

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101420\
 Data File : VN064118.D
 Acq On : 14 Oct 2020 17:09
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101420

Manual Integrations
 APPROVED

MMDadoda
 10/15/2020 12:17:30 PM

Quant Time: Oct 15 07:03:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101420W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 15 01:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	400824	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	649395	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	609705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	304464	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	255347	44.73	ug/l	0.00
Spiked Amount			Recovery	=	89.46%	
35) Dibromofluoromethane	7.55	113	206548	45.95	ug/l	0.00
Spiked Amount			Recovery	=	91.90%	
50) Toluene-d8	10.06	98	800869	47.22	ug/l	0.00
Spiked Amount			Recovery	=	94.44%	
62) 4-Bromofluorobenzene	12.38	95	287660	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	195433	51.750	ug/l	98
3) Chloromethane	2.04	50	222221	47.243	ug/l	97
4) Vinyl Chloride	2.16	62	280639	47.932	ug/l	97
5) Bromomethane	2.53	94	220610	50.209	ug/l	99
6) Chloroethane	2.67	64	211767	45.494	ug/l	100
7) Trichlorofluoromethane	2.98	101	393277	48.836	ug/l	97
8) Diethyl Ether	3.37	74	124019	49.225	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	201285	50.917	ug/l	99
10) Methyl Iodide	3.91	142	266940	47.897	ug/l	100
11) Tert butyl alcohol	4.72	59	155246	245.615	ug/l	99
12) 1,1-Dichloroethene	3.70	96	196332	49.179	ug/l	97
13) Acrolein	3.57	56	120932	232.935	ug/l	96
14) Allyl chloride	4.28	41	304773	48.929	ug/l	99
15) Acrylonitrile	4.93	53	439928	242.406	ug/l	99
16) Acetone	3.77	43	482532	284.972	ug/l	98
17) Carbon Disulfide	4.01	76	565208	49.534	ug/l	100
18) Methyl Acetate	4.27	43	201524	47.445	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	600868	51.028	ug/l	98
20) Methylene Chloride	4.50	84	238143	45.453	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	227356	50.232	ug/l	96
22) Diisopropyl ether	5.90	45	626230	51.752	ug/l	95
23) Vinyl Acetate	5.84	43	2891785	267.540	ug/l	99
24) 1,1-Dichloroethane	5.80	63	410334	48.559	ug/l	99
25) 2-Butanone	6.78	43	679151	260.769	ug/l	99
26) 2,2-Dichloropropane	6.78	77	371908	52.900	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	263678	49.522	ug/l	99
28) Bromochloromethane	7.15	49	188639	46.869	ug/l #	97
29) Tetrahydrofuran	7.16	42	372818	244.934	ug/l	99
30) Chloroform	7.33	83	441612	49.056	ug/l	99
31) Cyclohexane	7.61	56	306974	48.643	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	383000	49.236	ug/l	98
36) 1,1-Dichloropropene	7.75	75	318676	50.912	ug/l	97
37) Ethyl Acetate	6.88	43	284182	51.158	ug/l	99
38) Carbon Tetrachloride	7.73	117	343053	50.968	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101420\
 Data File : VN064118.D
 Acq On : 14 Oct 2020 17:09
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101420

Manual Integrations
 APPROVED

MMDadoda
 10/15/2020 12:17:30 PM

Quant Time: Oct 15 07:03:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101420W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 15 01:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	298117	56.653	ug/l	99
40) Benzene	8.00	78	979684	51.685	ug/l	98
41) Methacrylonitrile	7.13	41	143744	59.770	ug/l #	81
42) 1,2-Dichloroethane	8.08	62	343206	50.887	ug/l	99
43) Isopropyl Acetate	8.13	43	478320	51.889	ug/l #	91
44) Trichloroethene	8.80	130	259882	52.140	ug/l	95
45) 1,2-Dichloropropane	9.08	63	253660	51.077	ug/l	97
46) Dibromomethane	9.17	93	178416	50.638	ug/l	99
47) Bromodichloromethane	9.37	83	353793	51.323	ug/l	99
48) Methyl methacrylate	9.17	41	228233	53.601	ug/l	99
49) 1,4-Dioxane	9.16	88	65011	1005.483	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	1444897	264.895	ug/l	99
52) Toluene	10.12	92	629163	54.020	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	392918	55.552	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	422725	54.393	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	249227	51.653	ug/l	99
56) Ethyl methacrylate	10.40	69	344640	49.329	ug/l	98
57) 1,3-Dichloropropane	10.68	76	407787	51.320	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	876855	246.786	ug/l	99
59) 2-Hexanone	10.72	43	1080566	256.118	ug/l	100
60) Dibromochloromethane	10.87	129	281580	51.952	ug/l	99
61) 1,2-Dibromoethane	10.98	107	262379	53.426	ug/l	100
64) Tetrachloroethene	10.60	164	240780	52.380	ug/l	96
65) Chlorobenzene	11.41	112	684012	53.274	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	261973	53.742	ug/l	99
67) Ethyl Benzene	11.48	91	1207448	56.139	ug/l	98
68) m/p-Xylenes	11.59	106	934725	105.303	ug/l	99
69) o-Xylene	11.92	106	436039	51.349	ug/l	99
70) Styrene	11.94	104	749371	51.172	ug/l	100
71) Bromoform	12.10	173	201742	49.959	ug/l	99
73) Isopropylbenzene	12.22	105	1161671	52.674	ug/l	100
74) N-amyl acetate	12.05	43	427987	51.821	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	353808	46.597	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	309567m	43.339	ug/l	
77) Bromobenzene	12.50	156	299885	50.088	ug/l	100
78) n-propylbenzene	12.57	91	1324428	53.806	ug/l	100
79) 2-Chlorotoluene	12.65	91	785552	50.178	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	963378	54.423	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	121197	51.838	ug/l	100
82) 4-Chlorotoluene	12.75	91	845399	53.580	ug/l	100
83) tert-Butylbenzene	12.97	119	790075	53.967	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	978843	53.041	ug/l	99
85) sec-Butylbenzene	13.15	105	1048218	55.697	ug/l	99
86) p-Isopropyltoluene	13.26	119	956049	53.660	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	538353	53.967	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	536548	52.587	ug/l	100
89) n-Butylbenzene	13.59	91	813082	59.290	ug/l	99
90) Hexachloroethane	13.85	117	156783	50.057	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	528430	53.222	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	66879	45.763	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101420\
Data File : VN064118.D
Acq On : 14 Oct 2020 17:09
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101420

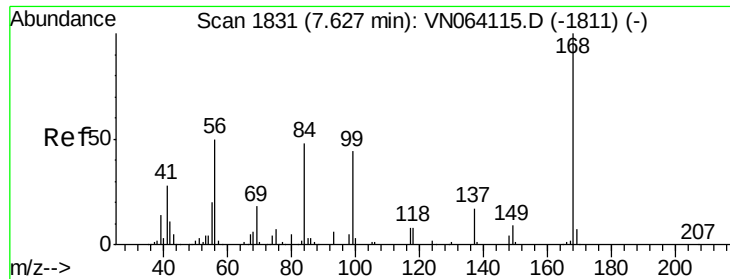
Manual Integrations
APPROVED

MMDadoda
10/15/2020 12:17:30 PM

Quant Time: Oct 15 07:03:33 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101420W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 15 01:16:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	253294	51.829	ug/l	97
94) Hexachlorobutadiene	14.98	225	132577	56.052	ug/l	99
95) Naphthalene	15.10	128	722081	48.572	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	250455	51.454	ug/l	99

(#) = 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: VN064118.D

Acq: 14 Oct 2020 17:09

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101420

Tot Ion:168 Resp: 400824

Ion Ratio Lower Upper

168 100

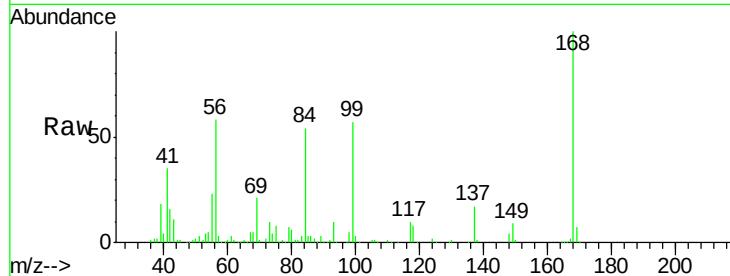
99 56.3 43.6 65.4

Manual Integrations

APPROVED

MMDadoda

10/15/2020 12:17:30 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

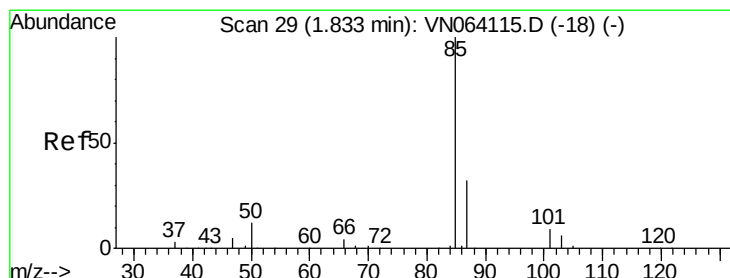
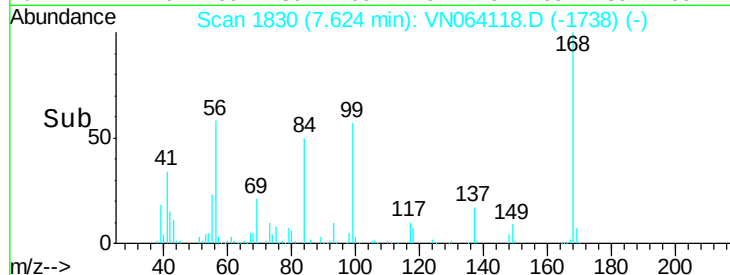
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 51.750 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064118.D

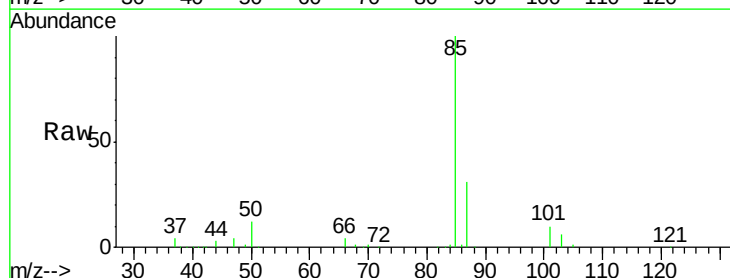
Acq: 14 Oct 2020 17:09

Tgt Ion: 85 Resp: 195433

Ion Ratio Lower Upper

85 100

87 31.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

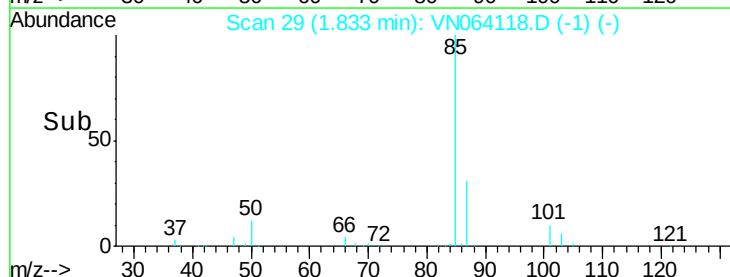
150000

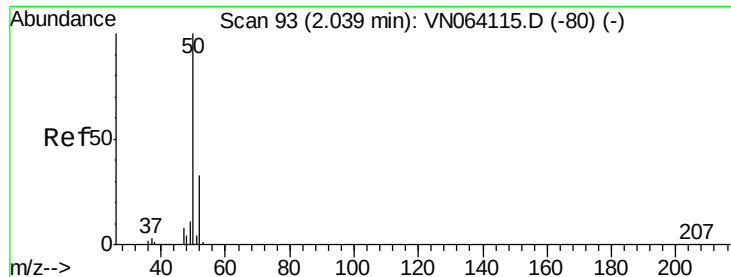
100000

50000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 47.243 ug/l

RT: 2.04 min Scan# 92

Delta R.T. -0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101420

Tot Ion: 50 Resp: 222221

Ion Ratio Lower Upper

50 100

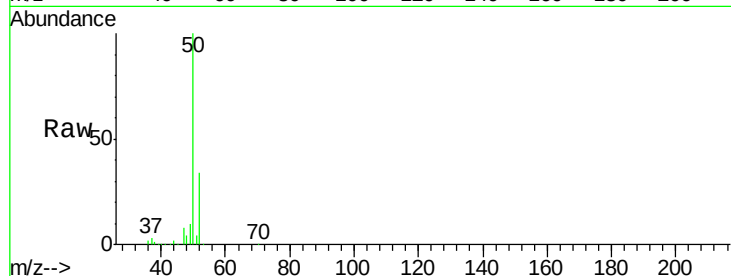
52 34.0 26.1 39.1

Manual Integrations

APPROVED

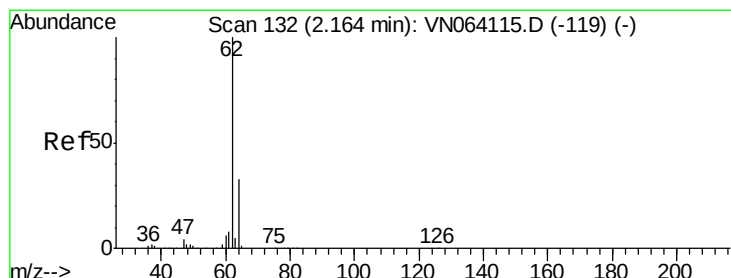
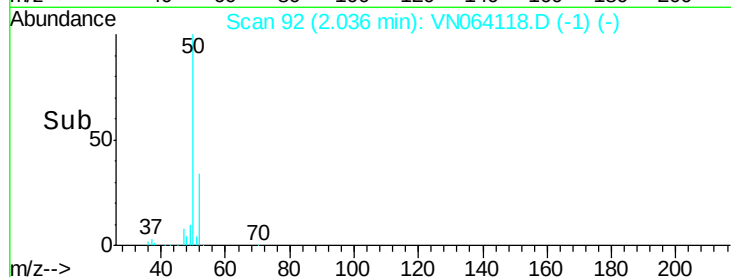
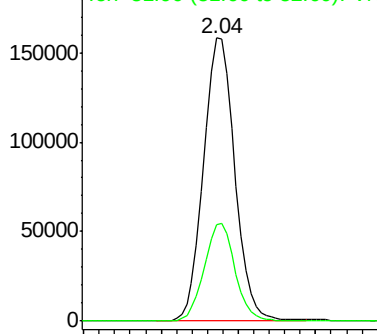
MMDadoda

10/15/2020 12:17:30 PM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 47.932 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064118.D

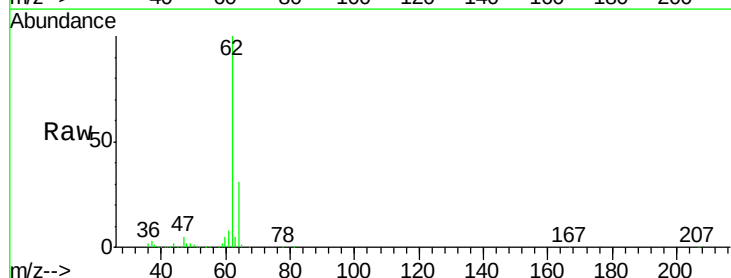
Acq: 14 Oct 2020 17:09

Tgt Ion: 62 Resp: 280639

Ion Ratio Lower Upper

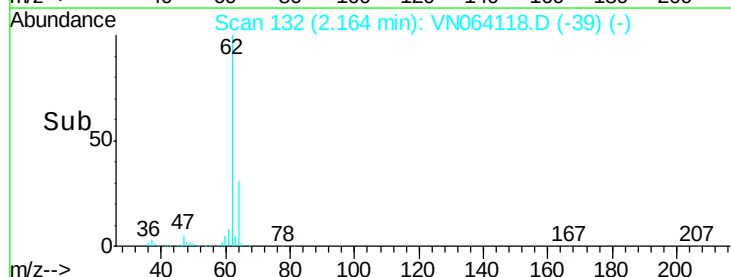
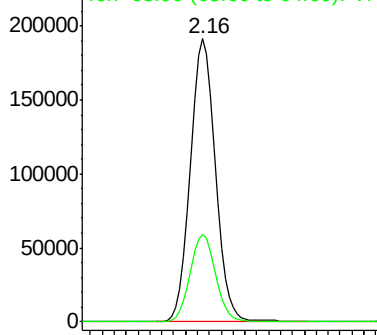
62 100

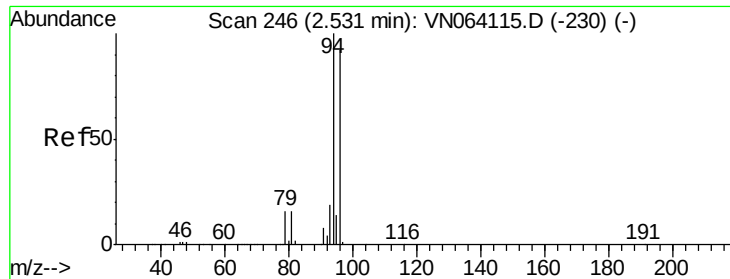
64 31.0 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 50.209 ug/l

RT: 2.53 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101420

Tot Ion: 94 Resp: 220610

Ion Ratio Lower Upper

94 100

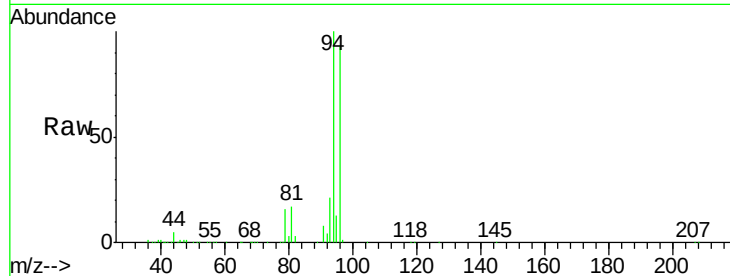
96 92.9 73.5 110.3

Manual Integrations

APPROVED

MMDadoda

10/15/2020 12:17:30 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.53

120000

100000

80000

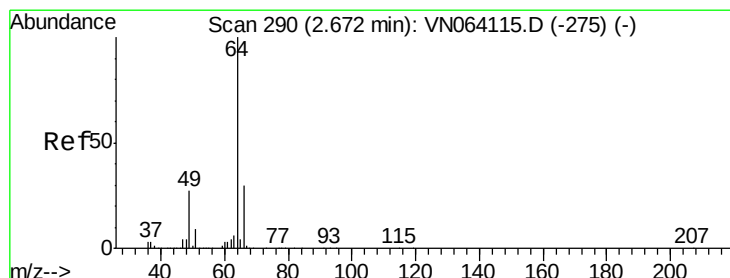
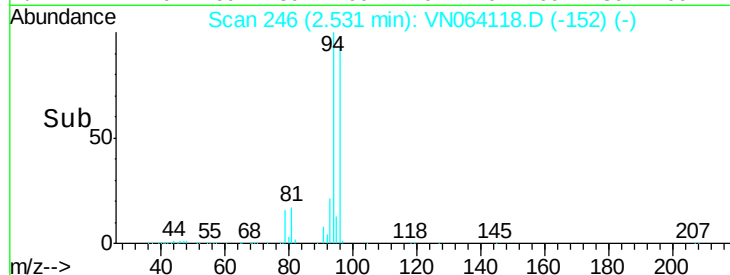
60000

