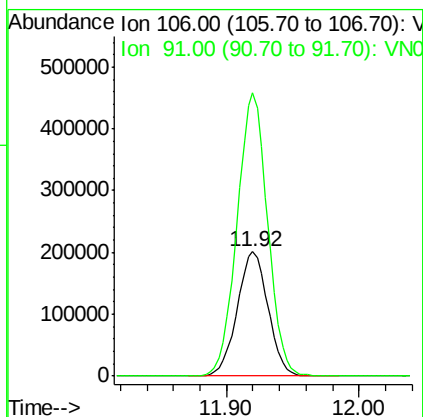
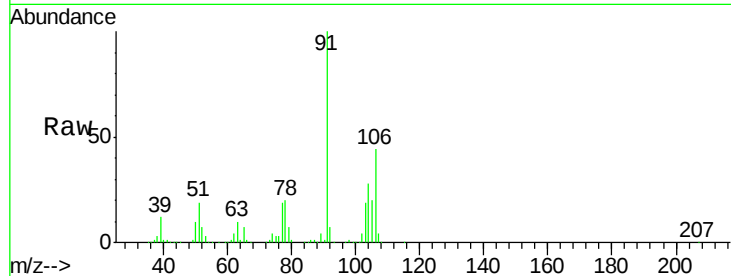
#69
o-Xylene
Concen: 51.438 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064703.D
Acq: 18 Nov 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
326184	106	100		
	91	224.2	112.1	336.3

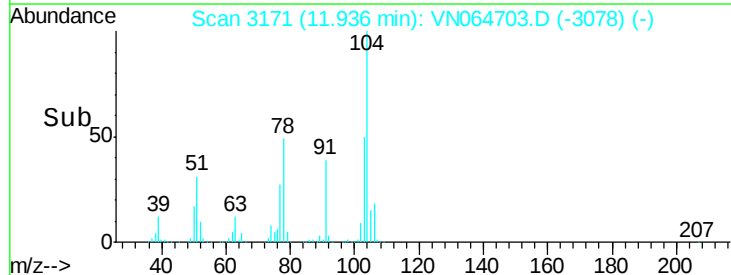
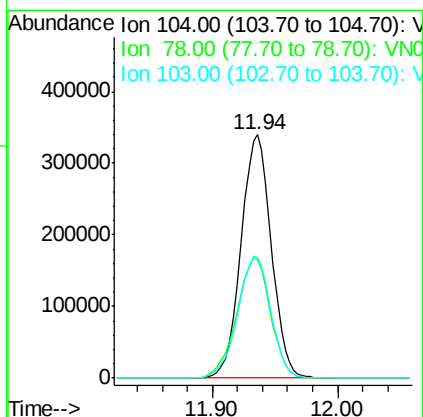
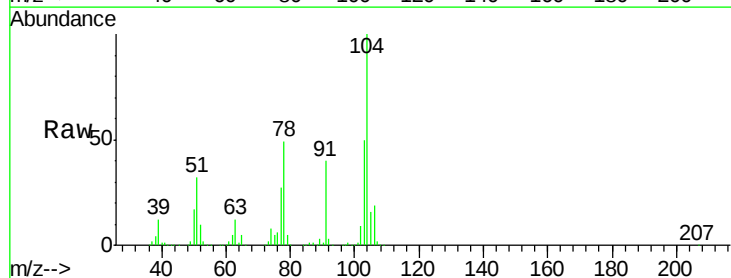
Manual Integrations
APPROVED

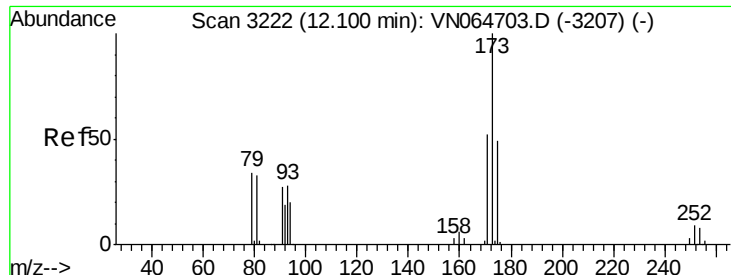
MMDadoda
11/19/2020 2:10:03 PM



#70
Styrene
Concen: 53.390 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064703.D
Acq: 18 Nov 2020 13:01

Tgt Ion	Ion	Ratio	Lower	Upper
570714	104	100		
	78	55.1	44.1	66.1
	103	54.6	43.7	65.5





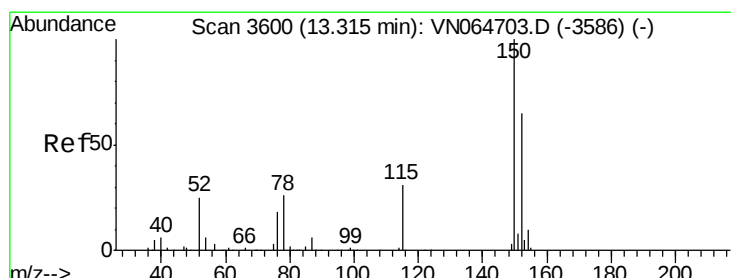
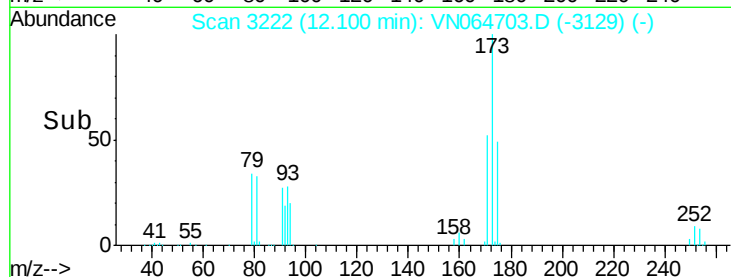
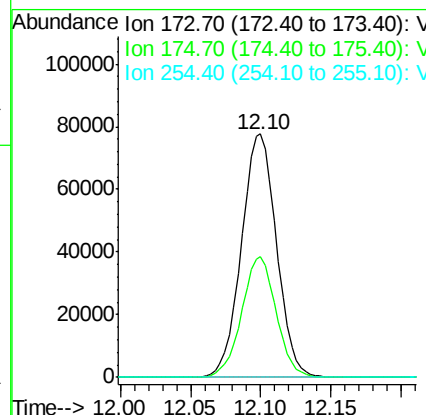
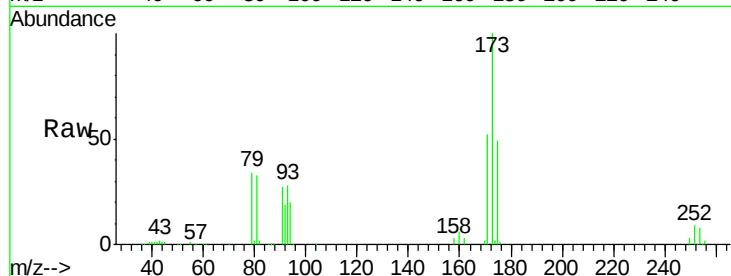
#71
Bromoform
Concen: 52.866 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN064703.D
Acq: 18 Nov 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.3	72.9
254	0.1	0.1	0.1

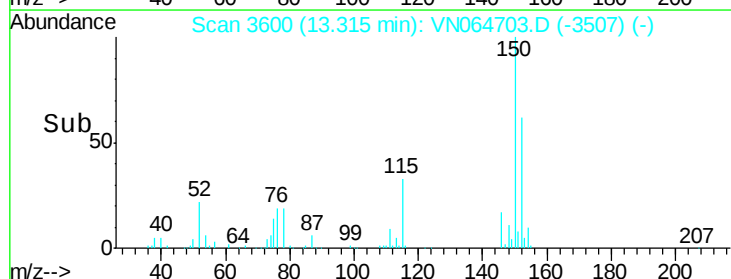
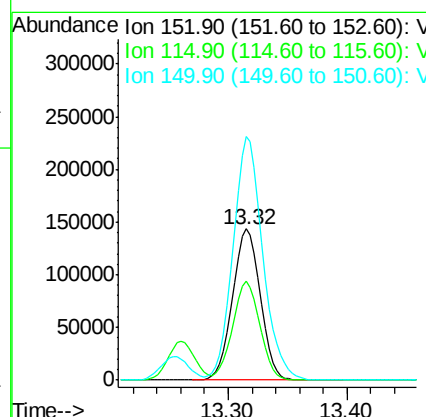
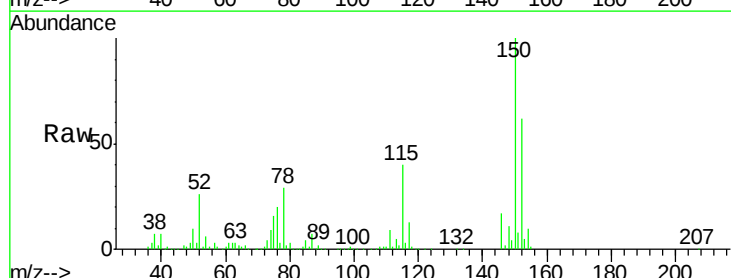
Manual Integrations
APPROVED

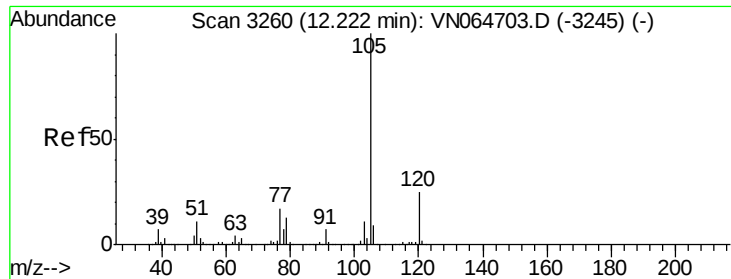
MMDadoda
11/19/2020 2:10:03 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN064703.D
Acq: 18 Nov 2020 13:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.2	32.1	96.3
150	172.4	0.0	344.8





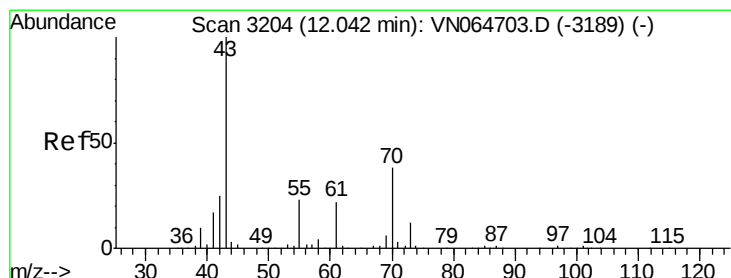
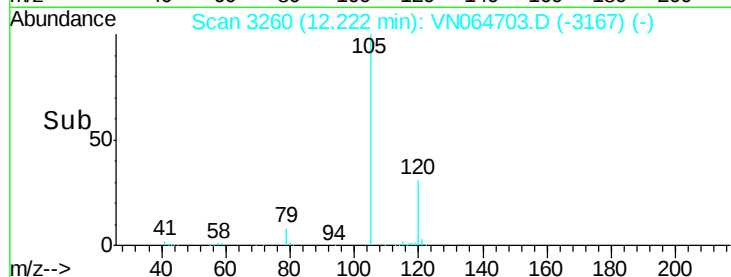
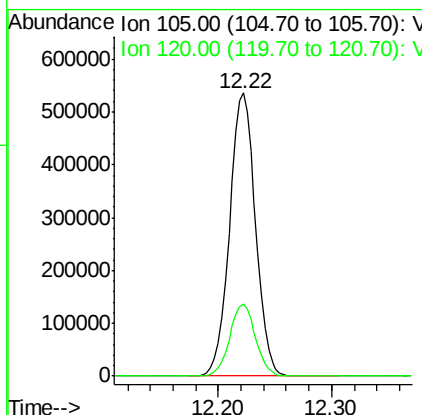
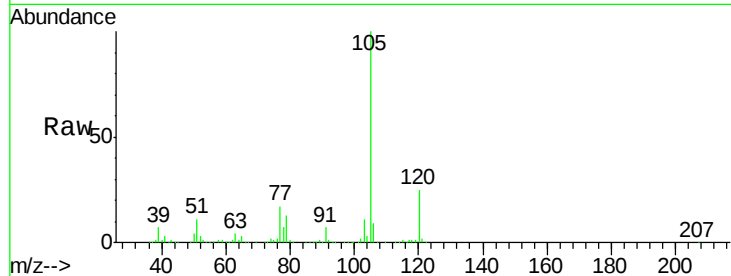
#73
Isopropylbenzene
Concen: 47.391 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN064703.D
Acq: 18 Nov 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.8	38.3

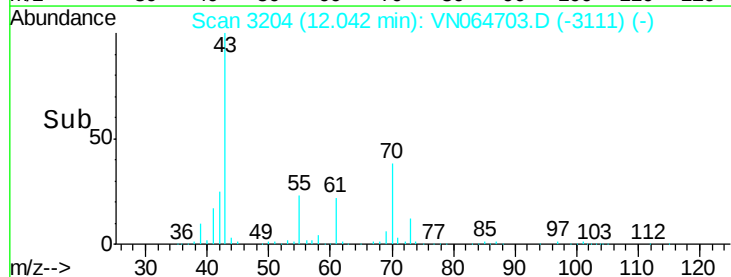
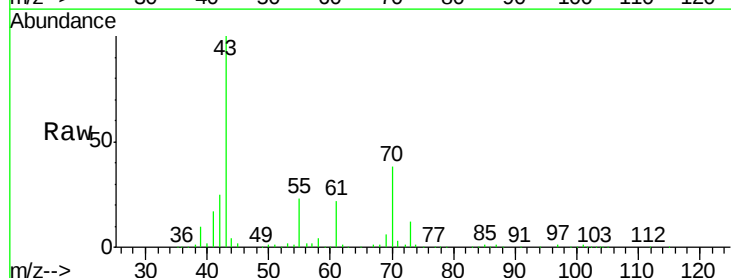
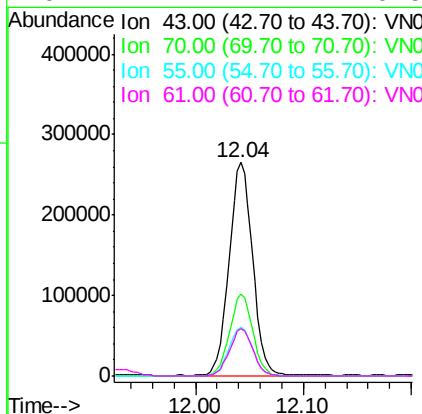
Manual Integrations
APPROVED

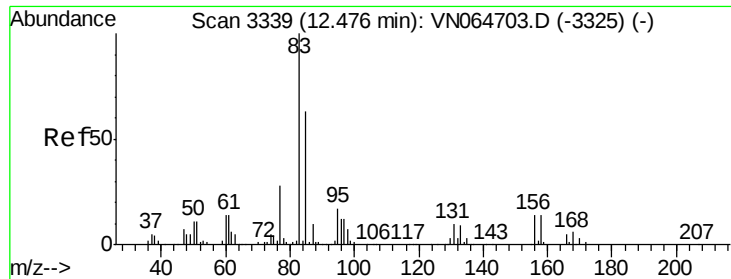
MMDadoda
11/19/2020 2:10:03 PM



#74
N-ethyl acetate
Concen: 51.122 ug/l
RT: 12.04 min Scan# 3204
Delta R.T. 0.00 min
Lab File: VN064703.D
Acq: 18 Nov 2020 13:01

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.9	30.3	45.5
55	23.6	18.9	28.3
61	22.1	17.7	26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 42.330 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN064703.D

Acq: 18 Nov 2020 13:01

Instrument :

MSVOA_N

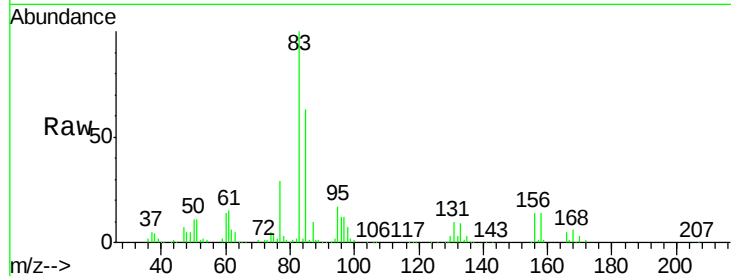
ClientSampleId :

VSTDICCC050

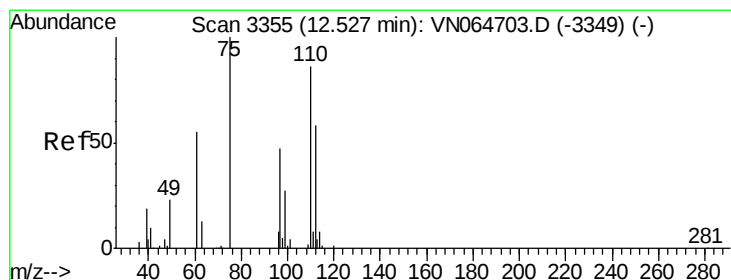
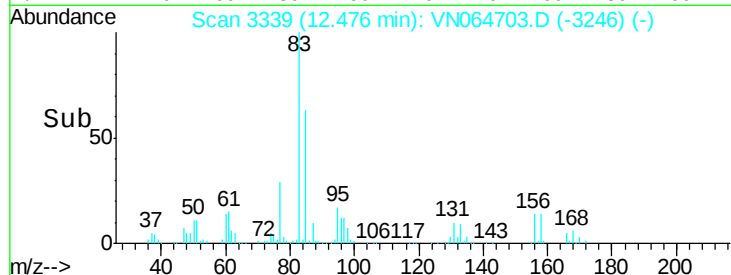
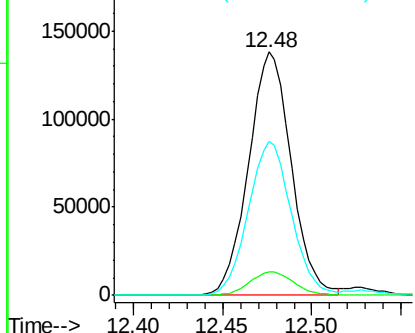
Tot Ion:	83	Resp:	231507
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.0	15.0
85	63.6	31.8	95.4