40000

20000

0

Time--> 2.40 2.50 2.60



#6

Chloroethane

Concen: 45.494 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN064118.D

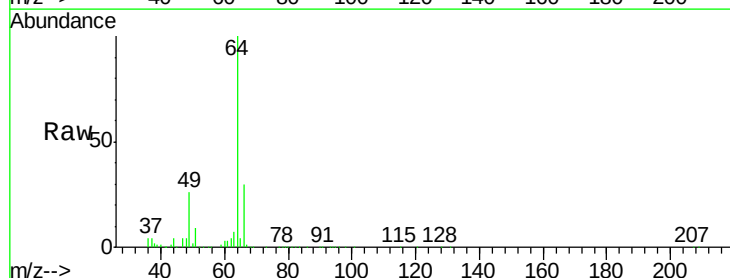
Acq: 14 Oct 2020 17:09

Tgt Ion: 64 Resp: 211767

Ion Ratio Lower Upper

64 100

66 30.1 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.67

120000

100000

80000

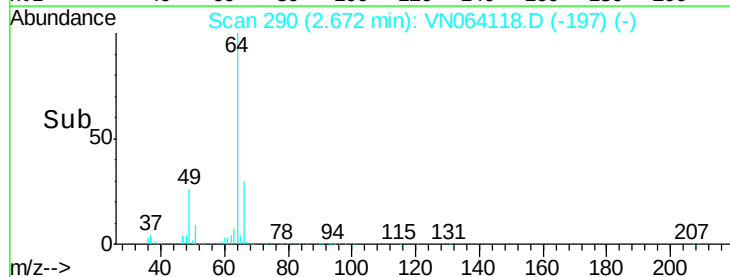
60000

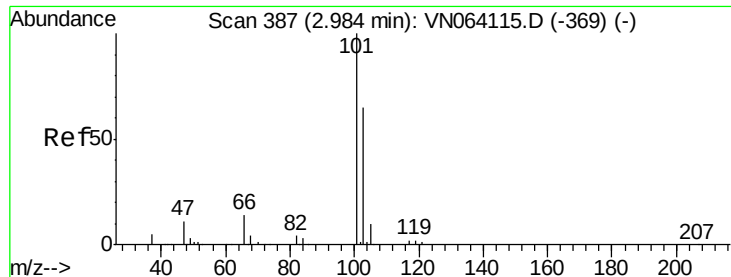
40000

20000

0

Time--> 2.55 2.60 2.65 2.70 2.75





#7

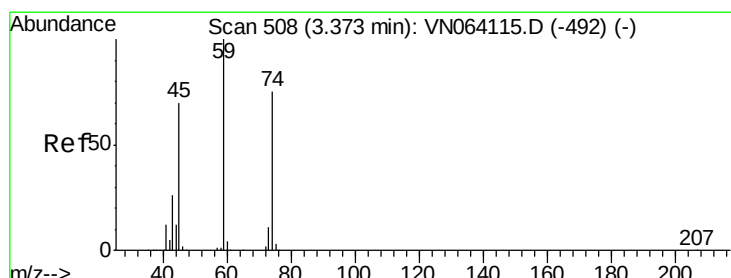
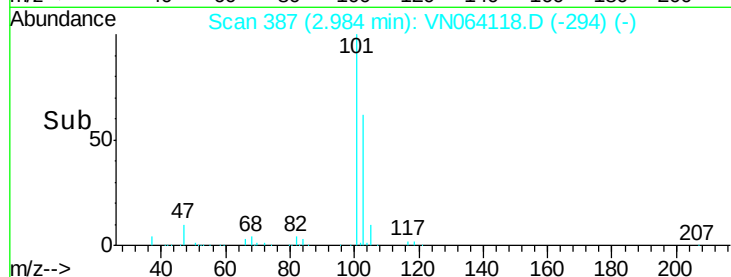
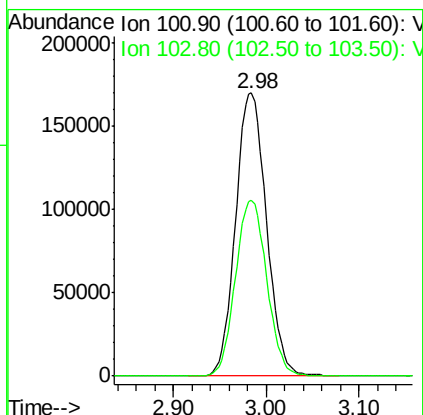
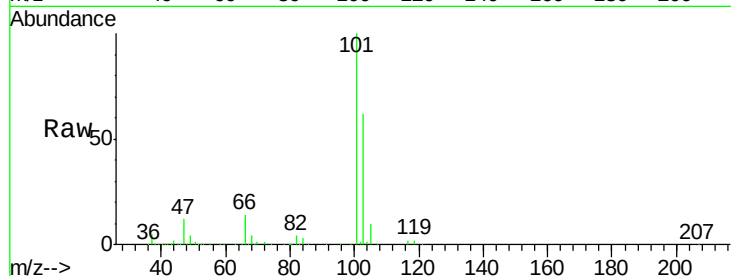
Trichlorofluoromethane
Concen: 48.836 ug/l
RT: 2.98 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101420

Tot Ion	Ratio	Resp	Lower	Upper
101	100	393277		
103	62.0	51.8	77.6	

Manual Integrations
APPROVED

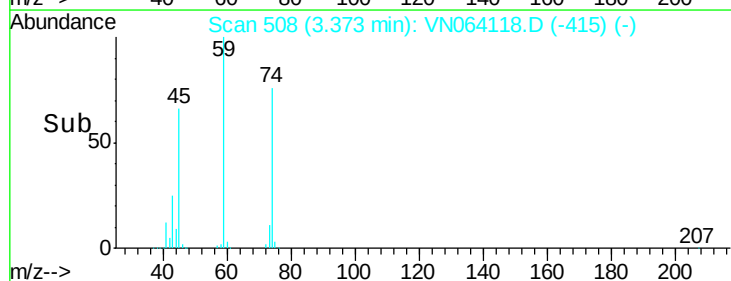
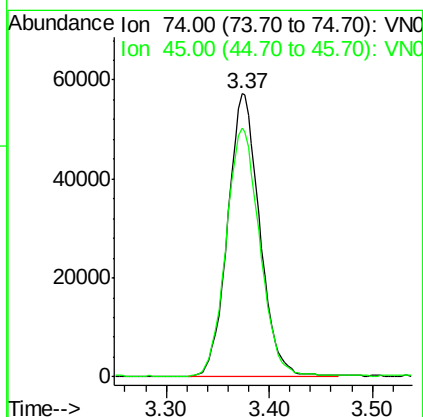
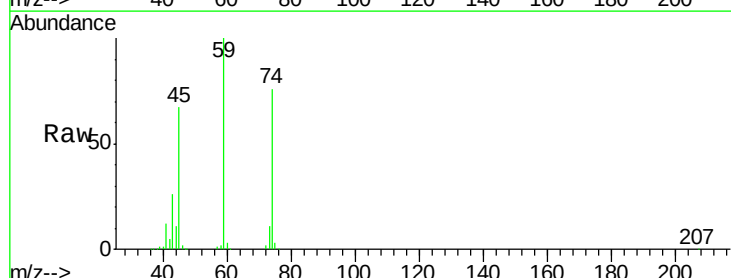
MMDadoda
10/15/2020 12:17:30 PM

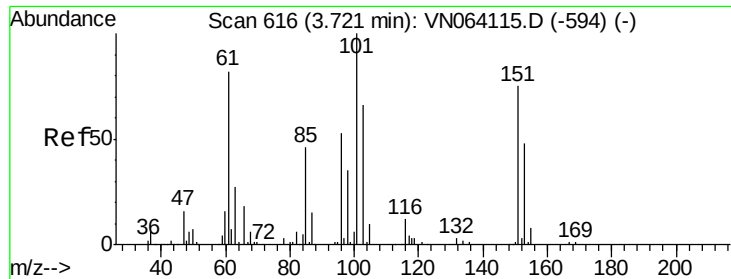


#8

Diethyl Ether
Concen: 49.225 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	124019		
45	92.6	47.0	141.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.917 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Instrument :

MSVOA_N

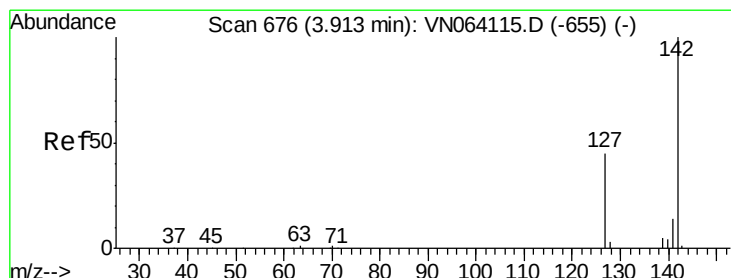
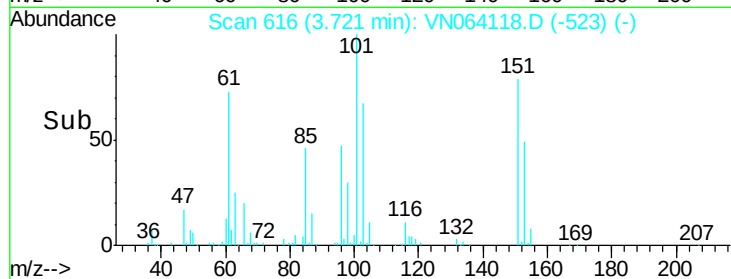
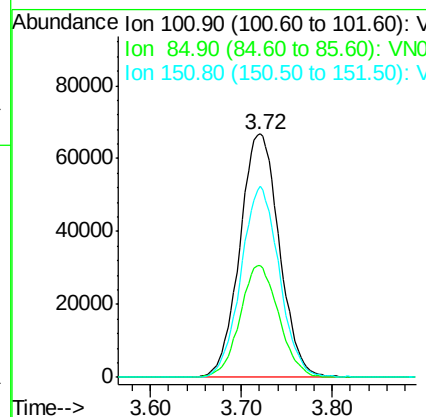
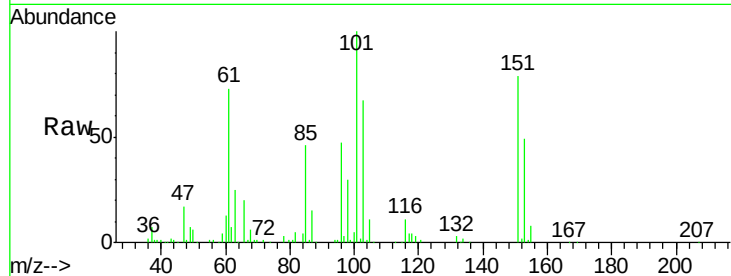
ClientSampleId :

ICVVN101420

Tot Ion:	101	Resp:	201285
Ion Ratio	Lower	Upper	
101	100		
85	45.2	36.9	55.3
151	76.1	60.7	91.1

Manual Integrations
APPROVED

MMDadoda
10/15/2020 12:17:30 PM



#10

Methyl Iodide

Concen: 47.897 ug/l

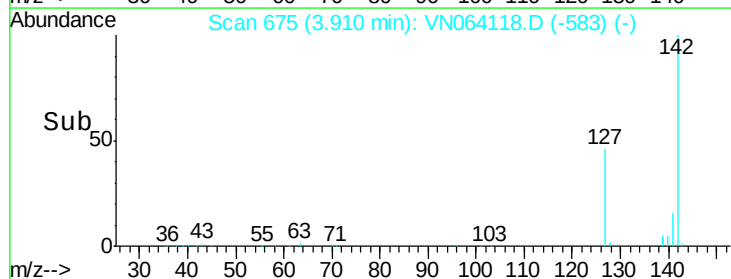
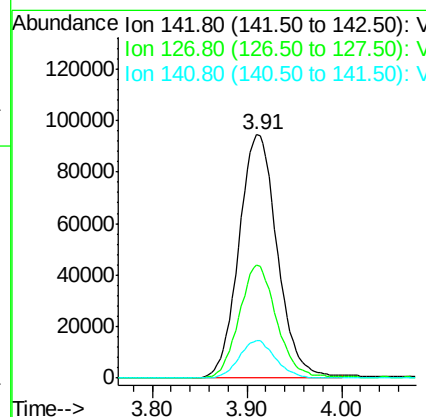
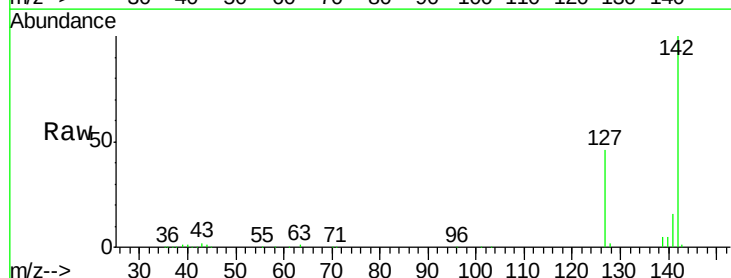
RT: 3.91 min Scan# 675

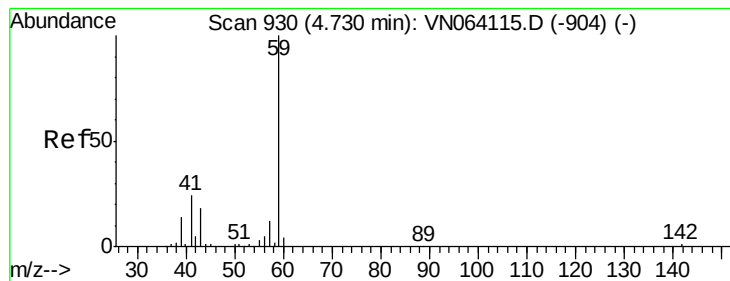
Delta R.T. -0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Tgt Ion:	142	Resp:	266940
Ion Ratio	Lower	Upper	
142	100		
127	45.4	36.3	54.5
141	14.7	11.6	17.4





#11

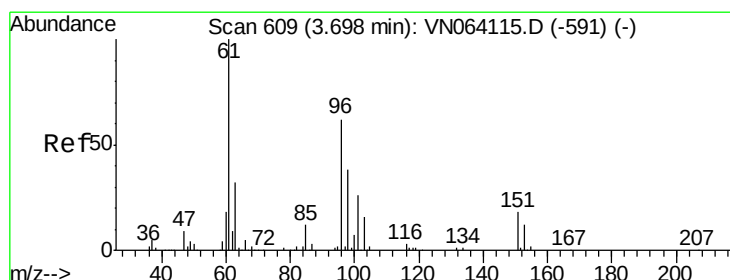
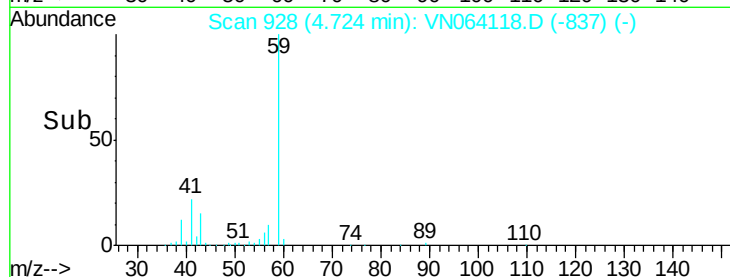
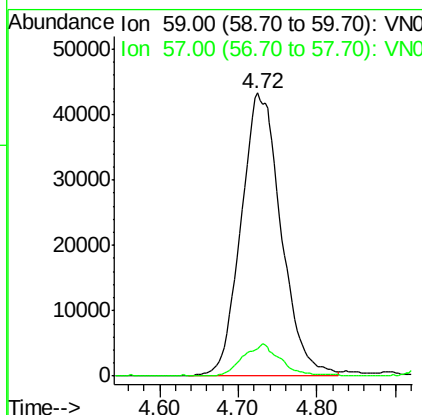
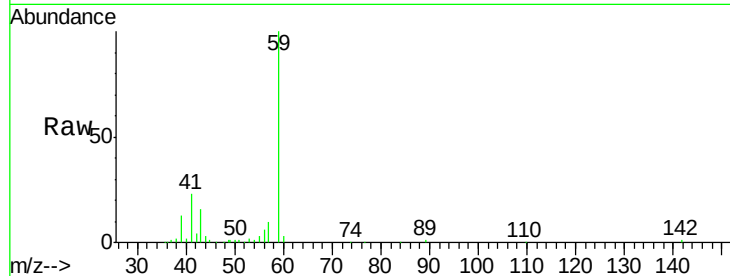
Tert butyl alcohol
Concen: 245.615 ug/l
RT: 4.72 min Scan# 928
Delta R.T. -0.01 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101420

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.9	13.3

Manual Integrations
APPROVED

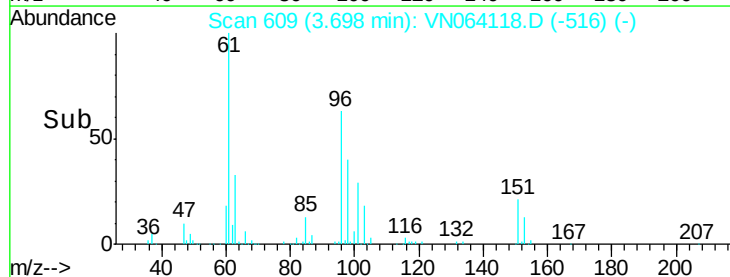
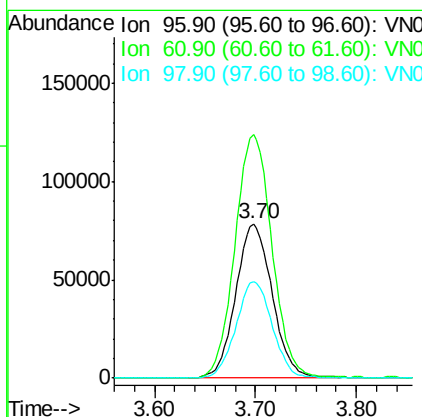
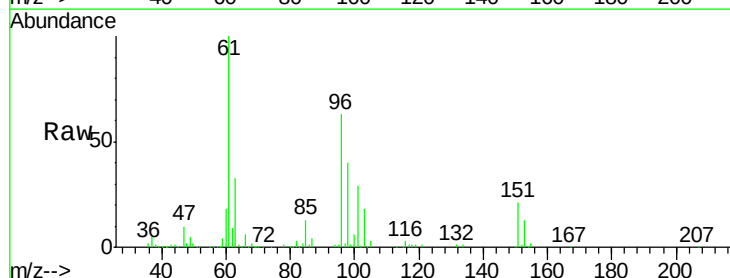
MMDadoda
10/15/2020 12:17:30 PM

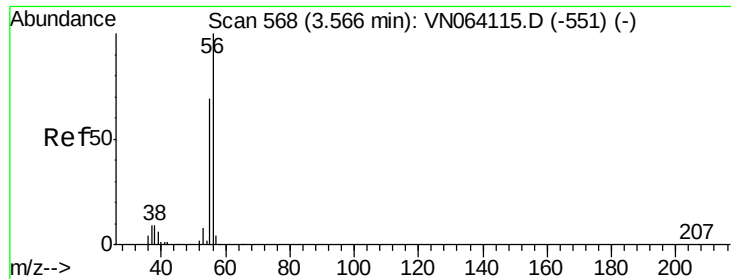


#12

1,1-Dichloroethene
Concen: 49.179 ug/l
RT: 3.70 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.9	129.9	194.9
98	62.7	48.9	73.3





#13

Acrolein

Concen: 232.935 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Instrument :

MSVOA_N

ClientSampled :

ICVVN101420

Tot Ion: 56 Resp: 120932

Ion Ratio Lower Upper

56 100

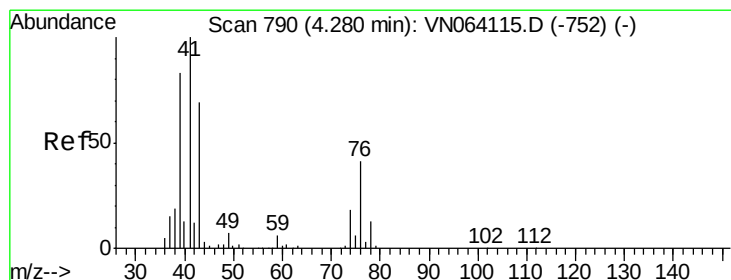
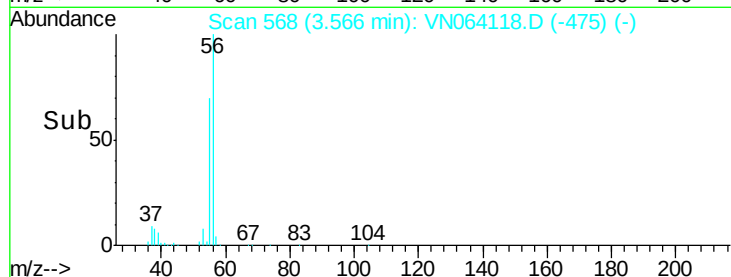
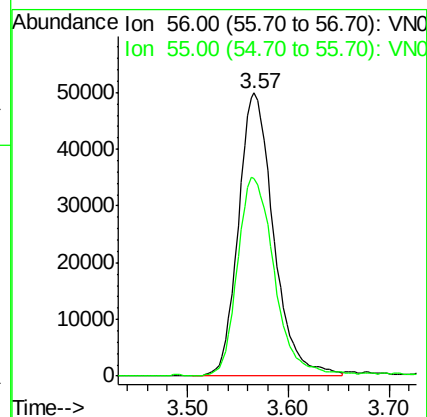
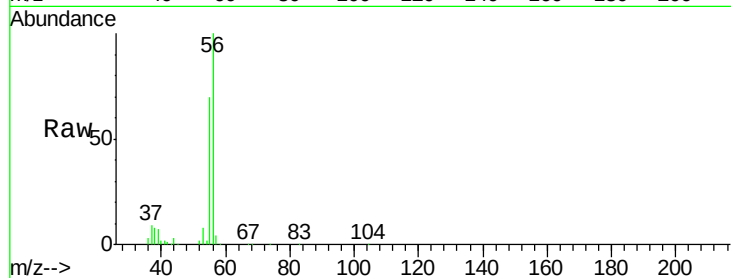
55 73.2 55.8 83.6

Manual Integrations

APPROVED

MMDadoda

10/15/2020 12:17:30 PM



#14

Allyl chloride

Concen: 48.929 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

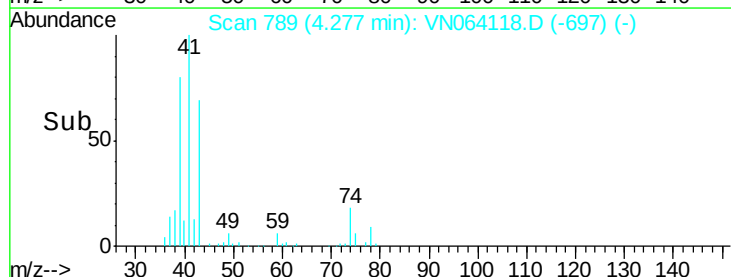
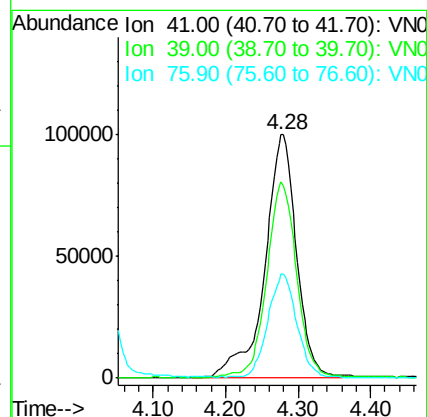
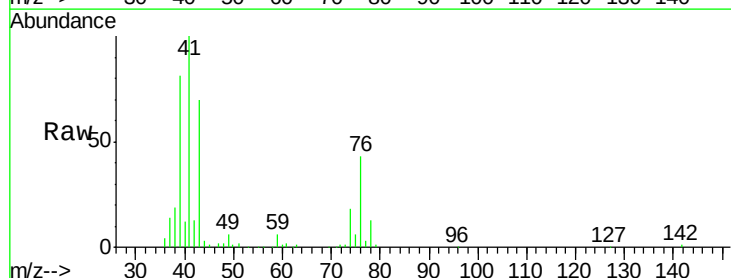
Tgt Ion: 41 Resp: 304773

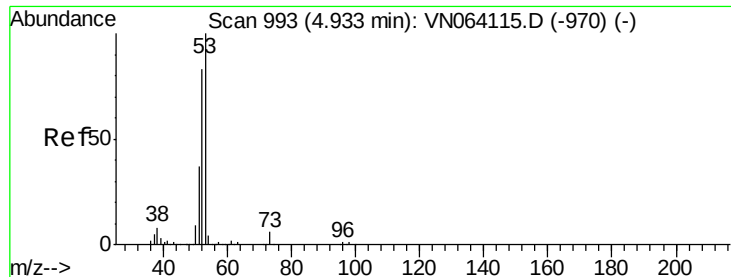
Ion Ratio Lower Upper

41 100

39 75.7 60.5 90.7

76 38.1 29.5 44.3





#15

Acrylonitrile

Concen: 242.406 ug/l

RT: 4.93 min Scan# 991

Delta R.T. -0.01 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Instrument :

MSVOA_N

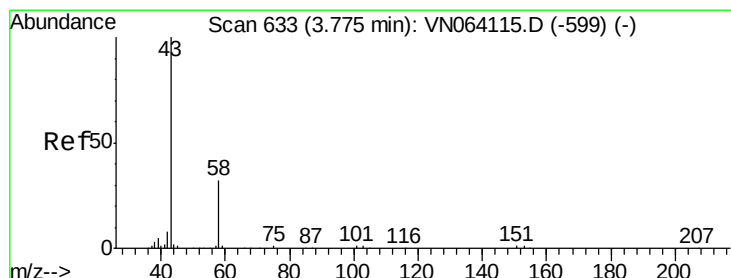
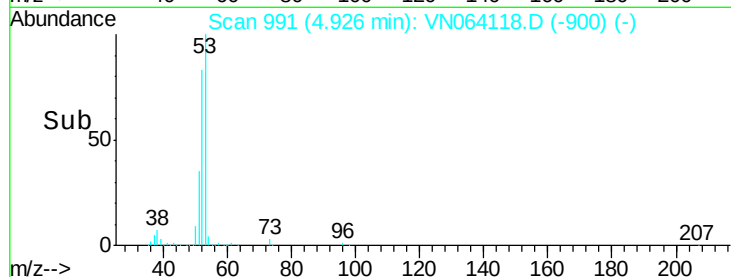
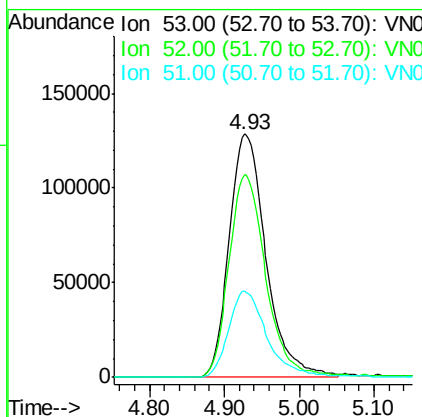
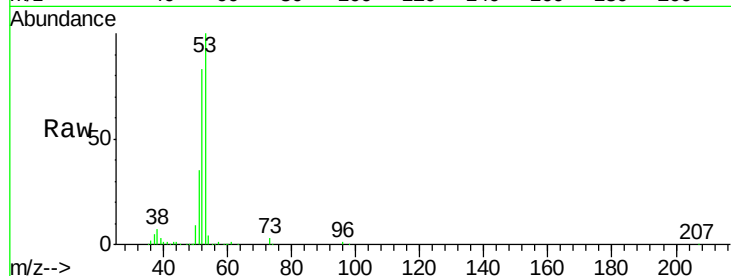
ClientSampleId :

ICVVN101420

Tot Ion:	53	Resp:	439928
Ion	Ratio	Lower	Upper
53	100		
52	83.6	65.8	98.6
51	36.8	29.4	44.2

Manual Integrations
APPROVED

MMDadoda
10/15/2020 12:17:30 PM



#16

Acetone

Concen: 284.972 ug/l

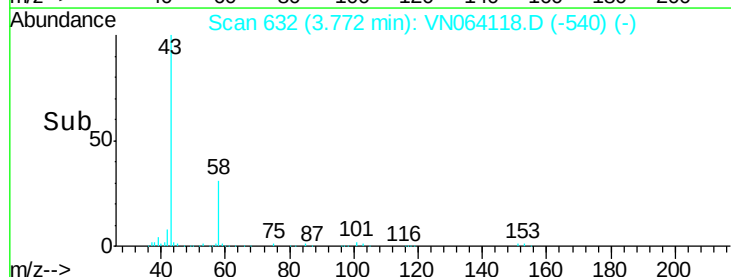
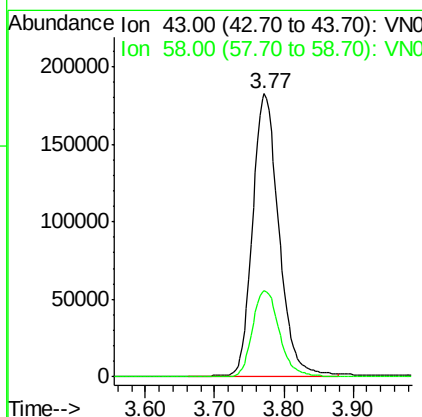
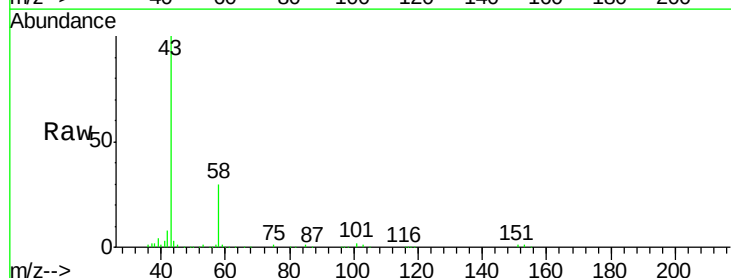
RT: 3.77 min Scan# 632

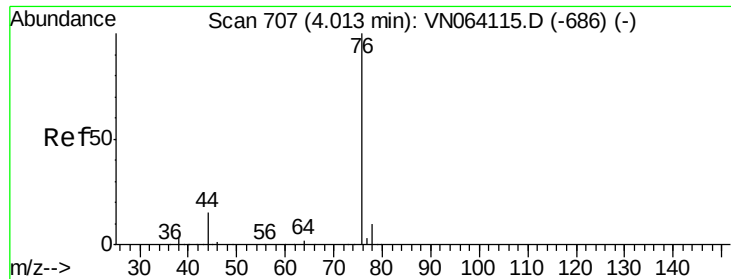
Delta R.T. -0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Tgt Ion:	43	Resp:	482532
Ion	Ratio	Lower	Upper
43	100		
58	30.4	25.2	37.8





#17

Carbon Disulfide

Concen: 49.534 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101420

Tot Ion: 76 Resp: 565208

Ion Ratio Lower Upper

76 100

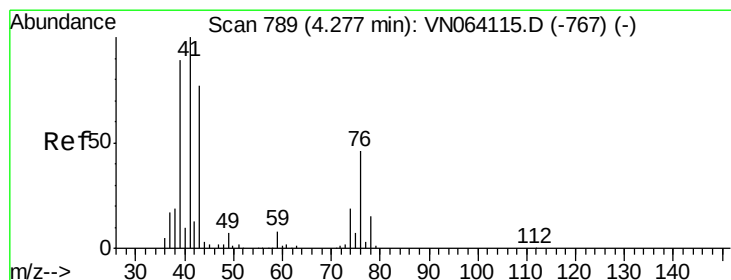
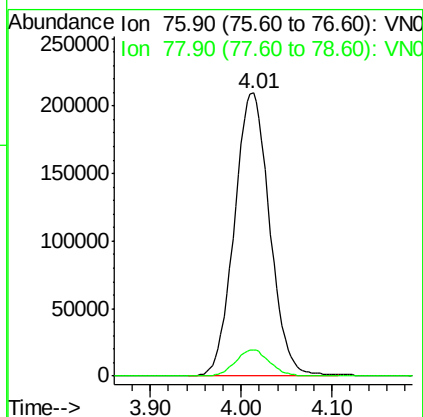
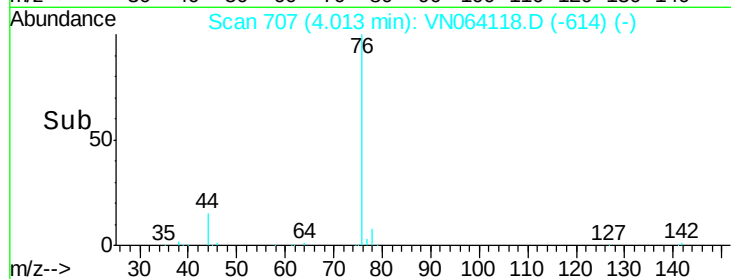
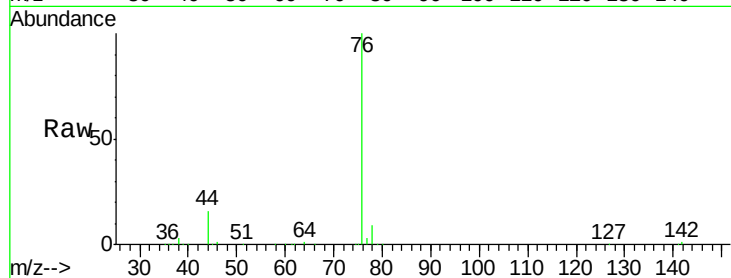
78 9.3 7.6 11.4

Manual Integrations

APPROVED

MMDadoda

10/15/2020 12:17:30 PM



#18

Methyl Acetate

Concen: 47.445 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN064118.D

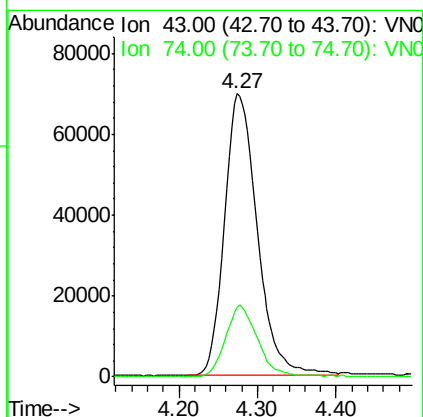
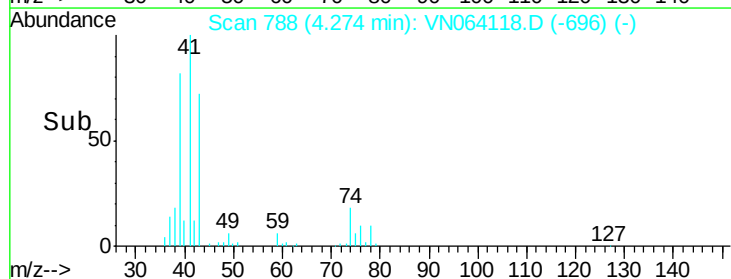
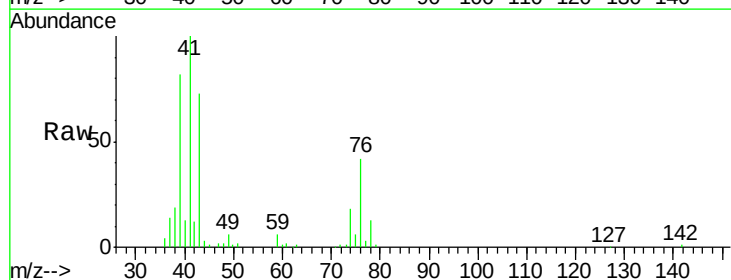
Acq: 14 Oct 2020 17:09