Manual Integrations
APPROVED

MMDadoda
11/19/2020 2:10:03 PM



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 47.233 ug/l m

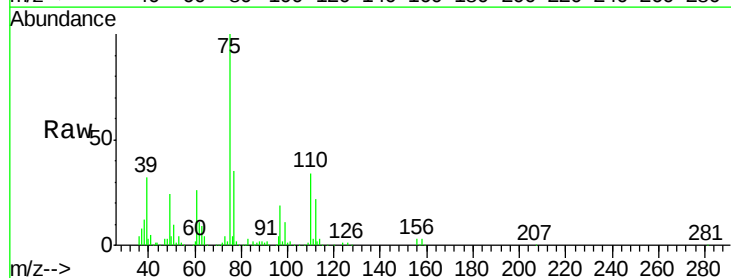
RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

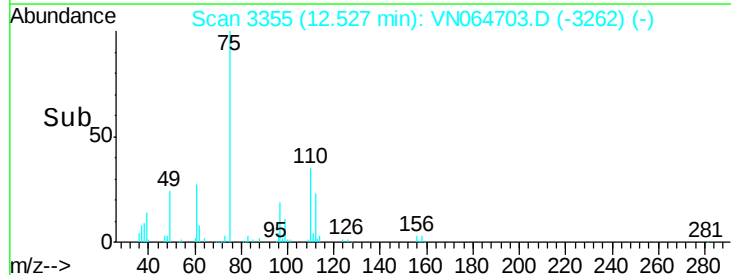
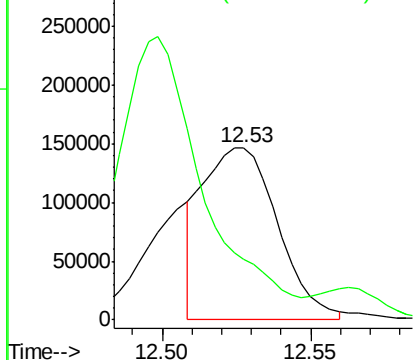
Lab File: VN064703.D

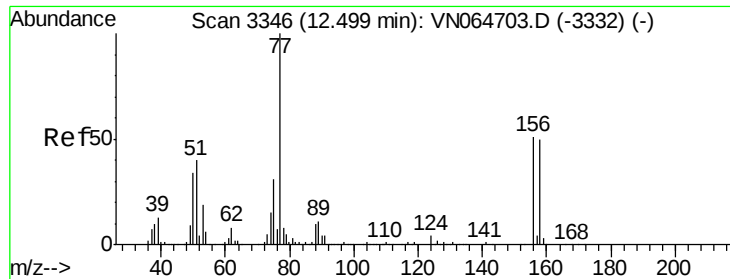
Acq: 18 Nov 2020 13:01

Tgt Ion:	75	Resp:	258883
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 46.897 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064703.D

Acq: 18 Nov 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:156 Resp: 207109

Ion Ratio Lower Upper

156 100

77 234.6 117.3 351.9

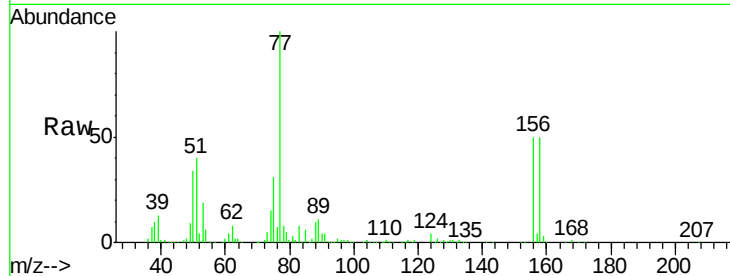
158 98.1 49.0 147.2

Manual Integrations

APPROVED

MMDadoda

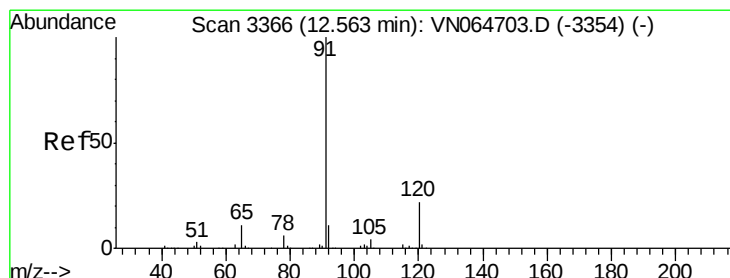
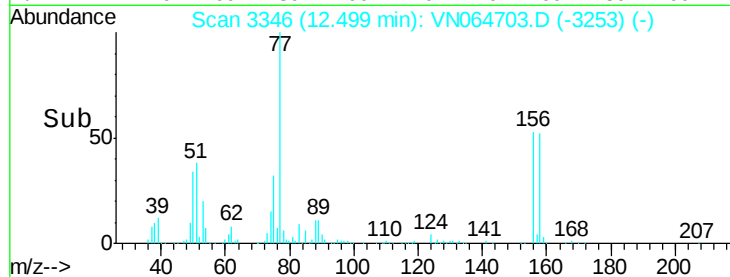
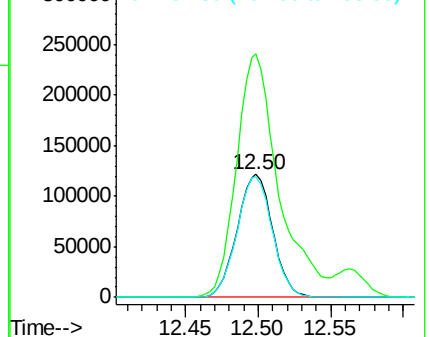
11/19/2020 2:10:03 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.684 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN064703.D

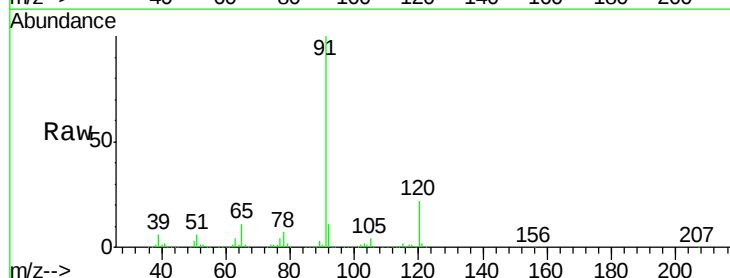
Acq: 18 Nov 2020 13:01

Tgt Ion: 91 Resp: 998876

Ion Ratio Lower Upper

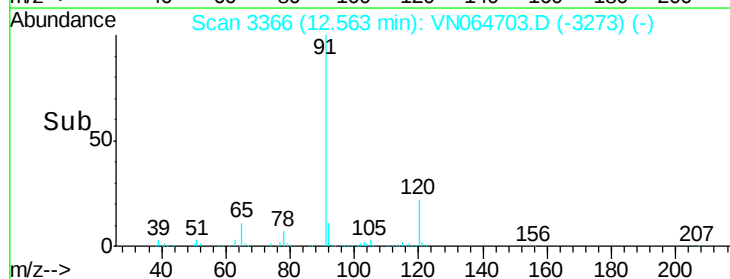
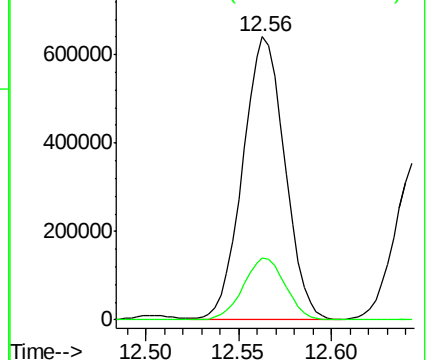
91 100

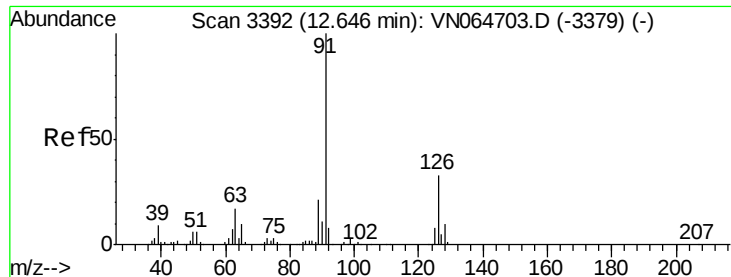
120 21.9 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.190 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN064703.D

Acq: 18 Nov 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 616726

Ion Ratio Lower Upper

91 100

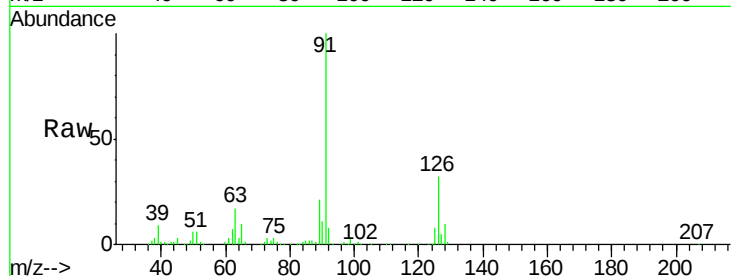
126 32.0 16.0 48.0

Manual Integrations

APPROVED

MMDadoda

11/19/2020 2:10:03 PM



Abundance Ion 91.00 (90.70 to 91.70): VN064703.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN064703.D (-3379) (-)