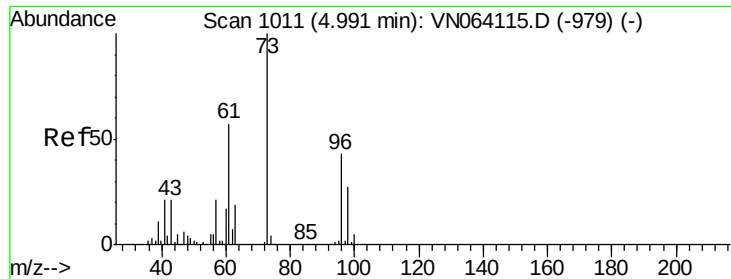
Tgt Ion: 43 Resp: 201524

Ion Ratio Lower Upper

43 100

74 24.6 19.7 29.5





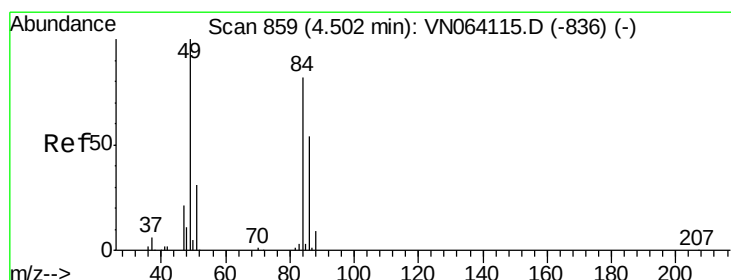
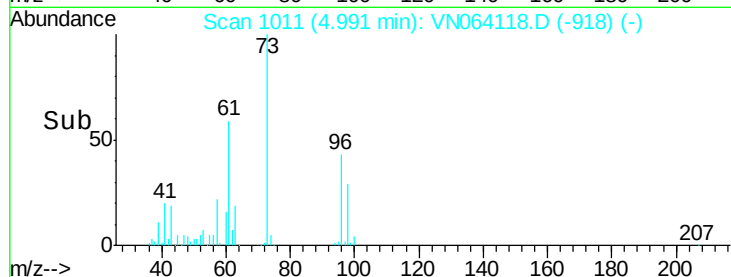
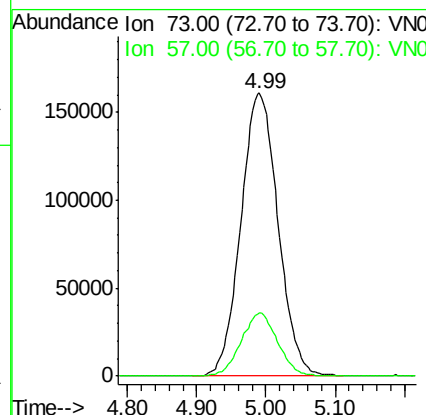
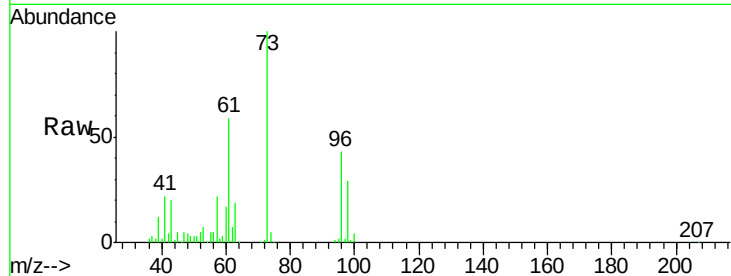
#19
Methyl tert-butyl Ether
Concen: 51.028 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101420

Tot Ion: 73 Resp: 600868
Ion Ratio Lower Upper
73 100
57 22.2 17.0 25.4

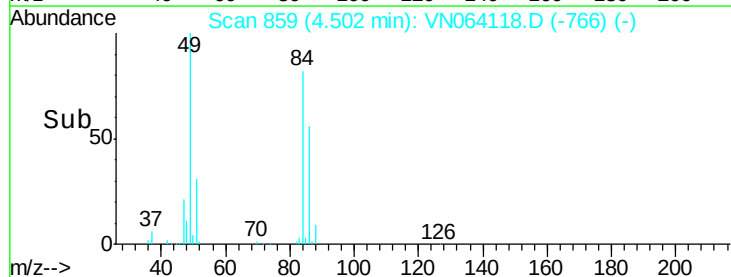
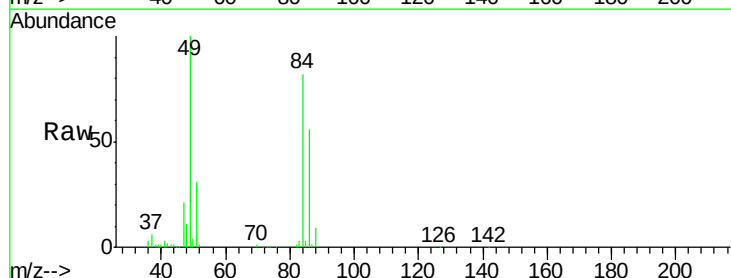
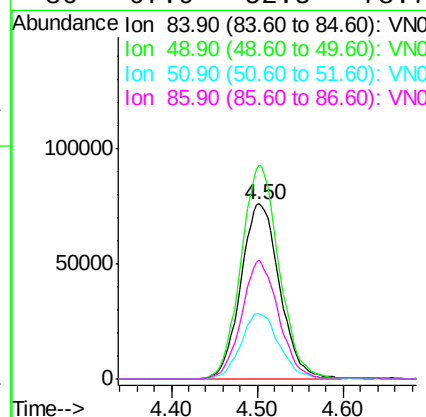
Manual Integrations
APPROVED

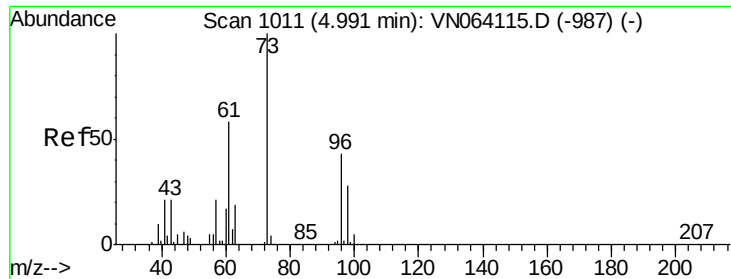
MMDadoda
10/15/2020 12:17:30 PM



#20
Methylene Chloride
Concen: 45.453 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Tgt Ion: 84 Resp: 238143
Ion Ratio Lower Upper
84 100
49 121.9 97.4 146.0
51 37.5 29.7 44.5
86 67.9 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 50.232 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101420

Tot Ion: 96 Resp: 227356

Ion Ratio Lower Upper

96 100

61 139.8 107.0 160.4

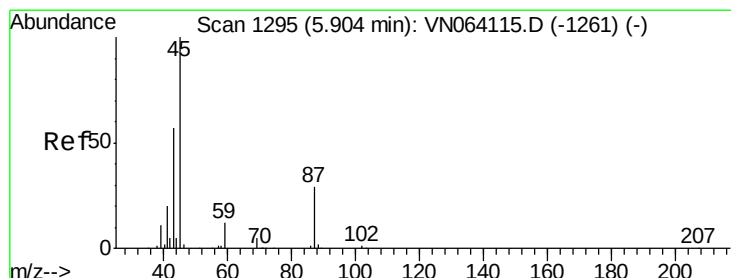
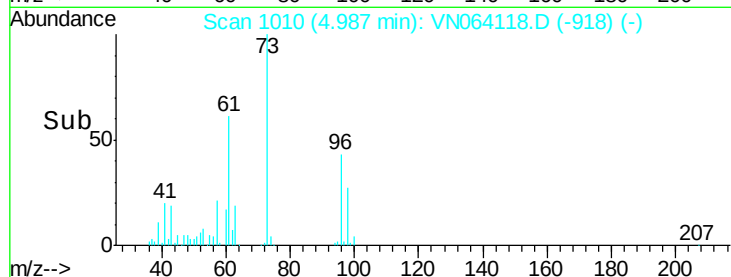
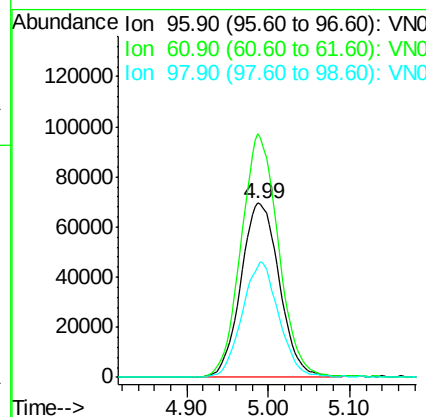
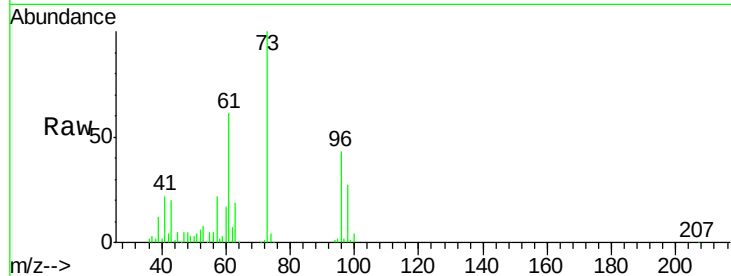
98 63.4 51.0 76.6

Manual Integrations

APPROVED

MMDadoda

10/15/2020 12:17:30 PM



#22

Diisopropyl ether

Concen: 51.752 ug/l

RT: 5.90 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Tgt Ion: 45 Resp: 626230

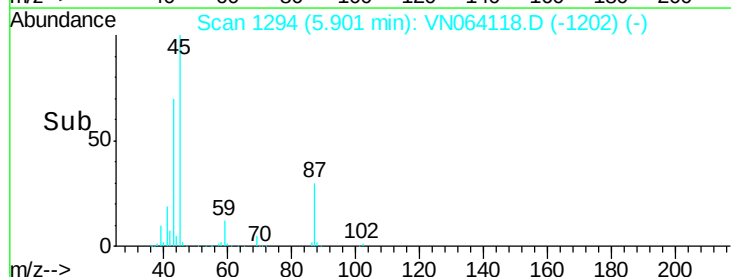
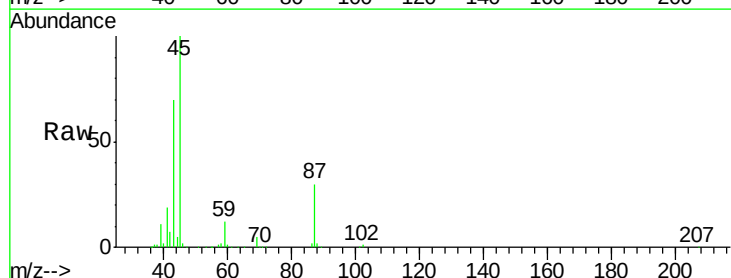
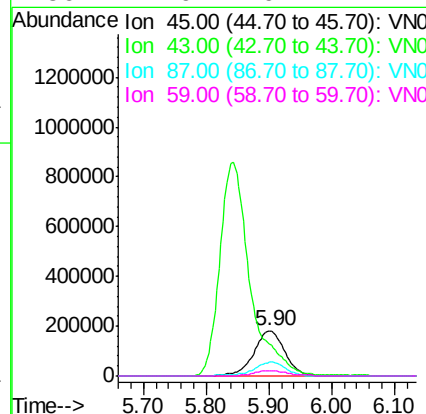
Ion Ratio Lower Upper

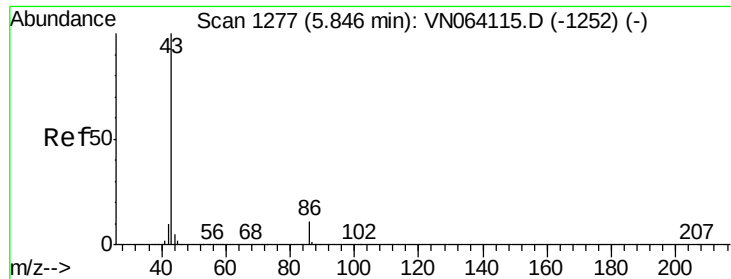
45 100

43 69.8 50.9 76.3

87 30.1 23.5 35.3

59 11.9 9.4 14.2





#23

Vinyl Acetate

Concen: 267.540 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101420

Tot Ion: 43 Resp: 2891785

Ion Ratio Lower Upper

43 100

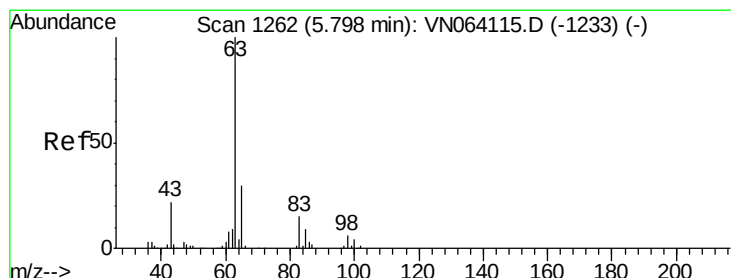
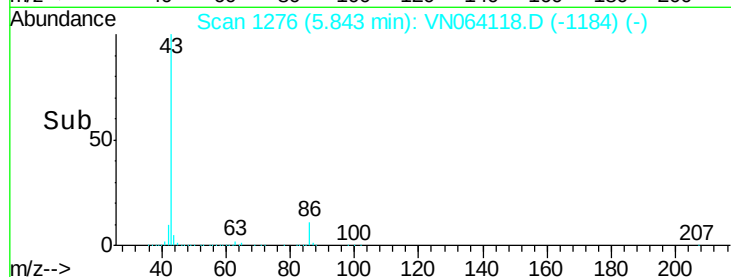
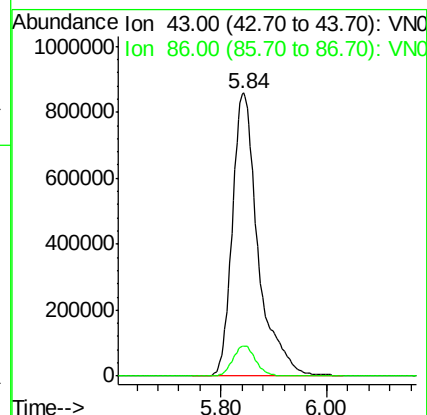
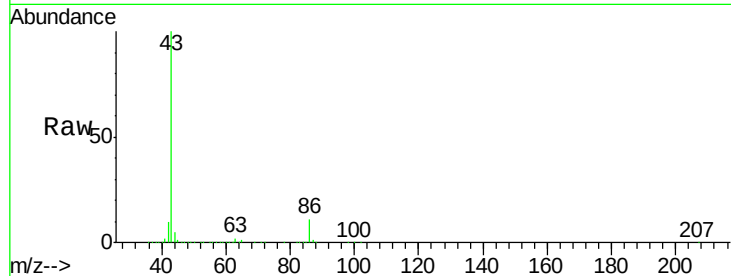
86 10.8 8.8 13.2

Manual Integrations

APPROVED

MMDadoda

10/15/2020 12:17:30 PM



#24

1,1-Dichloroethane

Concen: 48.559 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

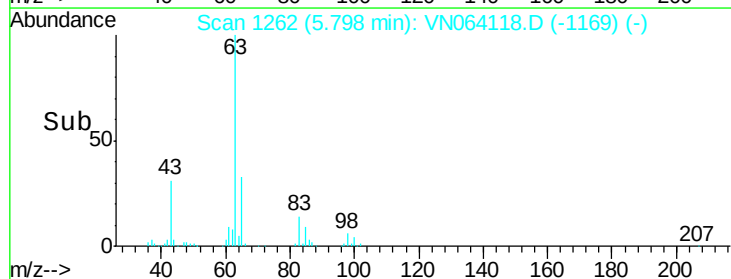
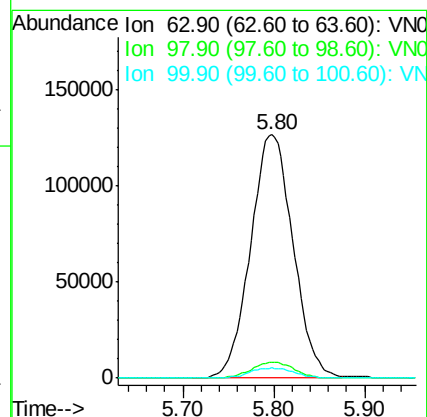
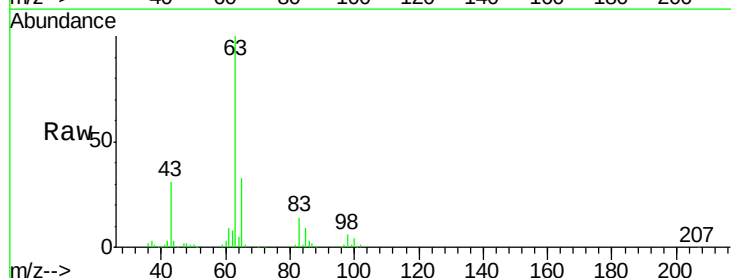
Tgt Ion: 63 Resp: 410334

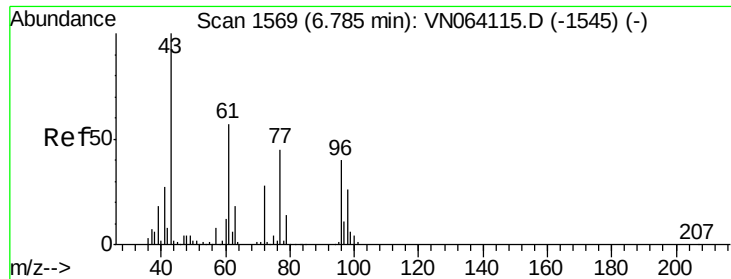
Ion Ratio Lower Upper

63 100

98 6.5 3.1 9.3

100 4.2 2.1 6.2





#25

2-Butanone

Concen: 260.769 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101420

Tot Ion: 43 Resp: 679151

Ion Ratio Lower Upper

43 100

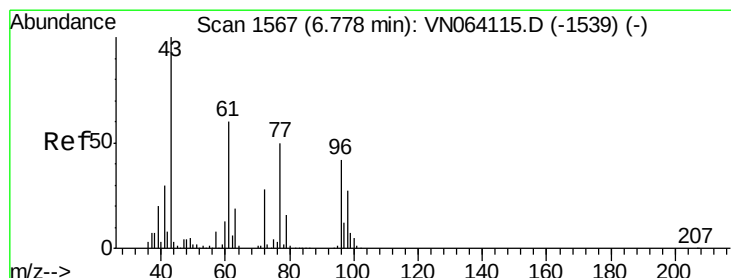
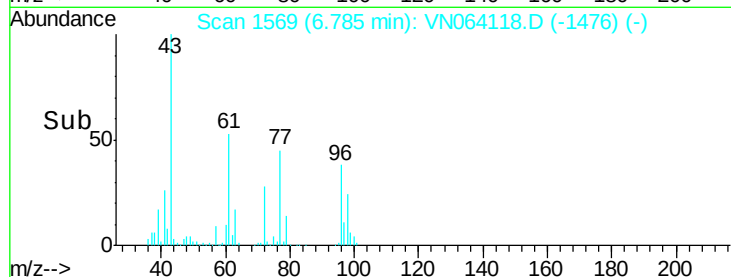
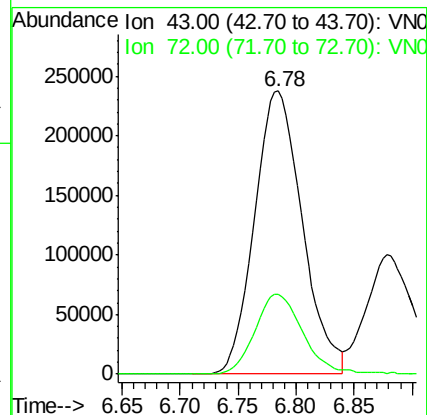
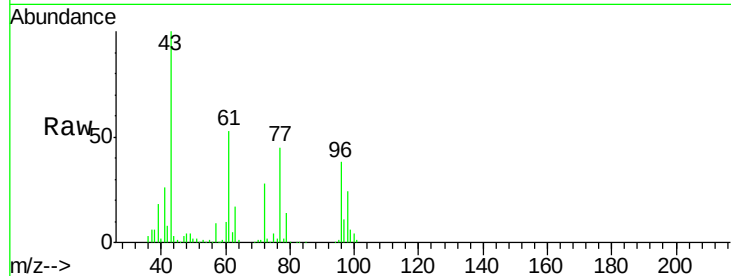
72 28.0 22.2 33.2