600000

400000

200000

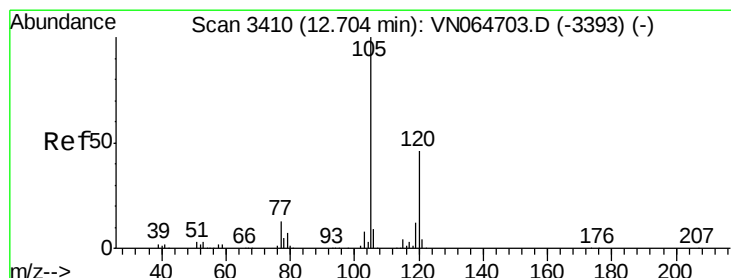
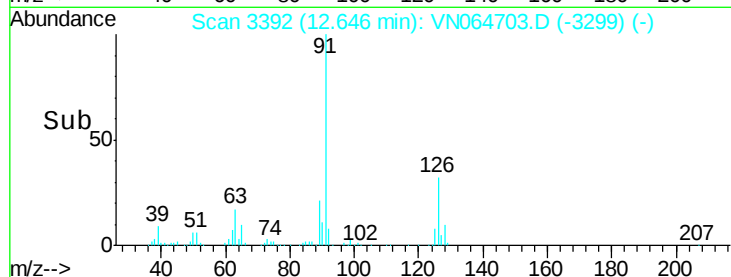
0

12.65

12.60

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.076 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN064703.D

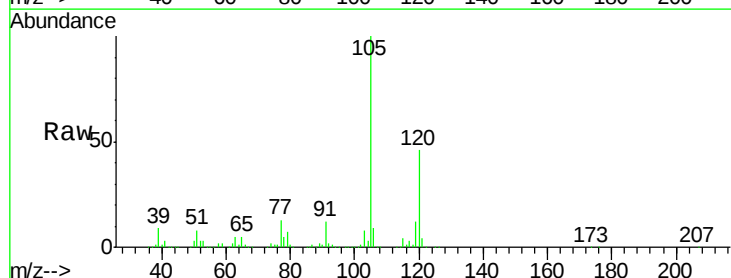
Acq: 18 Nov 2020 13:01

Tgt Ion: 105 Resp: 730174

Ion Ratio Lower Upper

105 100

120 45.9 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN064703.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN064703.D (-3393) (-)

500000

400000

300000

200000

100000

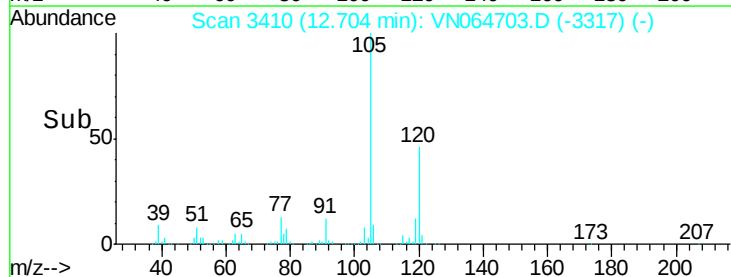
0

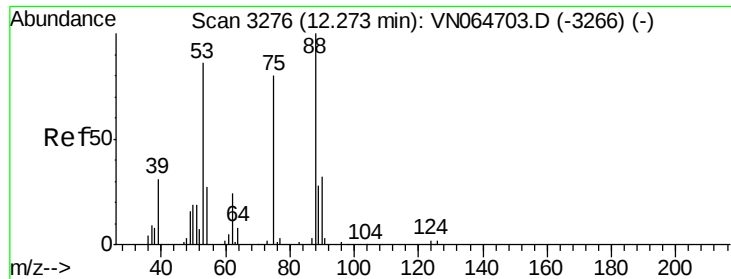
12.70

12.60

12.70

Time-->





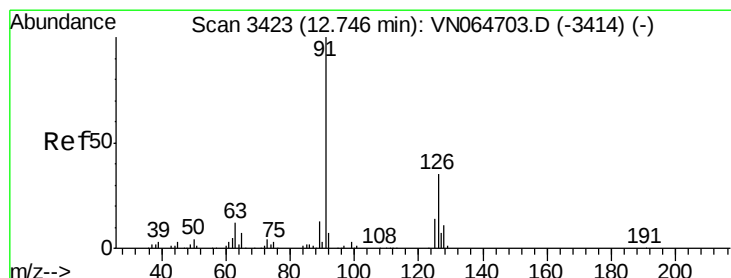
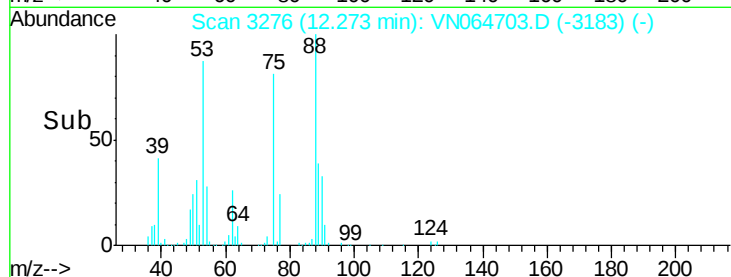
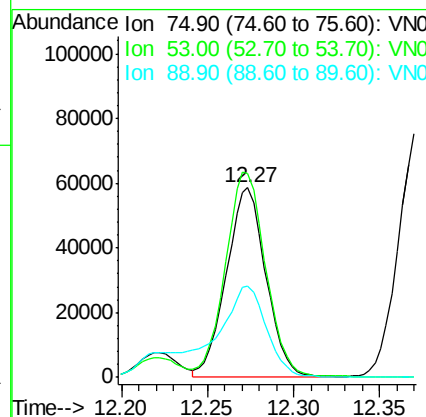
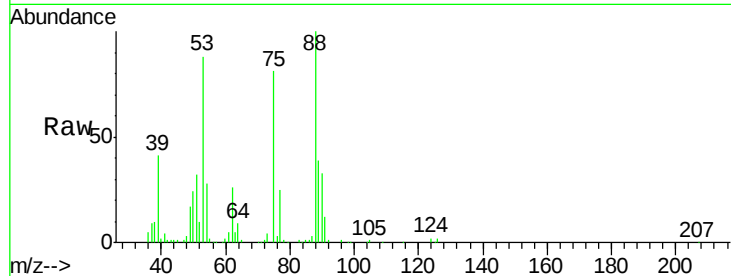
#81
trans-1,4-Dichloro-2-butene
Concen: 48.301 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN064703.D
Acq: 18 Nov 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.0	88.8	133.2
89	53.9	43.1	64.7

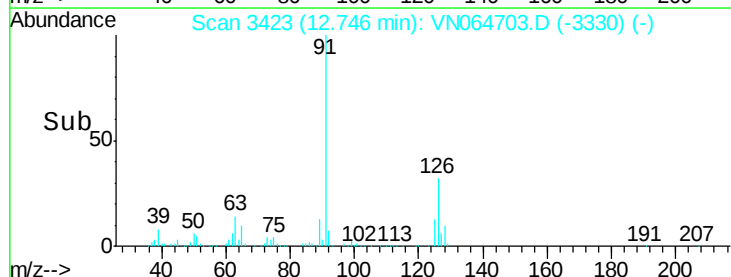
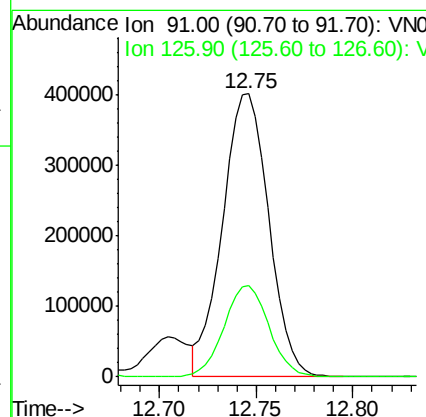
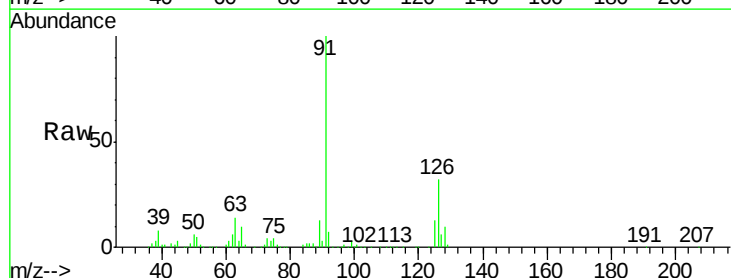
Manual Integrations
APPROVED

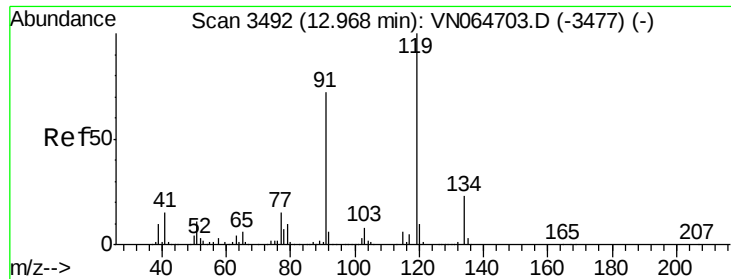
MMDadoda
11/19/2020 2:10:03 PM



#82
4-Chlorotoluene
Concen: 48.537 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN064703.D
Acq: 18 Nov 2020 13:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.9	47.7