Manual Integrations

APPROVED

MMDadoda

10/15/2020 12:17:30 PM



#26

2,2-Dichloropropane

Concen: 52.900 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN064118.D

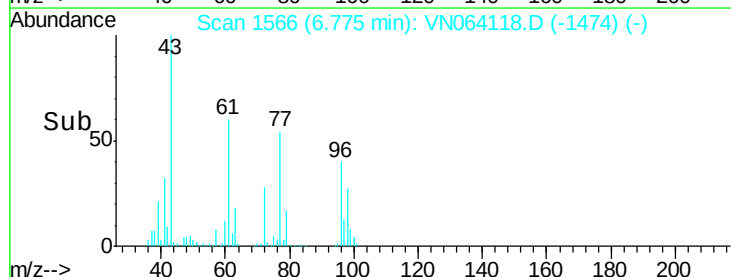
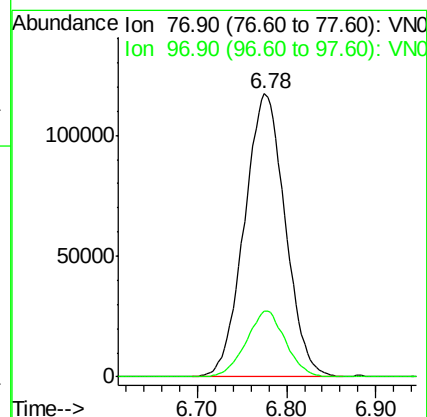
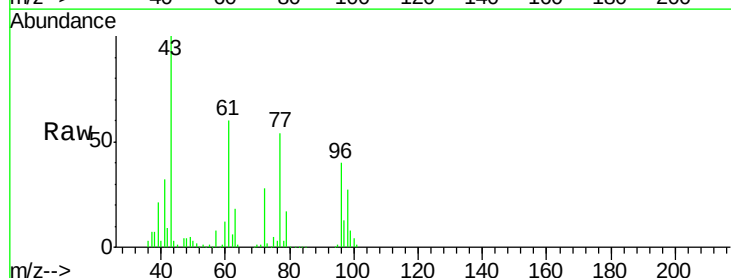
Acq: 14 Oct 2020 17:09

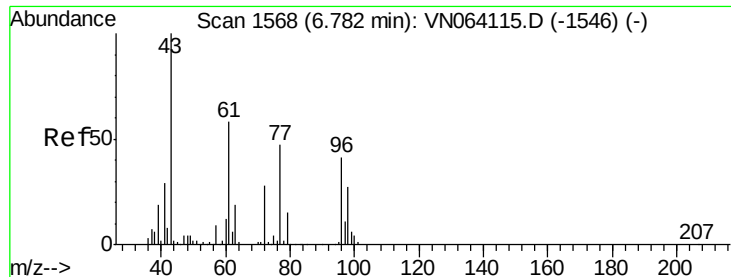
Tgt Ion: 77 Resp: 371908

Ion Ratio Lower Upper

77 100

97 22.6 11.7 35.0





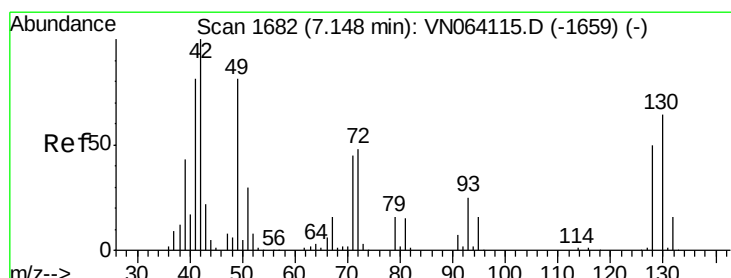
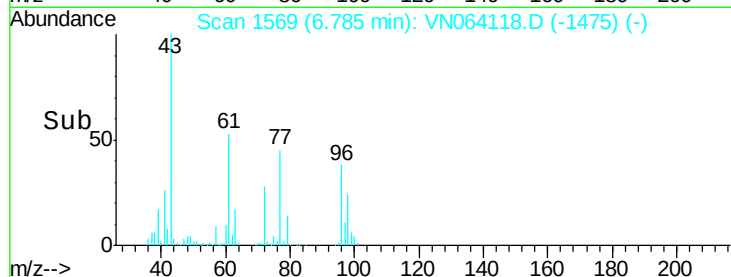
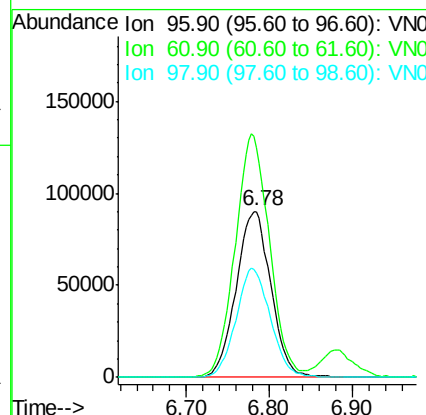
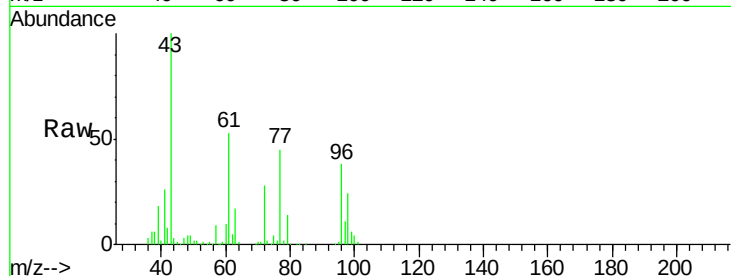
#27
 cis-1,2-Dichloroethene
 Concen: 49.522 ug/l
 RT: 6.78 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN064118.D
 Acq: 14 Oct 2020 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101420

Tot Ion	Ratio	Resp	Lower	Upper
96	100	263678		
61	143.9	0.0	285.6	
98	64.9	0.0	131.0	

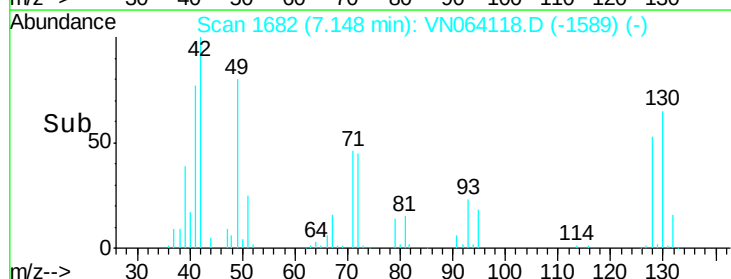
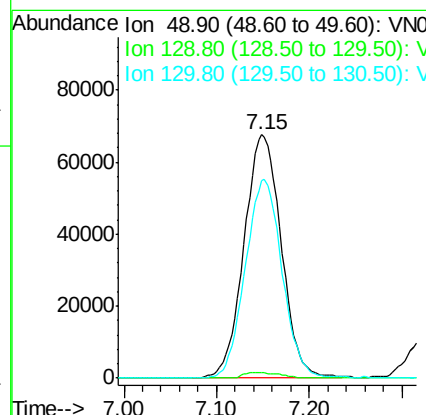
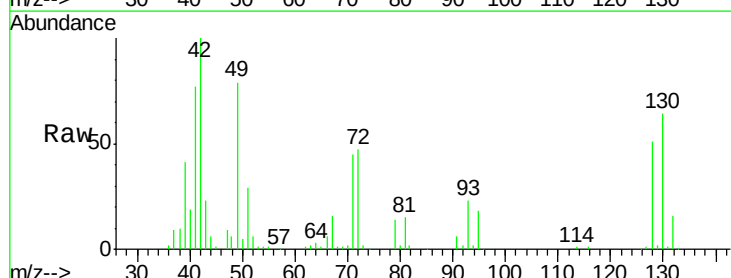
Manual Integrations
 APPROVED

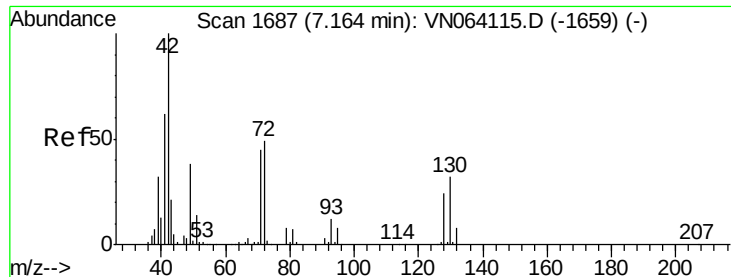
MMDadoda
 10/15/2020 12:17:30 PM



#28
 Bromochloromethane
 Concen: 46.869 ug/l
 RT: 7.15 min Scan# 1682
 Delta R.T. 0.00 min
 Lab File: VN064118.D
 Acq: 14 Oct 2020 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	188639		
129	2.1	0.0	2.0#	
130	80.6	0.0	0.0#	





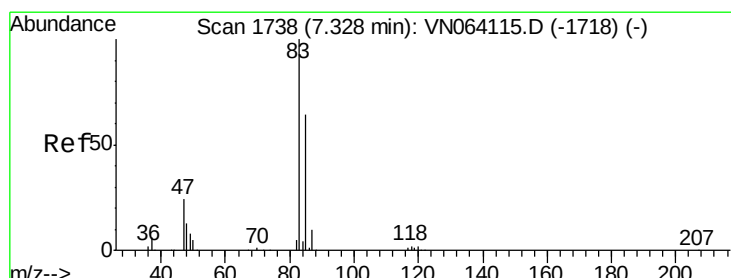
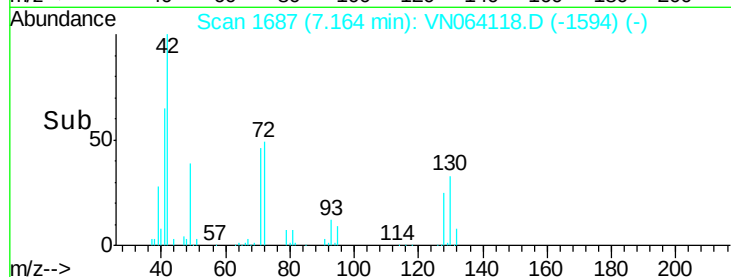
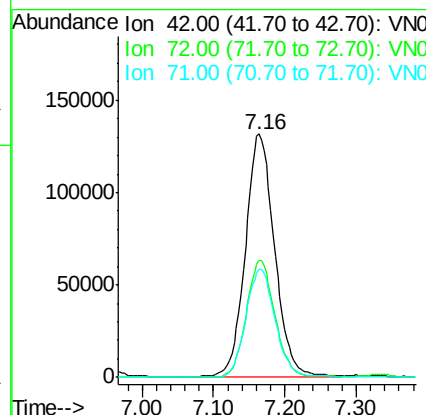
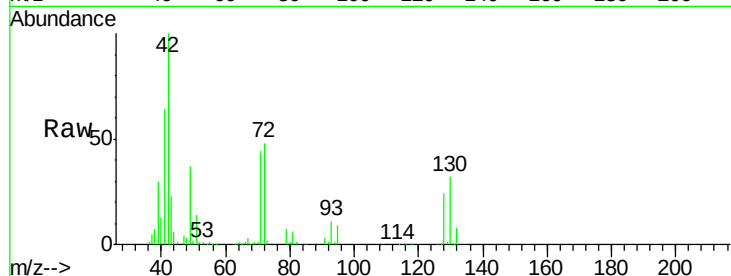
#29
Tetrahydrofuran
Concen: 244.934 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101420

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.5	37.8	56.6
71	45.0	35.3	52.9

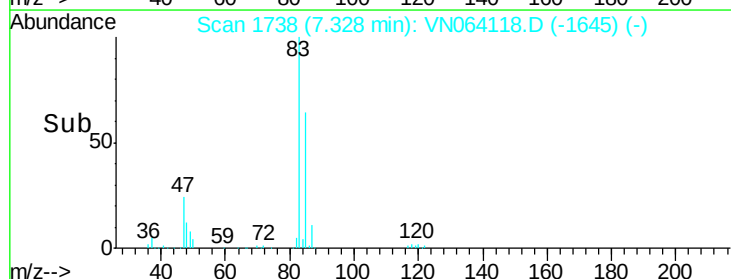
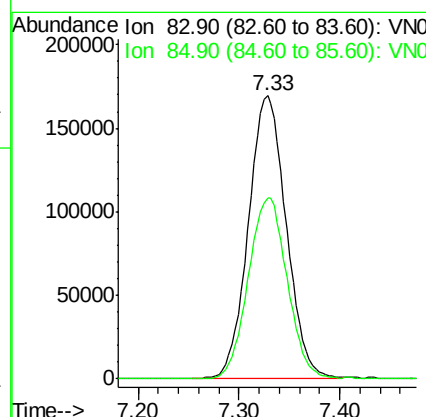
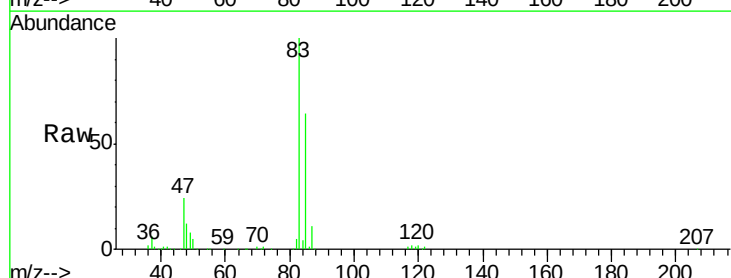
Manual Integrations
APPROVED

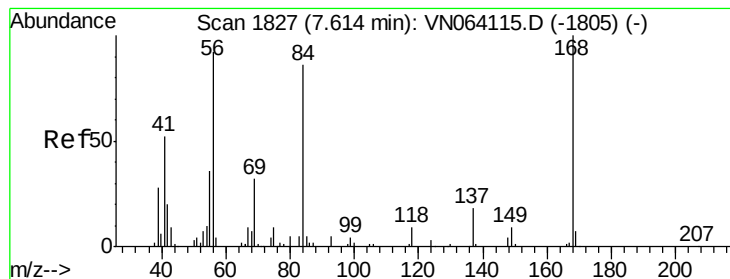
MMDadoda
10/15/2020 12:17:30 PM



#30
Chloroform
Concen: 49.056 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.5	77.3





#31

Cyclohexane

Concen: 48.643 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101420

Tot Ion: 56 Resp: 306974

Ion Ratio Lower Upper

56 100

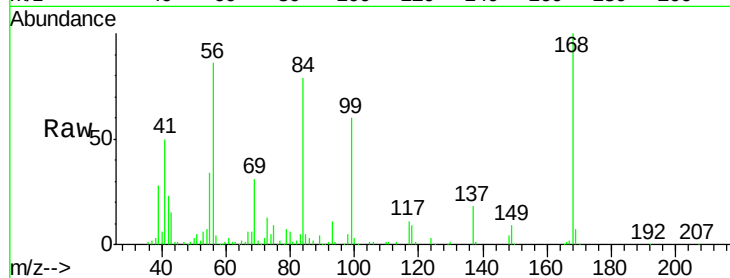
69 36.2 27.8 41.6

84 90.5 73.2 109.8

Manual Integrations
APPROVED

MMDadoda

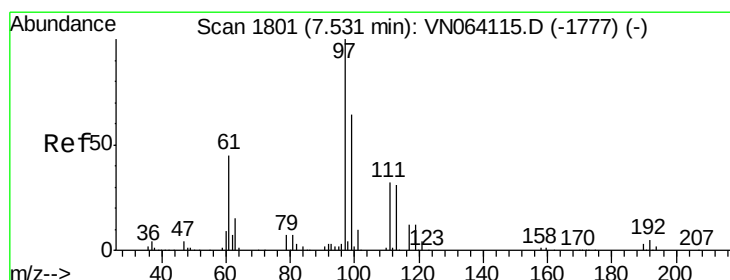
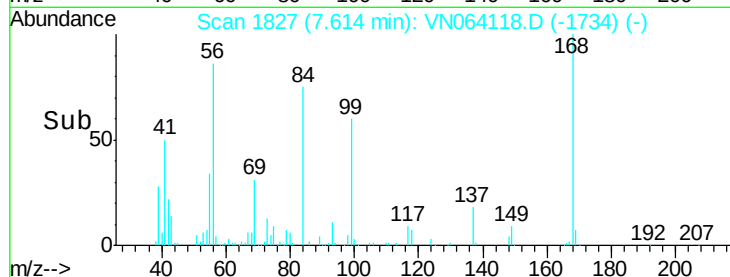
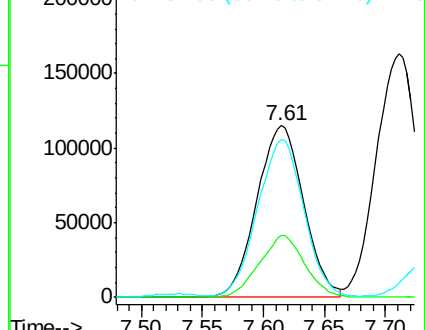
10/15/2020 12:17:30 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 49.236 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

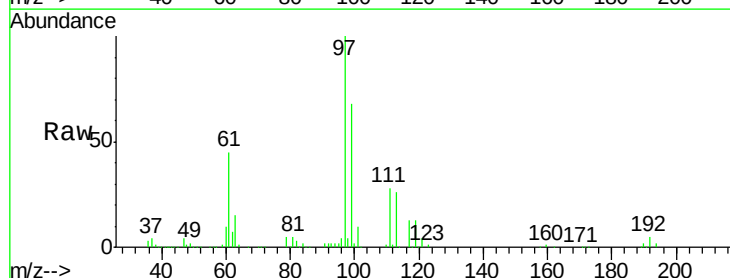
Tgt Ion: 97 Resp: 383000

Ion Ratio Lower Upper

97 100

99 65.0 50.2 75.2

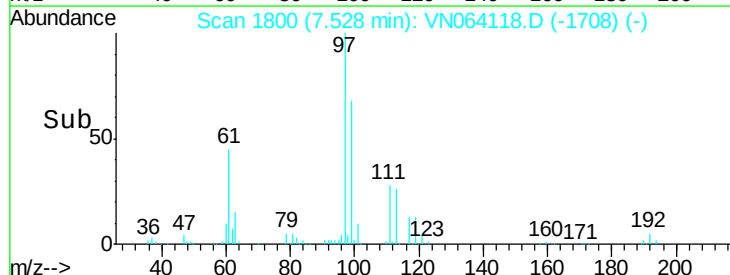
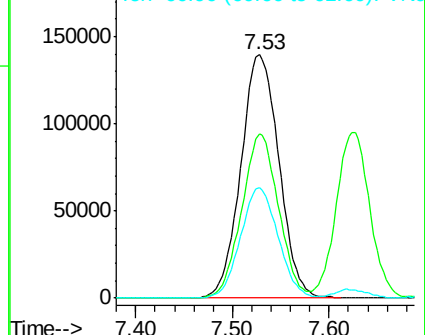
61 44.8 35.6 53.4

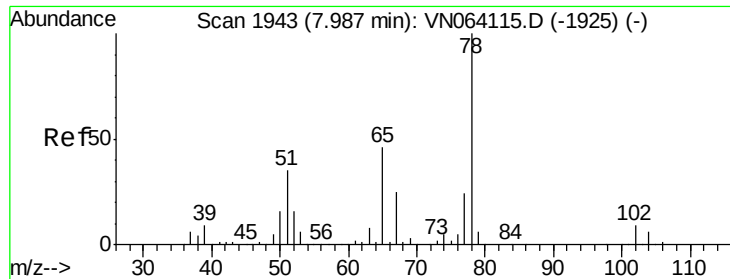


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





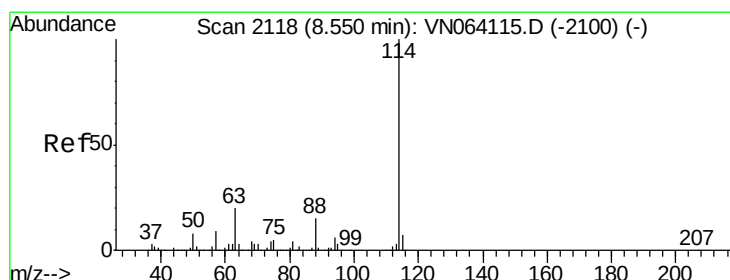
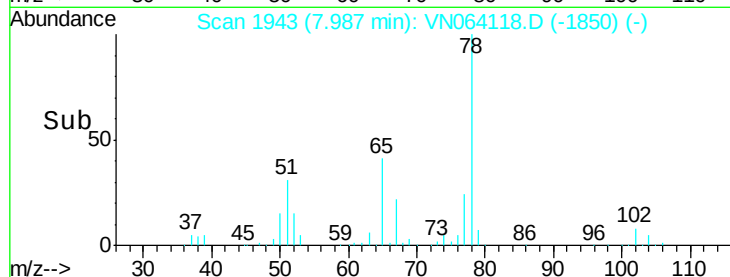
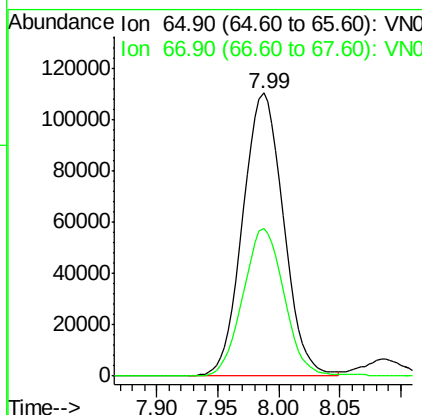
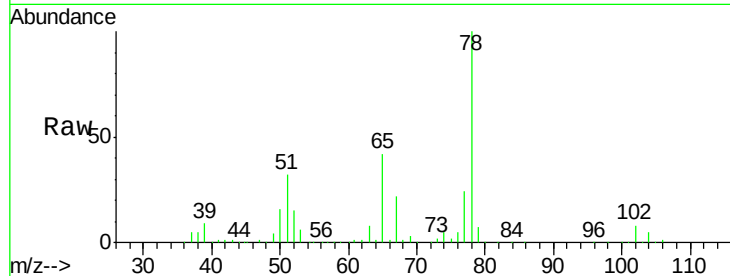
#33
 1,2-Dichloroethane-d4
 Concen: 44.731 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064118.D
 Acq: 14 Oct 2020 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101420

Tot Ion	Ratio	Resp	Lower	Upper
65	100	255347		
67	52.4	0.0	105.6	

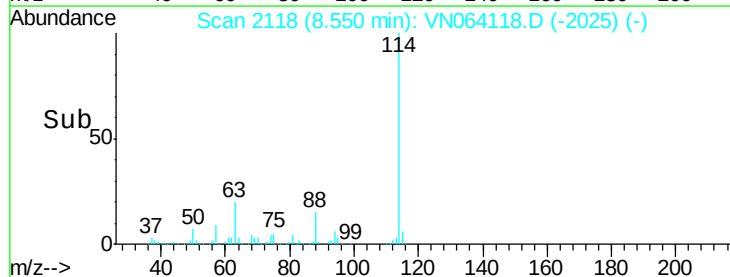
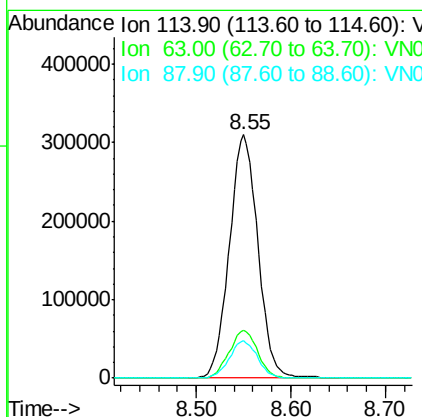
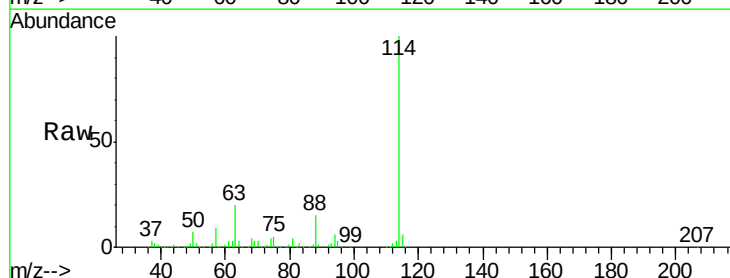
Manual Integrations
 APPROVED

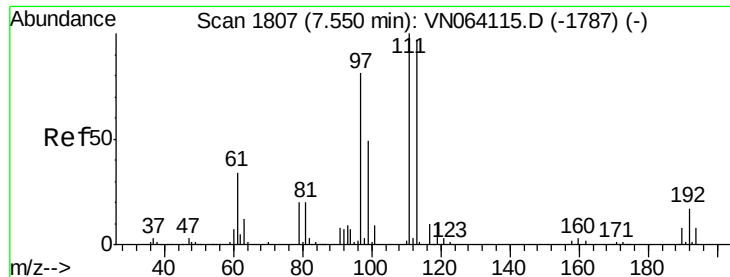
MMDadoda
 10/15/2020 12:17:30 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064118.D
 Acq: 14 Oct 2020 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	649395		
63	19.6	0.0	41.0	
88	15.2	0.0	29.2	





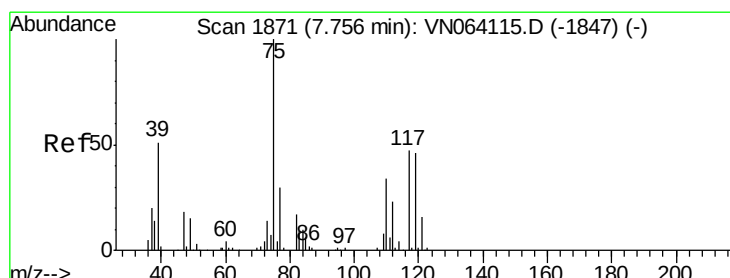
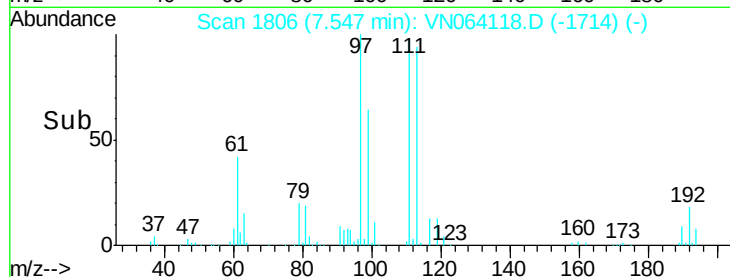
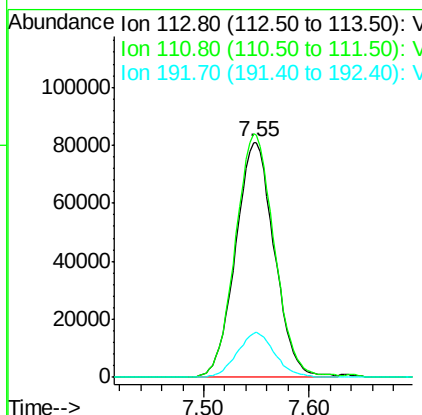
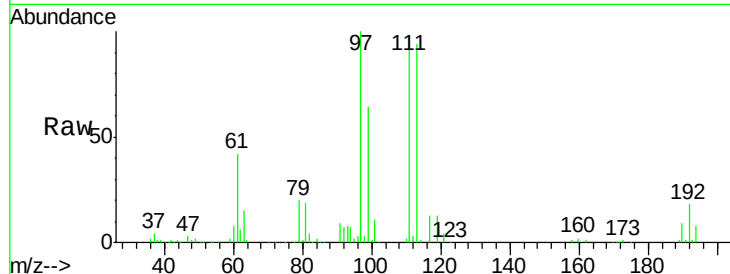
#35
Dibromofluoromethane
Concen: 45.953 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101420

Tot Ion	Ratio	Resp	Lower	Upper
113	100	206548		
111	104.2	81.9	122.9	
192	18.5	14.3	21.5	

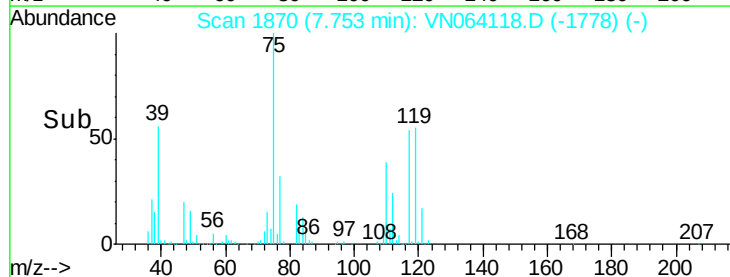
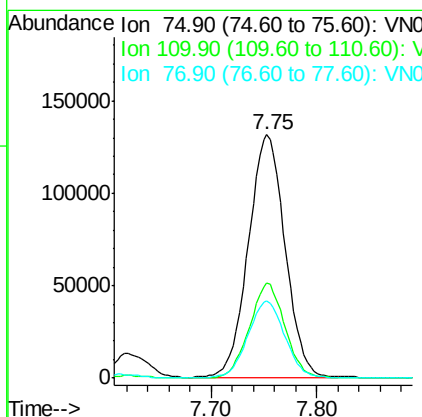
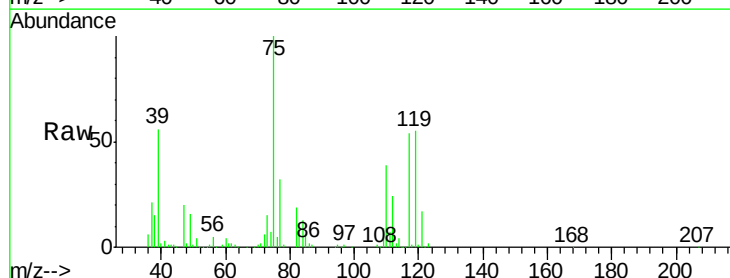
Manual Integrations
APPROVED

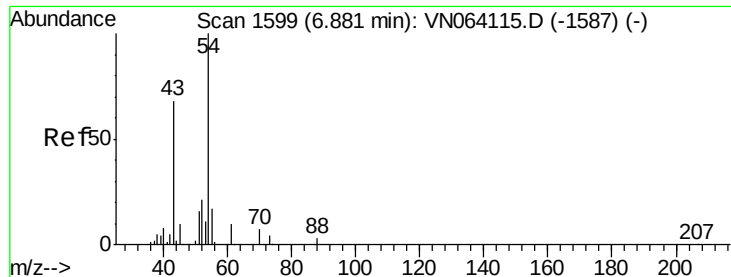
MMDadoda
10/15/2020 12:17:30 PM



#36
1,1-Dichloropropene
Concen: 50.912 ug/l
RT: 7.75 min Scan# 1870
Delta R.T. -0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	318676		
110	37.7	17.8	53.3	
77	32.2	24.9	37.3	





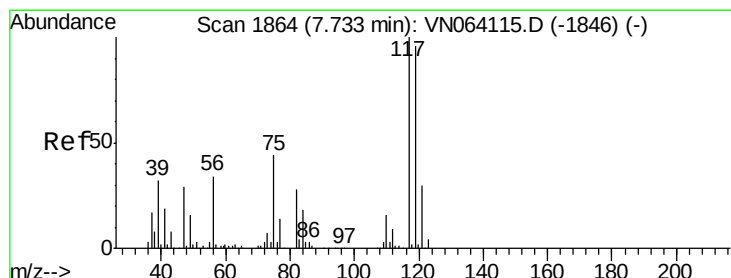
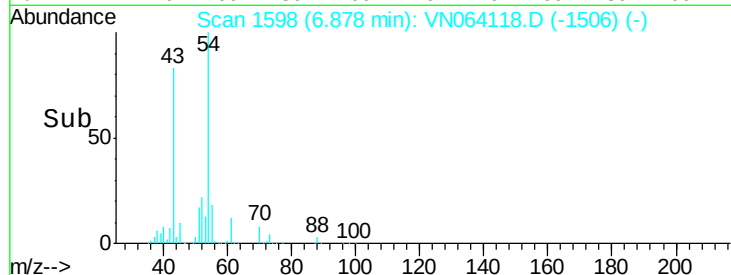
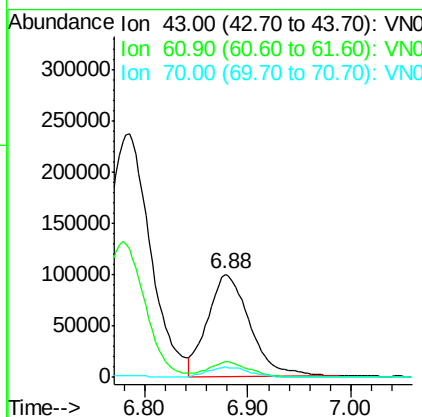
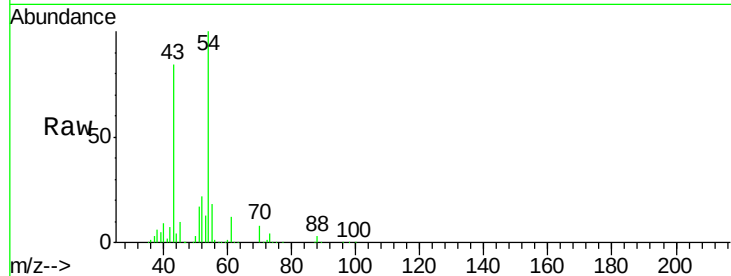
#37
Ethyl Acetate
Concen: 51.158 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101420

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.3	16.9
70	9.7	7.7	11.5

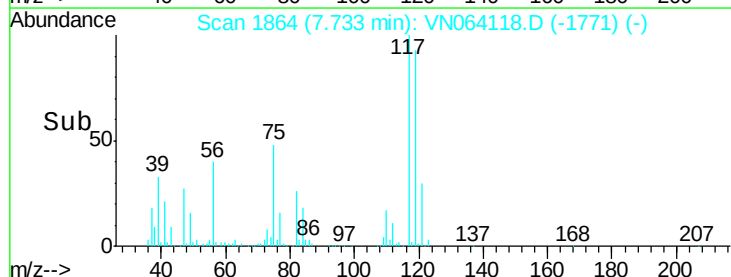
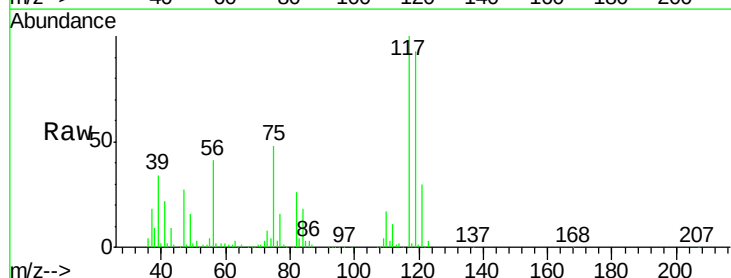
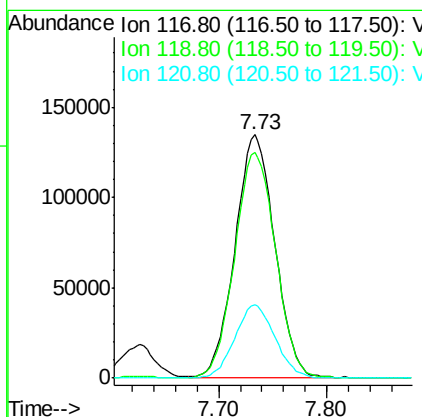
Manual Integrations
APPROVED

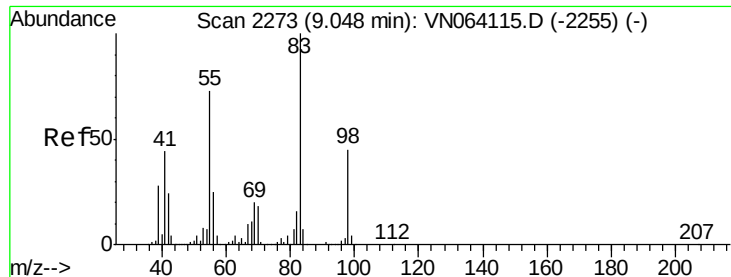
MMDadoda
10/15/2020 12:17:30 PM



#38
Carbon Tetrachloride
Concen: 50.968 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.9	77.0	115.4
121	30.4	24.2	36.4