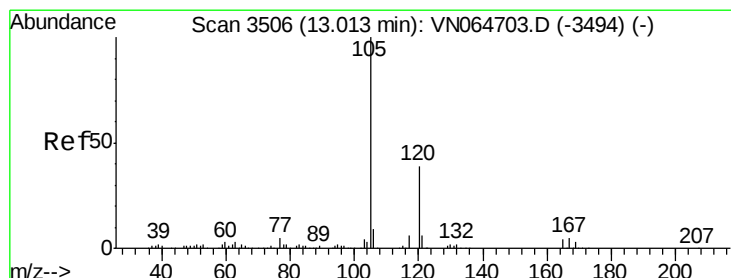
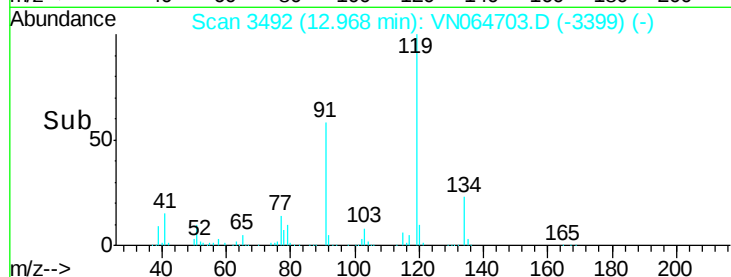
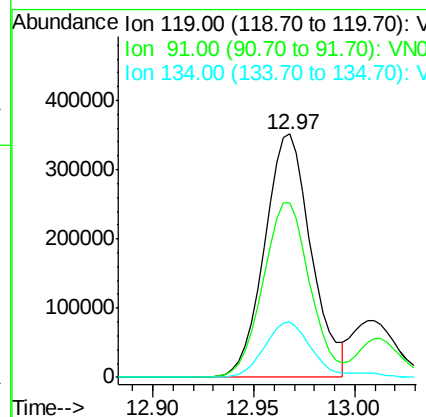
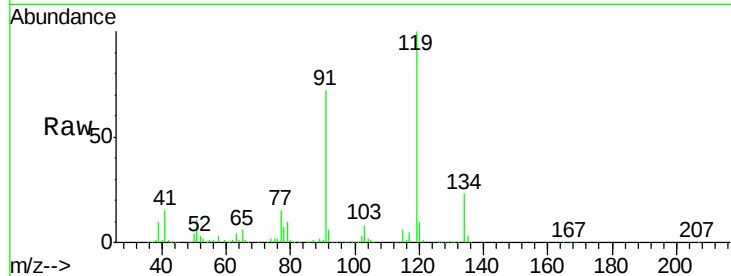
#83
tert-Butylbenzene
Concen: 48.651 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064703.D
Acq: 18 Nov 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.6	35.8	107.4
134	24.1	12.0	36.1

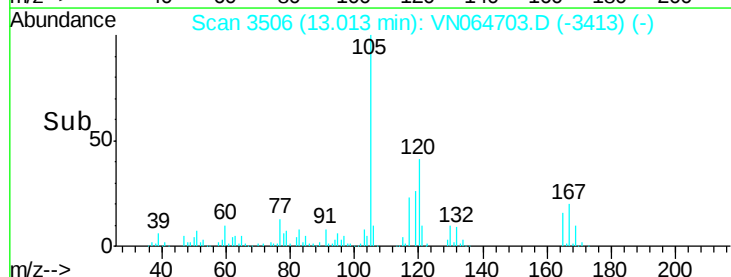
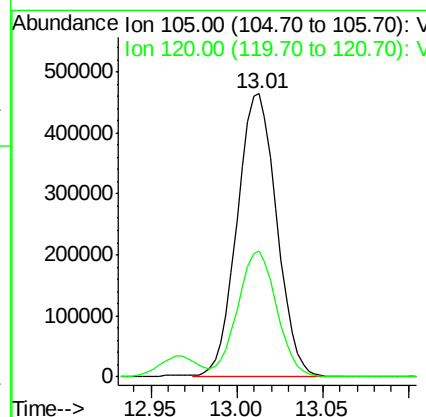
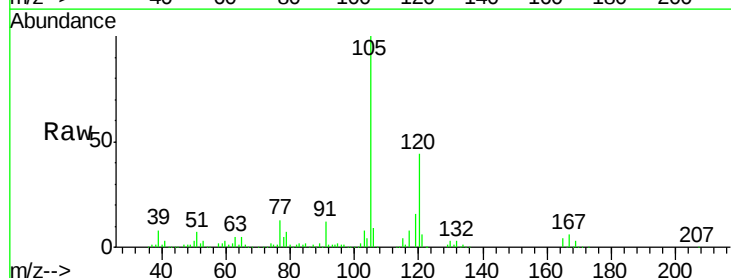
Manual Integrations
APPROVED

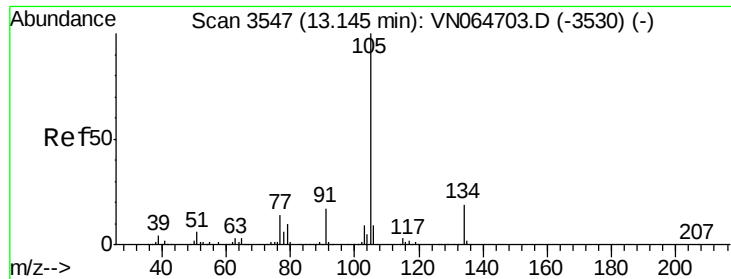
MMDadoda
11/19/2020 2:10:03 PM



#84
1,2,4-Trimethylbenzene
Concen: 49.582 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064703.D
Acq: 18 Nov 2020 13:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.0	66.0





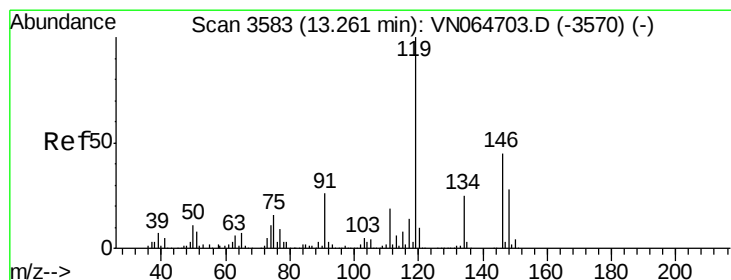
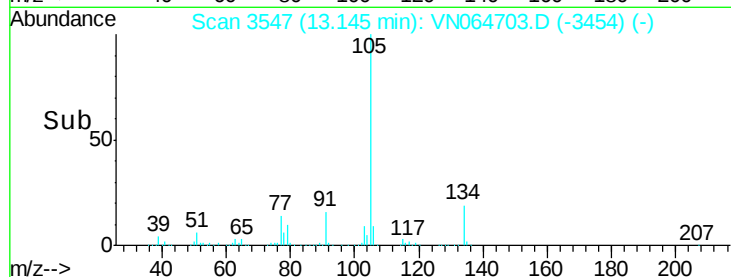
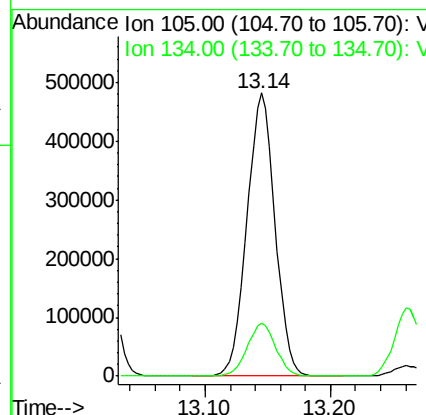
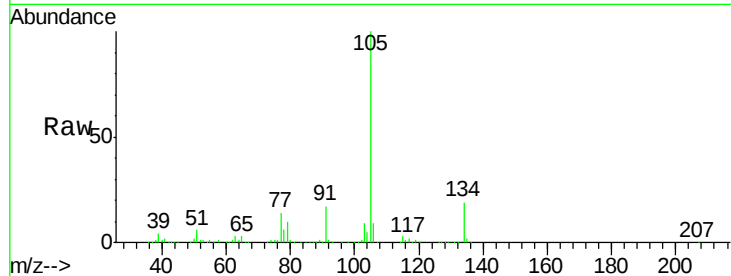
#85
 sec-Butylbenzene
 Concen: 50.657 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN064703.D
 Acq: 18 Nov 2020 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.5	28.5