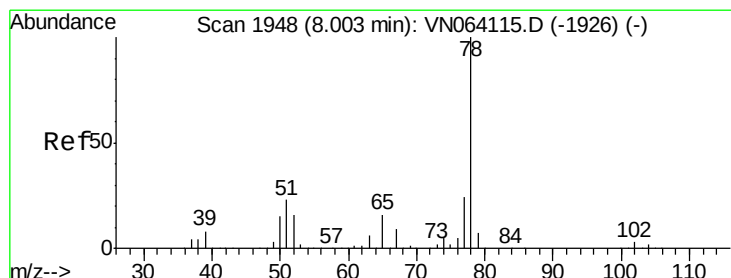
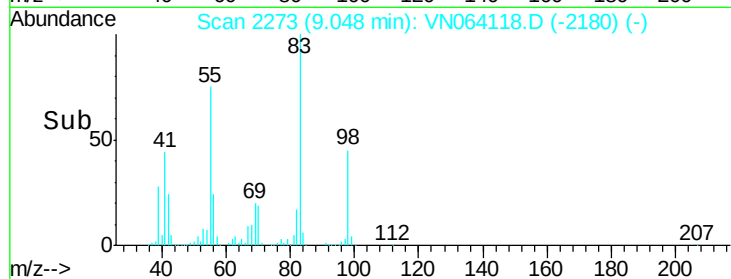
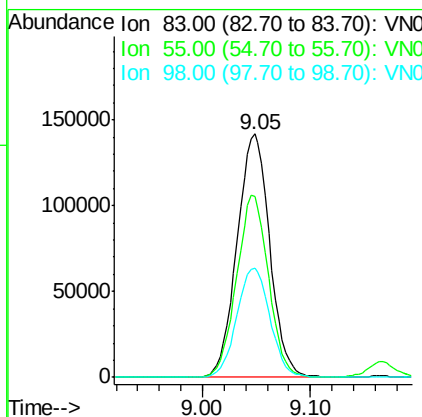
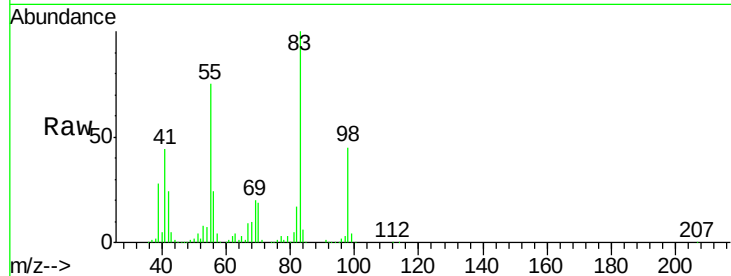
#39
Methylvlcyclohexane
Concen: 56.653 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101420

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.5	58.5	87.7
98	45.1	36.2	54.2

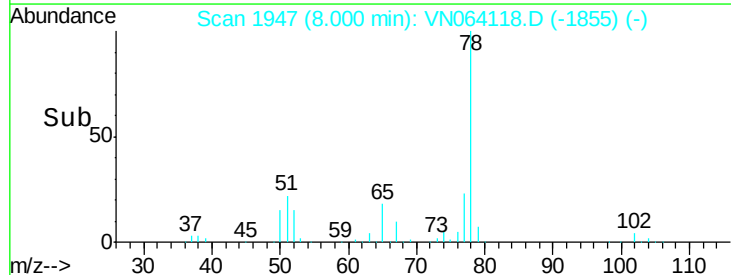
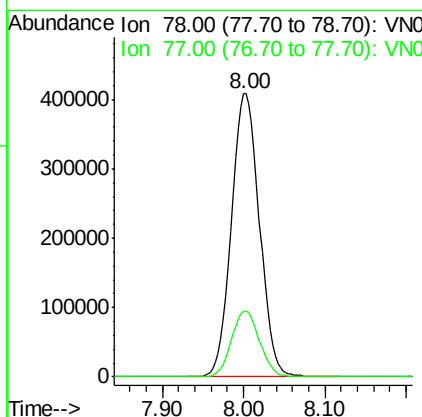
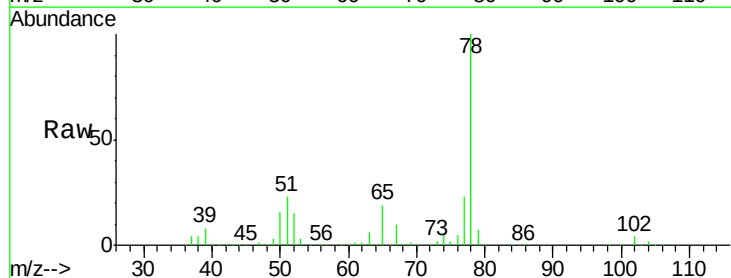
Manual Integrations
APPROVED

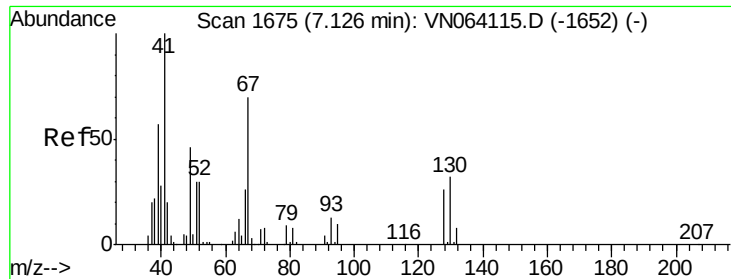
MMDadoda
10/15/2020 12:17:30 PM



#40
Benzene
Concen: 51.685 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.3	28.9





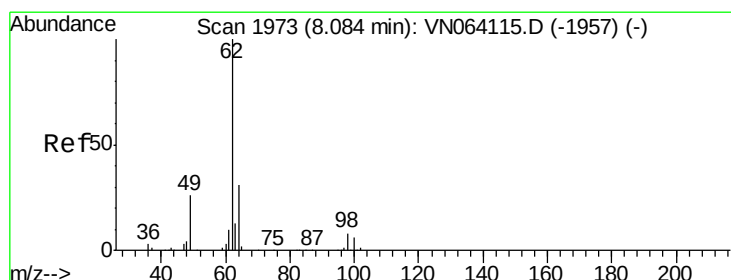
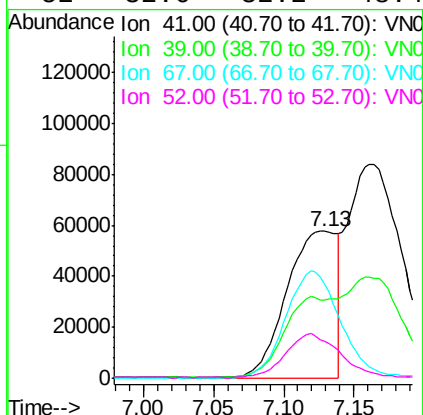
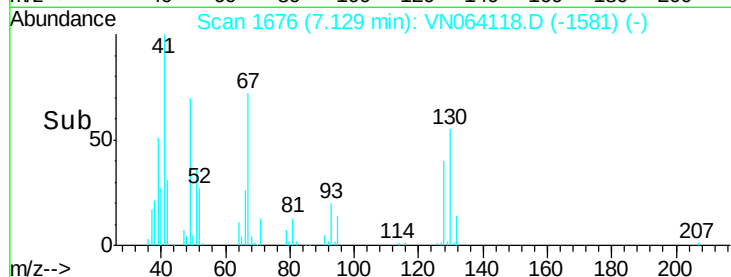
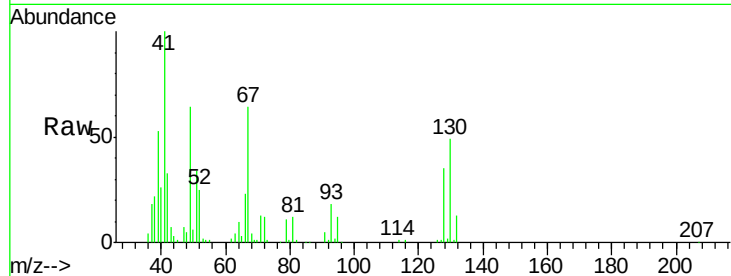
#41
Methacrylonitrile
Concen: 59.770 ug/l
RT: 7.13 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101420

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	39.0	50.7	76.1#	
67	80.3	73.8	110.6	
52	32.6	32.2	48.4	

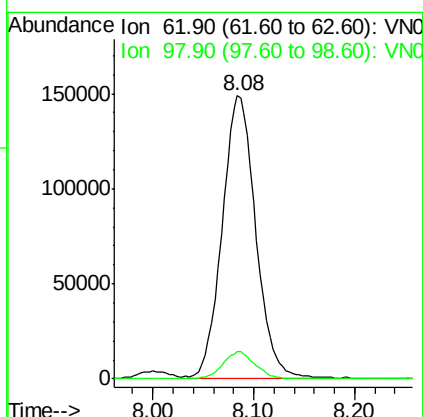
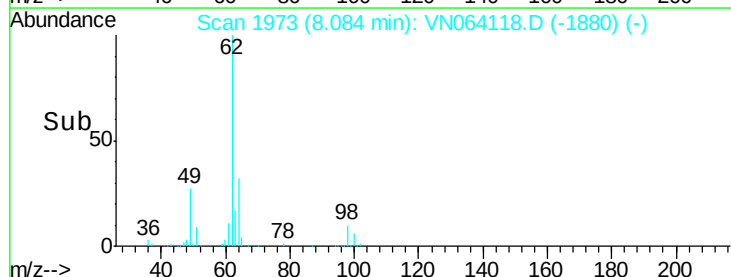
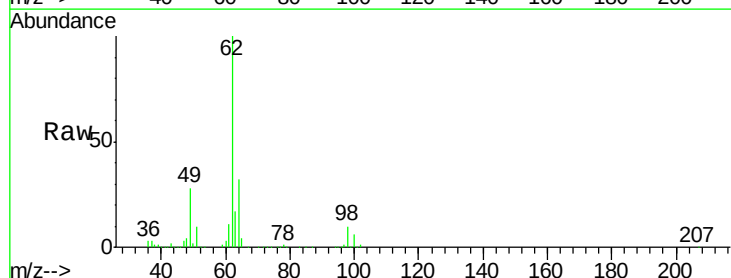
Manual Integrations
APPROVED

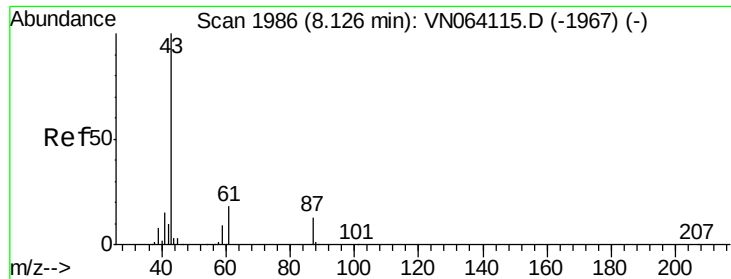
MMDadoda
10/15/2020 12:17:30 PM



#42
1,2-Dichloroethane
Concen: 50.887 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.3	0.0	17.6	





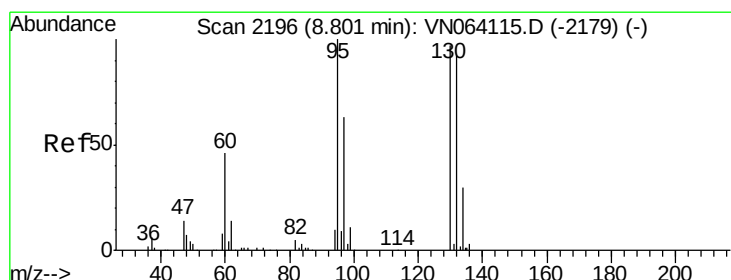
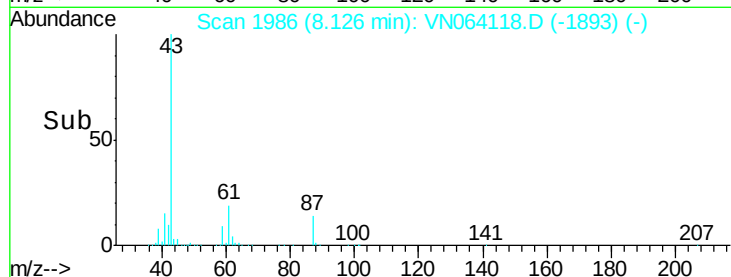
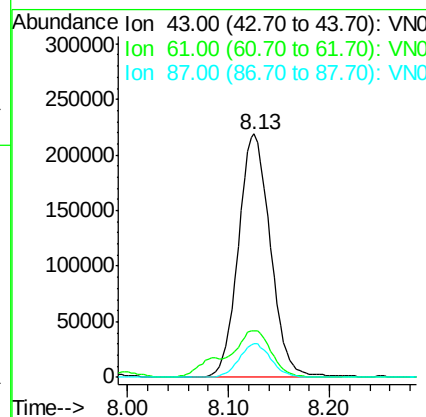
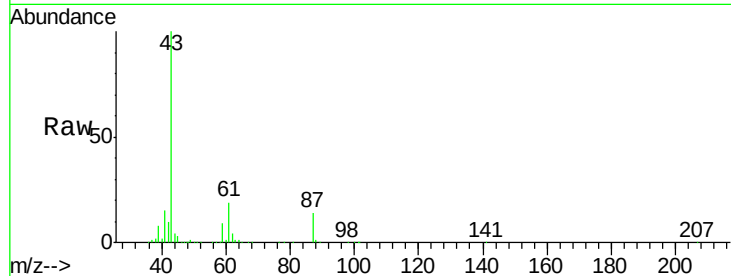
#43
Isopropyl Acetate
Concen: 51.889 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101420

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.7	21.9	32.9#
87	13.9	11.0	16.4

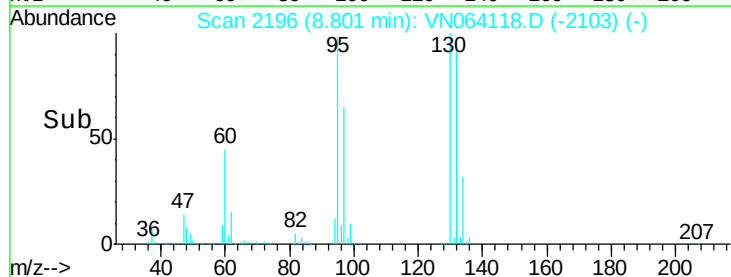
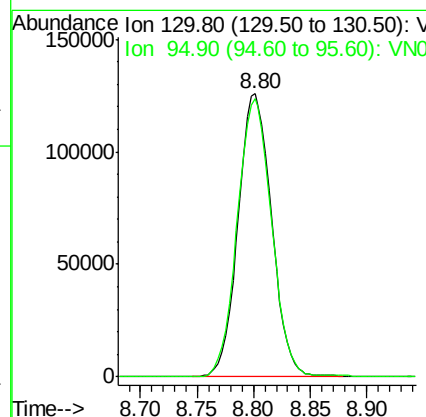
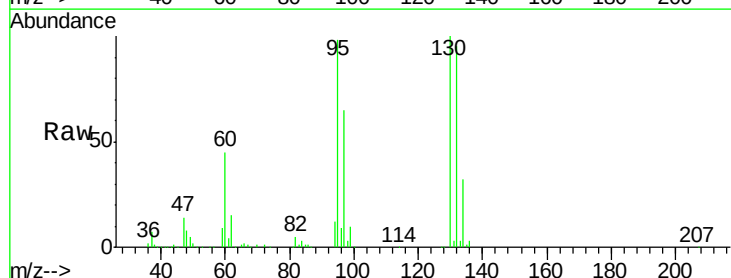
Manual Integrations
APPROVED

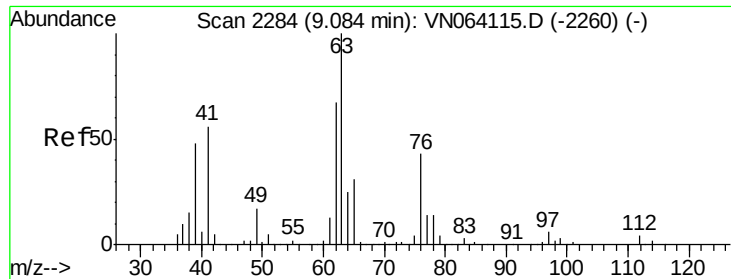
MMDadoda
10/15/2020 12:17:30 PM



#44
Trichloroethene
Concen: 52.140 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	206.2





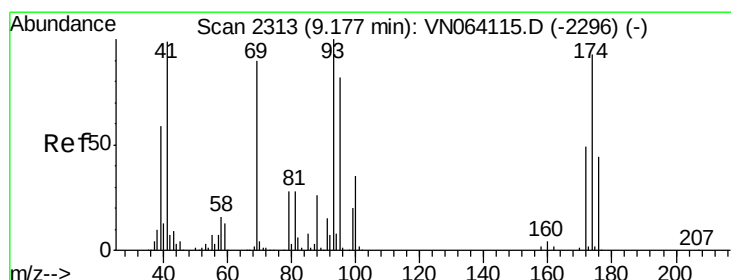
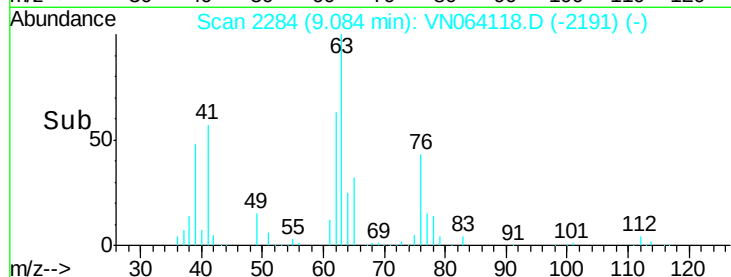
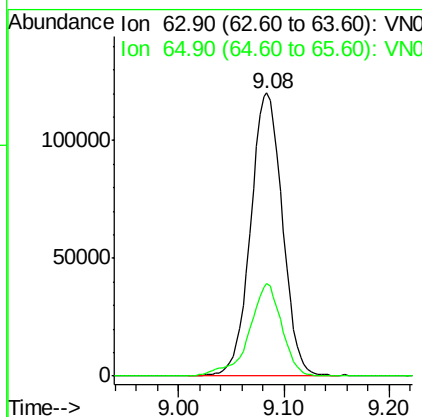
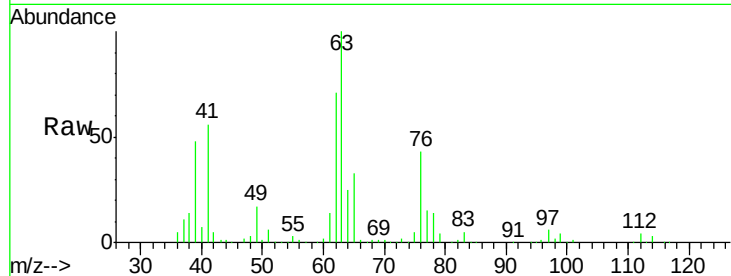
#45
 1,2-Dichloropropane
 Concen: 51.077 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064118.D
 Acq: 14 Oct 2020 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101420