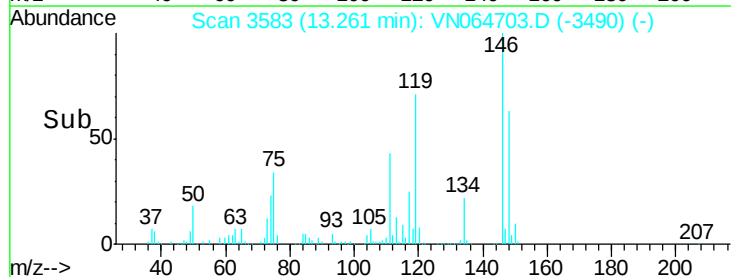
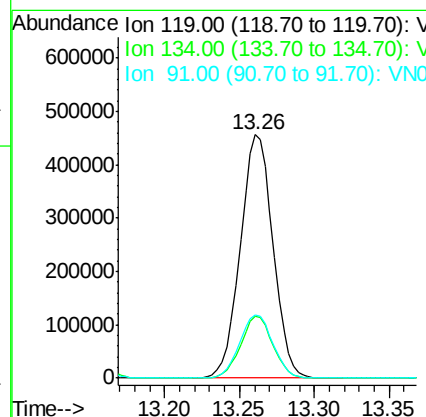
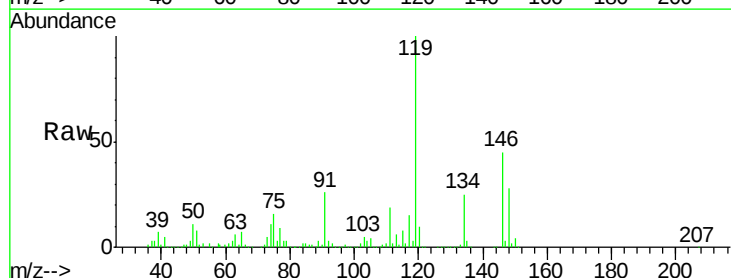
Manual Integrations
 APPROVED

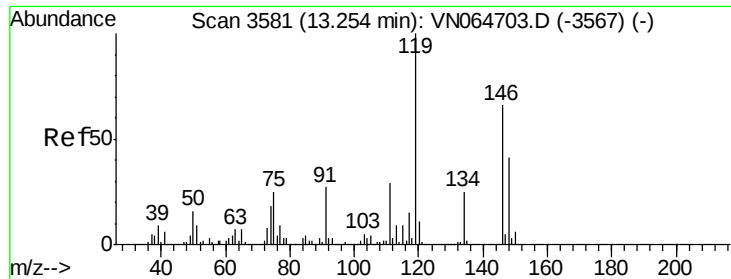
MMDadoda
 11/19/2020 2:10:03 PM



#86
 p-Isopropyltoluene
 Concen: 51.877 ug/l
 RT: 13.26 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN064703.D
 Acq: 18 Nov 2020 13:01

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.7	38.0
91	26.5	13.3	39.8





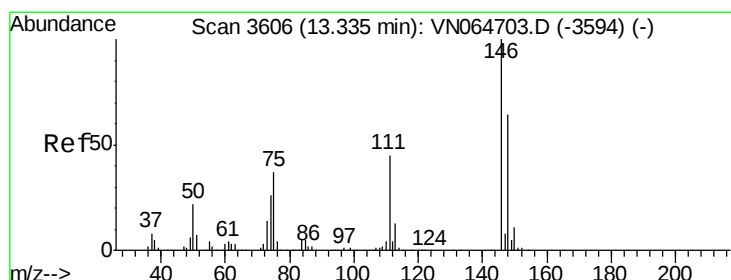
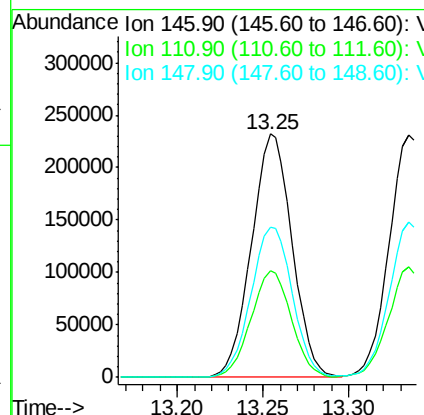
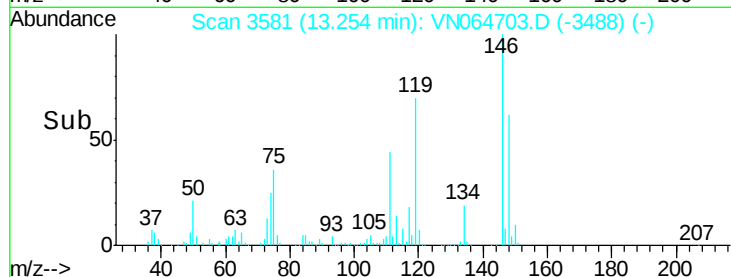
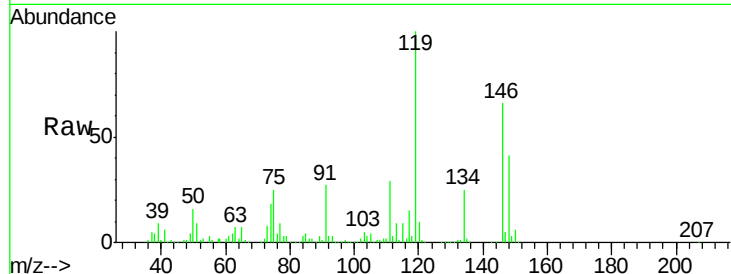
#87
 1,3-Dichlorobenzene
 Concen: 49.606 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN064703.D
 Acq: 18 Nov 2020 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.8	65.4
148	63.0	31.5	94.5

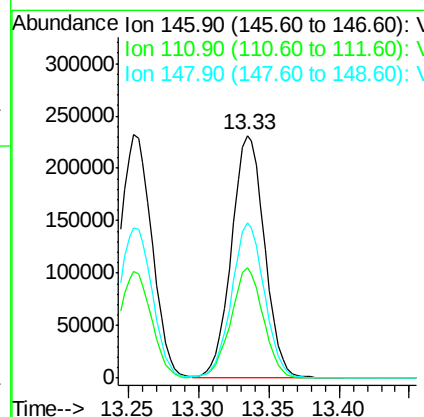
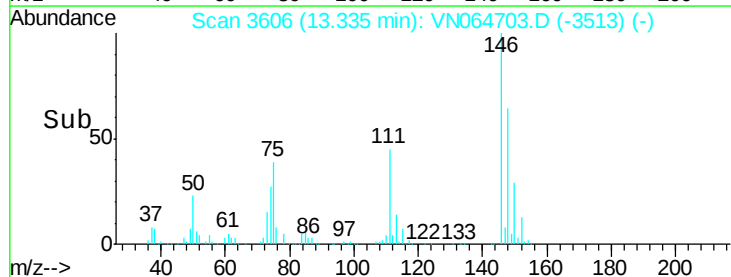
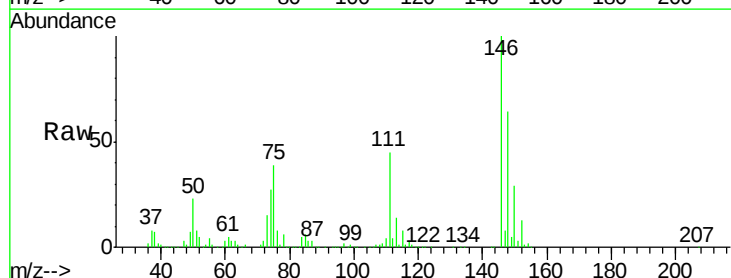
Manual Integrations
 APPROVED

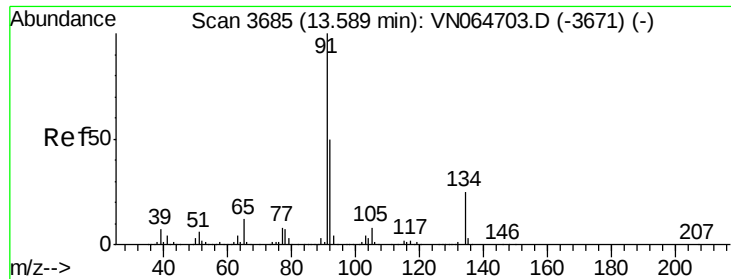
MMDadoda
 11/19/2020 2:10:03 PM



#88
 1,4-Dichlorobenzene
 Concen: 47.851 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN064703.D
 Acq: 18 Nov 2020 13:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.3	66.8
148	63.1	31.6	94.7





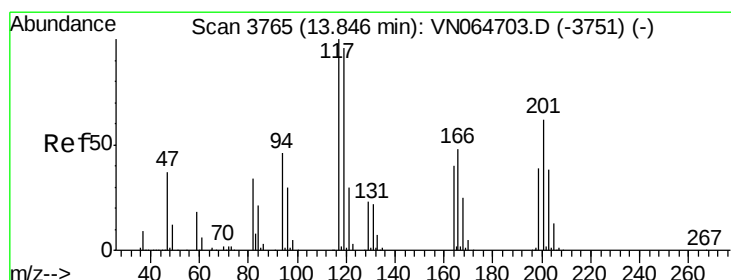
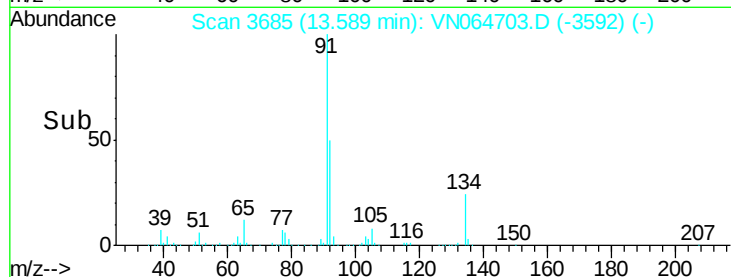
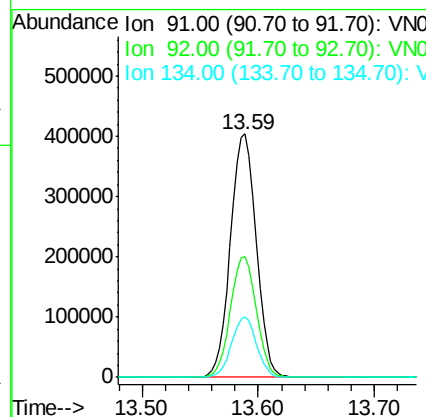
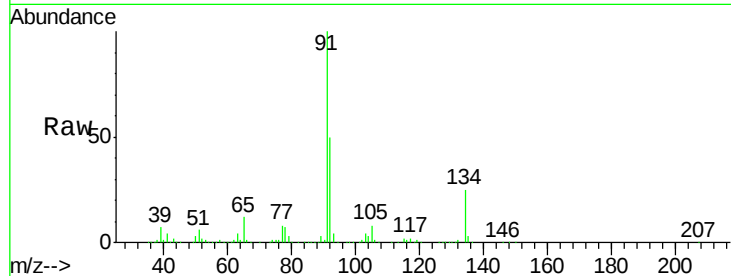
#89
n-Butylbenzene
Concen: 54.037 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064703.D
Acq: 18 Nov 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	49.9	24.9	74.8
134	24.0	12.0	36.0

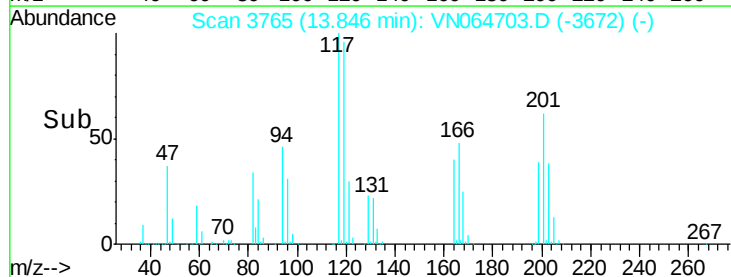
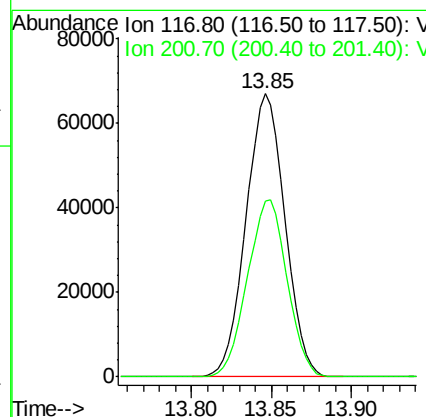
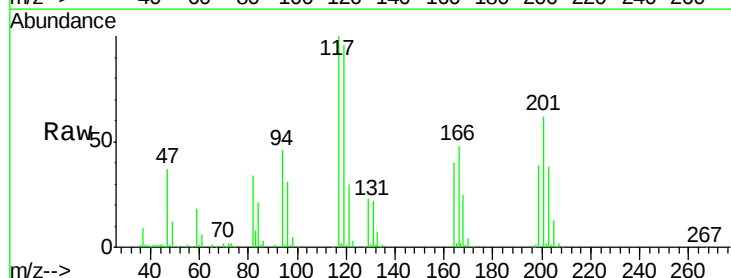
Manual Integrations
APPROVED

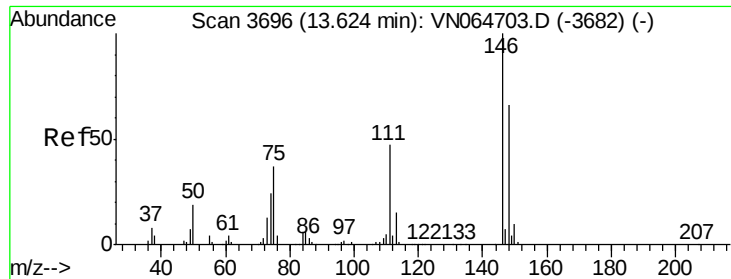
MMDadoda
11/19/2020 2:10:03 PM



#90
Hexachloroethane
Concen: 44.427 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN064703.D
Acq: 18 Nov 2020 13:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	63.7	31.9	95.5





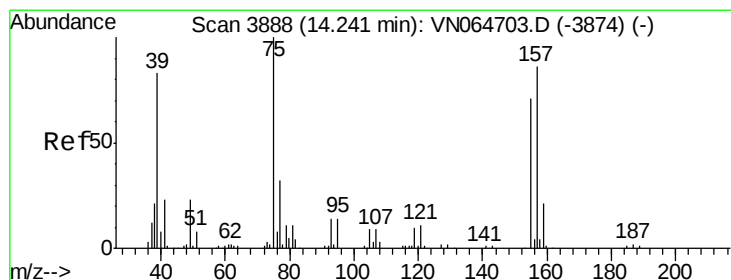
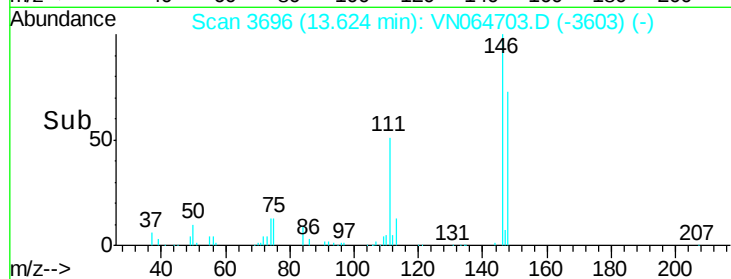
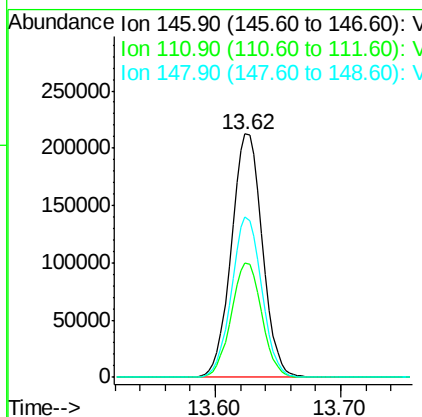
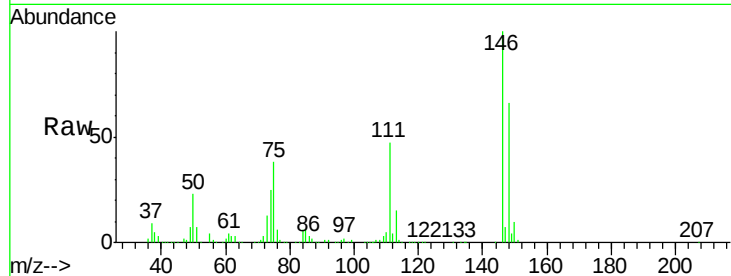
#91
 1,2-Dichlorobenzene
 Concen: 49.584 ug/l
 RT: 13.62 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN064703.D
 Acq: 18 Nov 2020 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.2	23.1	69.3
148	64.4	32.2	96.6

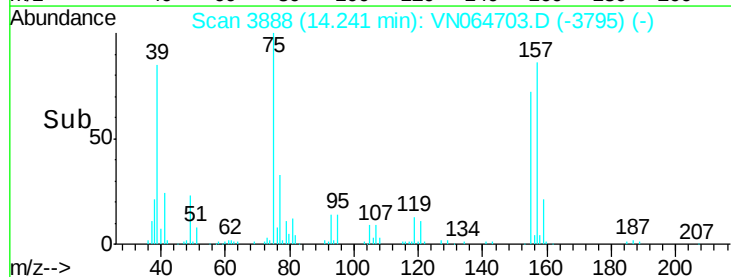
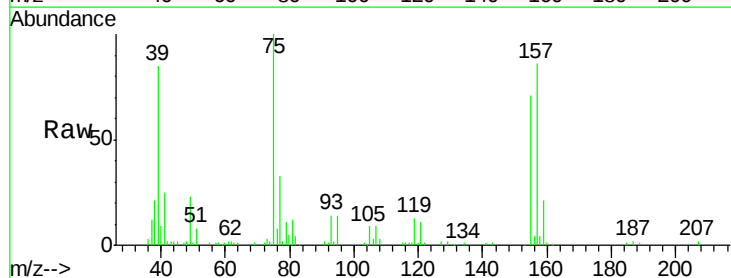
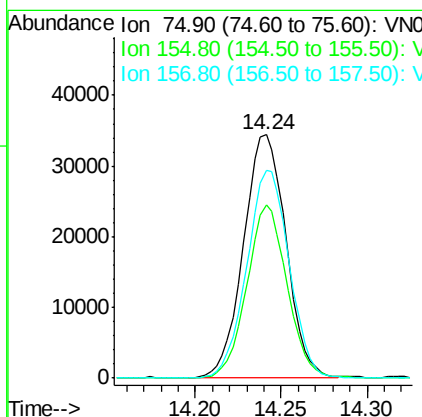
Manual Integrations
 APPROVED

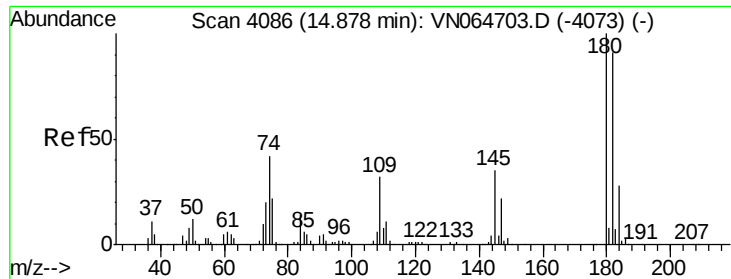
MMDadoda
 11/19/2020 2:10:03 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.009 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN064703.D
 Acq: 18 Nov 2020 13:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	67.1	33.6	100.6
157	84.8	42.4	127.2





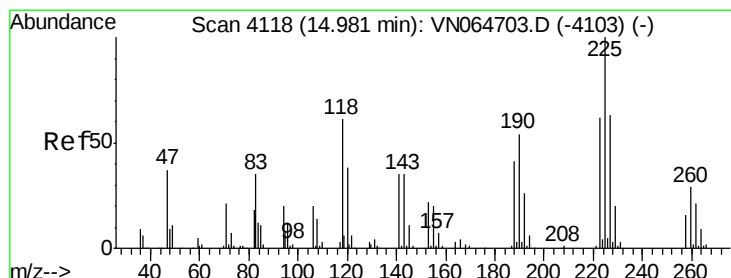
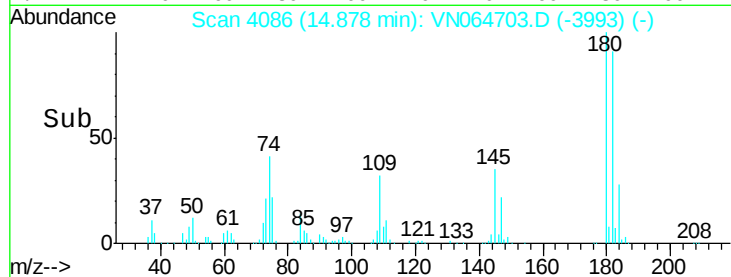
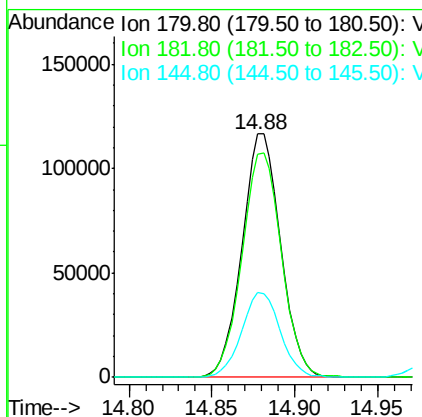
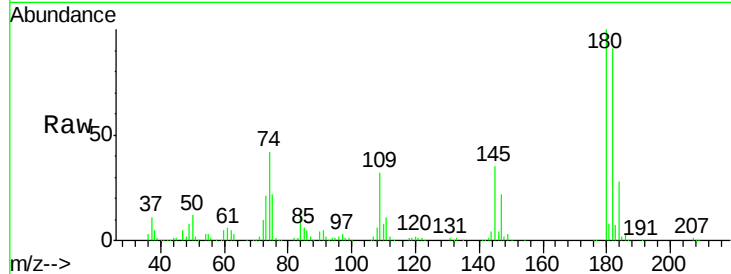
#93
 1,2,4-Trichlorobenzene
 Concen: 61.275 ug/l
 RT: 14.88 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN064703.D
 Acq: 18 Nov 2020 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.5	47.3	141.8	
145	35.0	17.5	52.5	

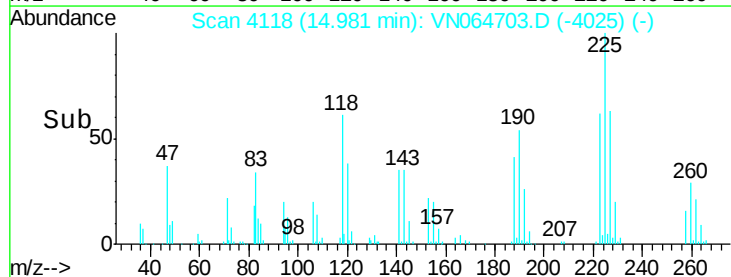
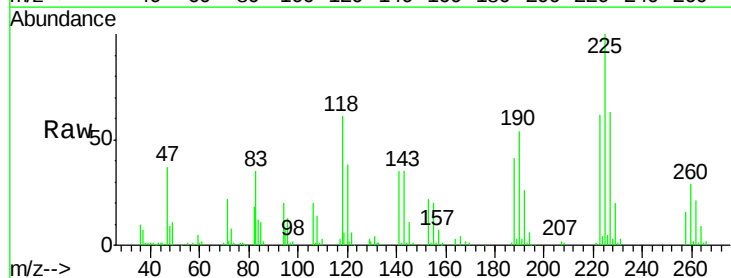
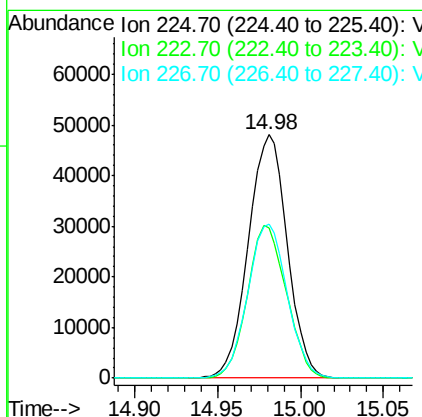
Manual Integrations
 APPROVED

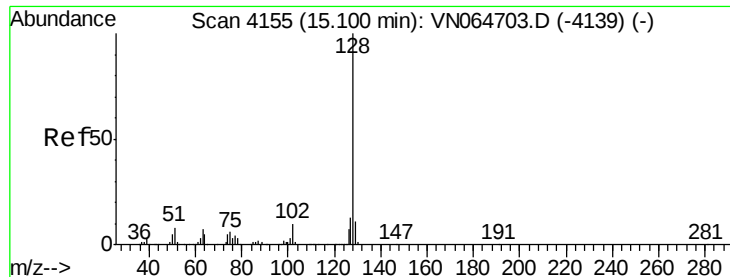
MMDadoda
 11/19/2020 2:10:03 PM



#94
 Hexachlorobutadiene
 Concen: 51.890 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064703.D
 Acq: 18 Nov 2020 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.4	31.2	93.6	
227	64.2	32.1	96.3	





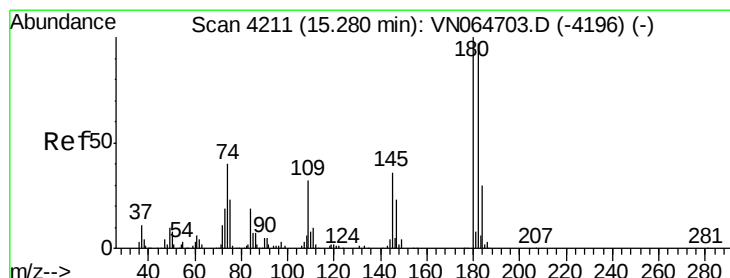
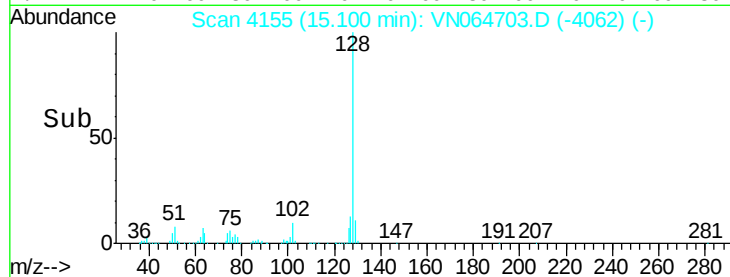
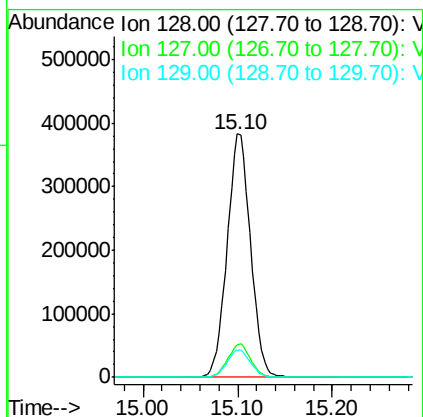
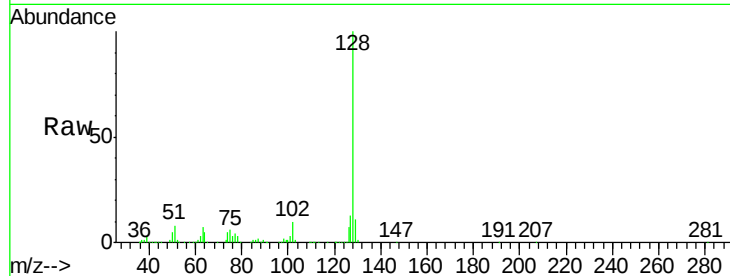
#95
Naphthalene
Concen: 64.869 ug/l
RT: 15.10 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN064703.D
Acq: 18 Nov 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.8	16.2
129	11.1	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
11/19/2020 2:10:03 PM



#96
1,2,3-Trichlorobenzene
Concen: 60.293 ug/l
RT: 15.28 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN064703.D
Acq: 18 Nov 2020 13:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.5	142.5
145	36.1	18.1	54.1