Tot Ion: 63 Resp: 253660
 Ion Ratio Lower Upper
 63 100
 65 32.7 25.0 37.6

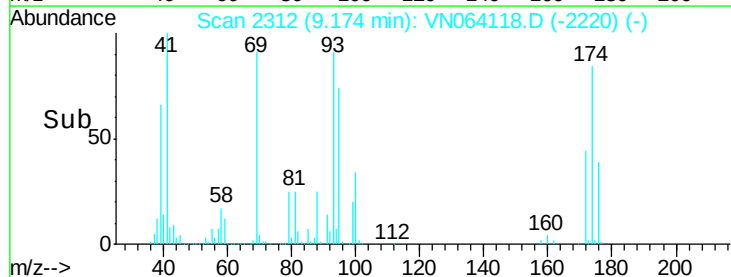
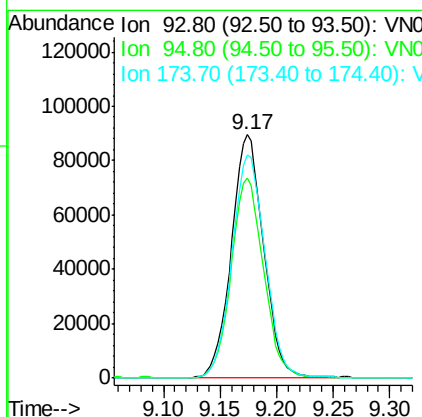
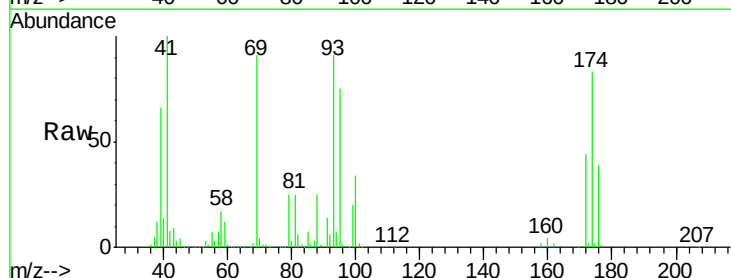
Manual Integrations
 APPROVED

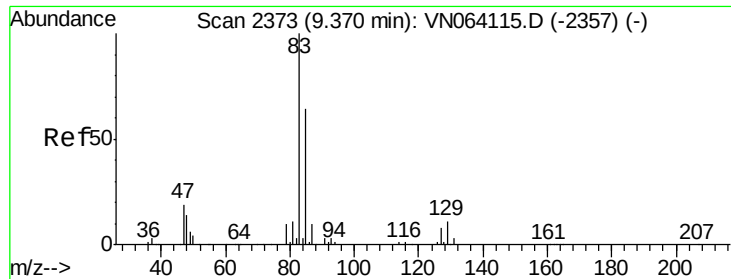
MMDadoda
 10/15/2020 12:17:30 PM



#46
 Dibromomethane
 Concen: 50.638 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN064118.D
 Acq: 14 Oct 2020 17:09

Tgt Ion: 93 Resp: 178416
 Ion Ratio Lower Upper
 93 100
 95 82.5 66.8 100.2
 174 94.4 75.2 112.8





#47

Bromodichloromethane

Concen: 51.323 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Instrument :

MSVOA_N

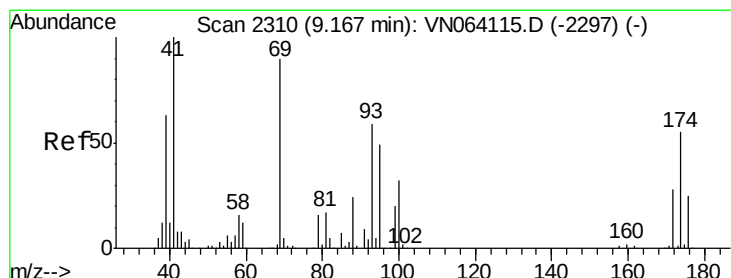
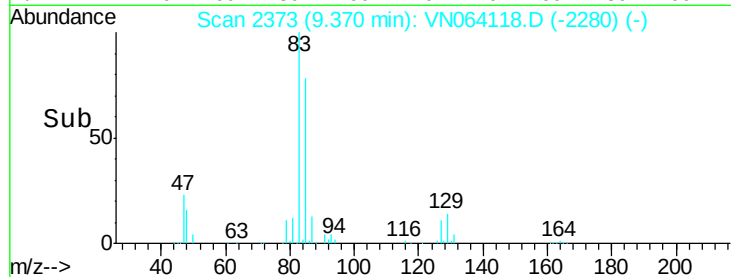
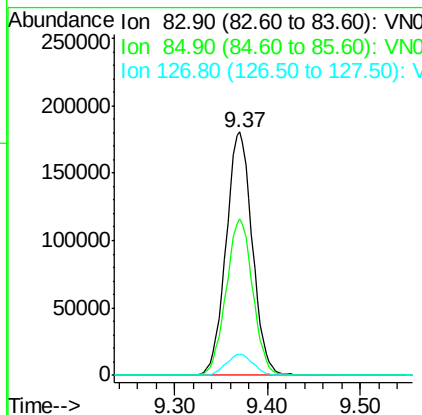
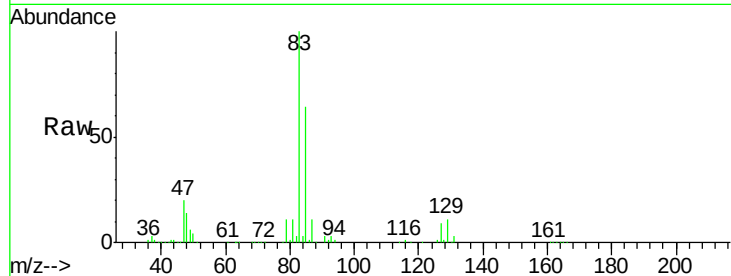
ClientSampleId :

ICVVN101420

Tot Ion:	83	Resp:	353793
Ion Ratio	Lower	Upper	
83	100		
85	64.1	50.8	76.2
127	8.8	6.6	9.8

Manual Integrations
APPROVED

MMDadoda
10/15/2020 12:17:30 PM



#48

Methyl methacrylate

Concen: 53.601 ug/l

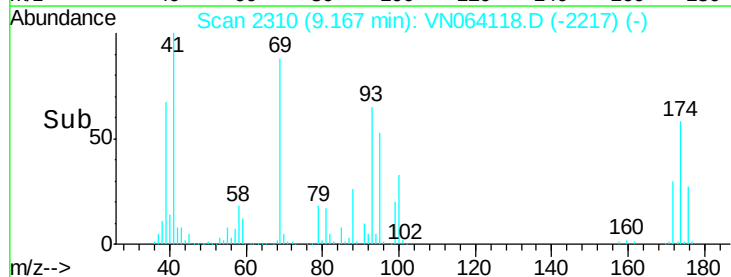
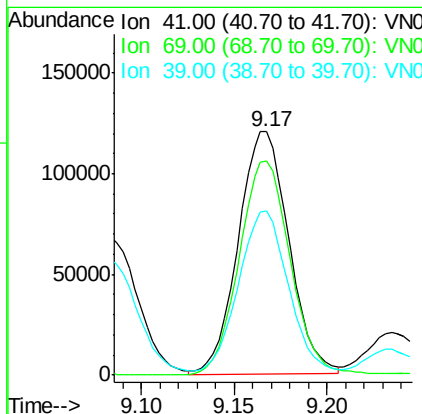
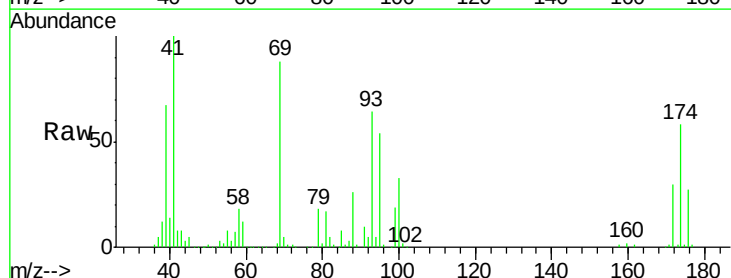
RT: 9.17 min Scan# 2310

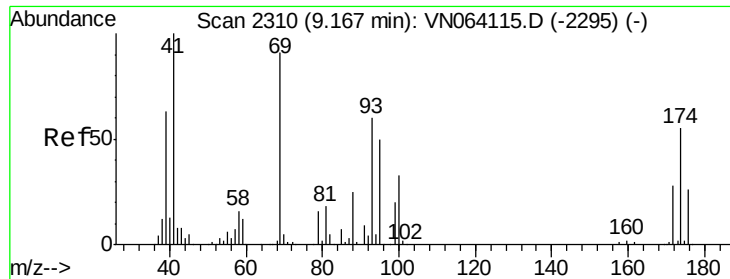
Delta R.T. 0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Tgt Ion:	41	Resp:	228233
Ion Ratio	Lower	Upper	
41	100		
69	90.2	71.4	107.2
39	66.9	52.5	78.7





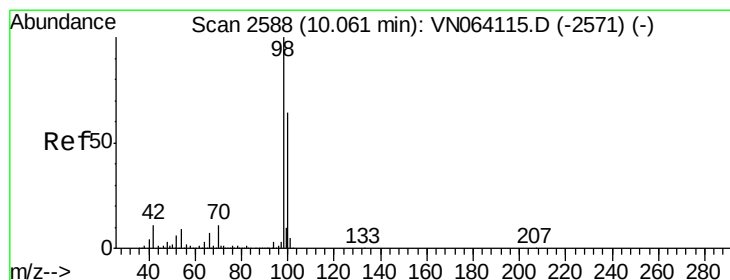
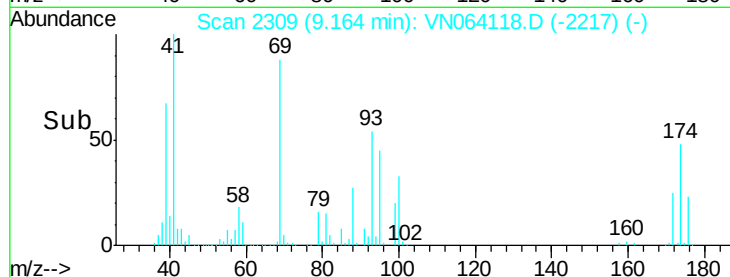
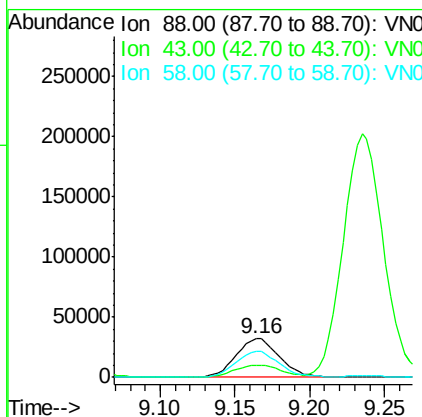
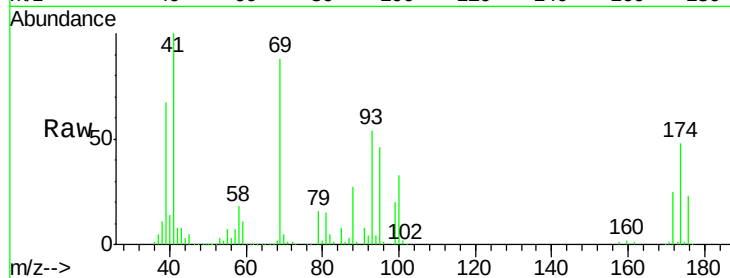
#49
1,4-Dioxane
Concen: 1005.483 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101420

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.9	27.2	40.8
58	67.6	52.6	78.8

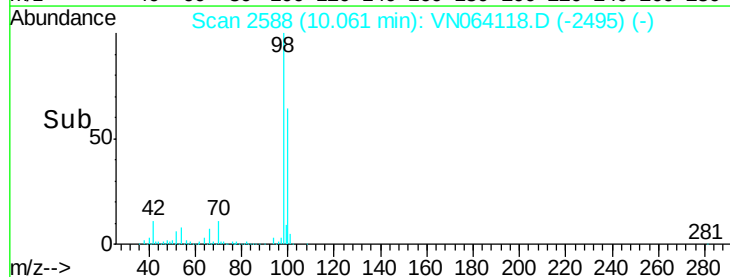
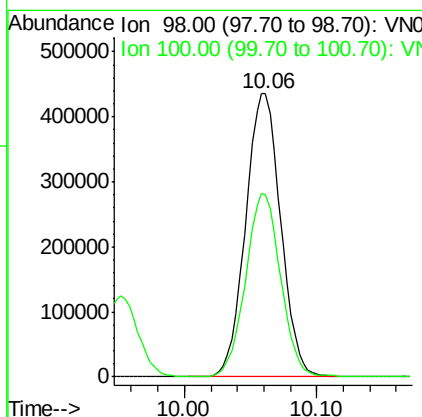
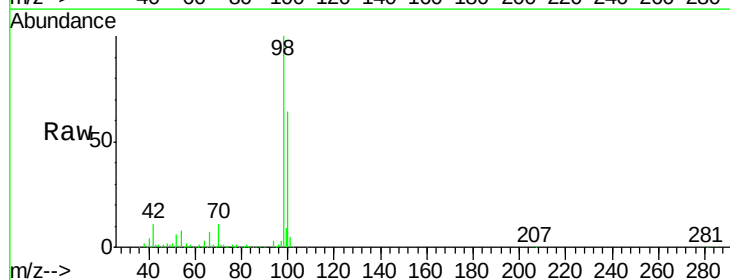
Manual Integrations
APPROVED

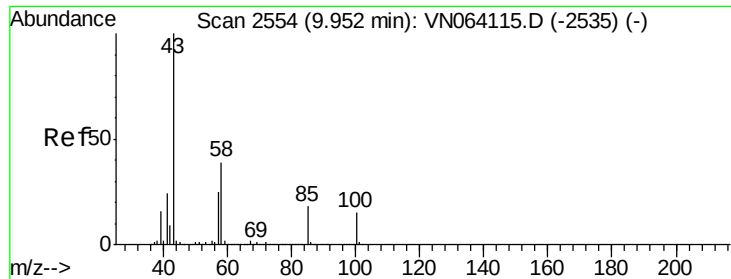
MMDadoda
10/15/2020 12:17:30 PM



#50
Toluene-d8
Concen: 47.222 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	50.8	76.2





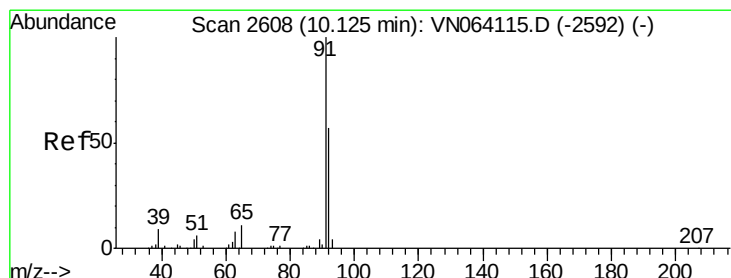
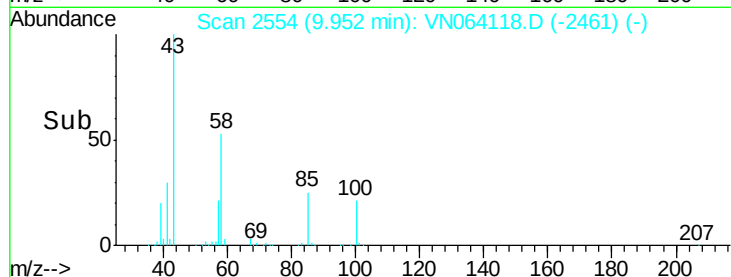
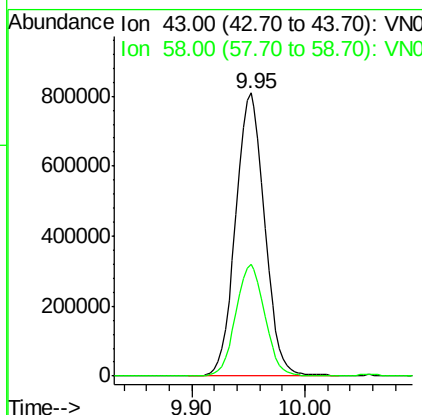
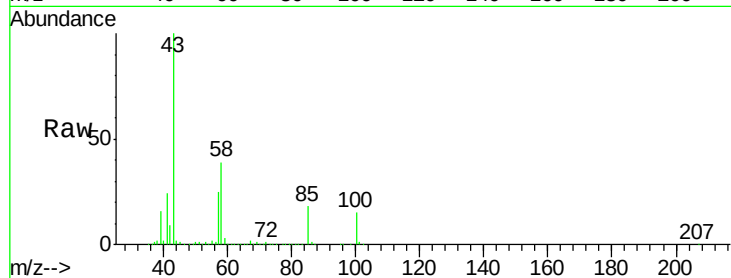
#51
4-Methyl-2-Pentanone
Concen: 264.895 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101420

Tot Ion: 43 Resp: 1444897
Ion Ratio Lower Upper
43 100
58 39.6 31.2 46.8

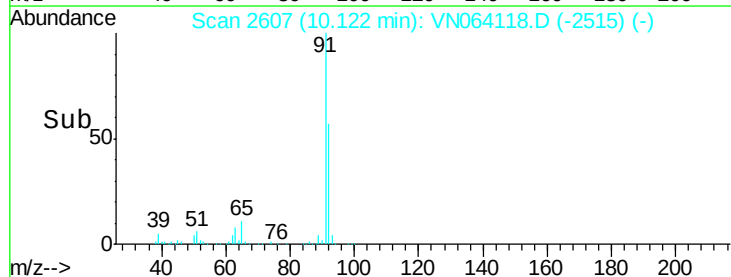
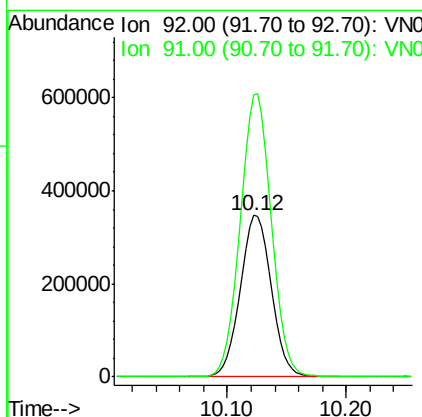
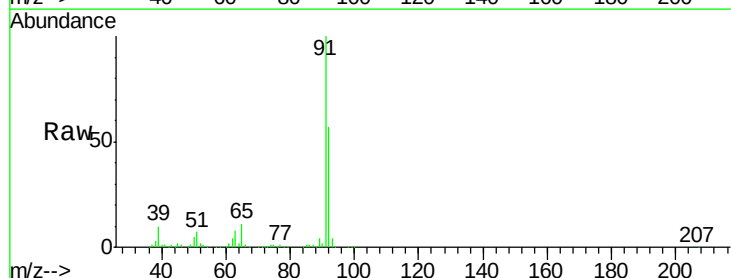
Manual Integrations
APPROVED

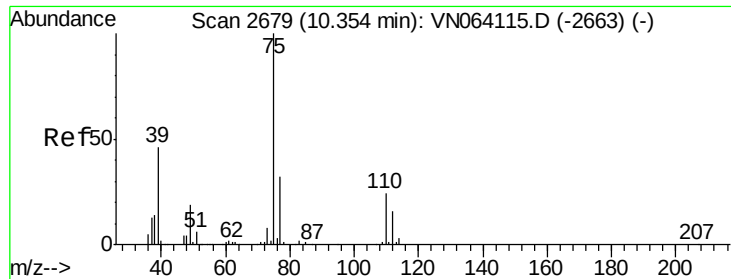
MMDadoda
10/15/2020 12:17:30 PM



#52
Toluene
Concen: 54.020 ug/l
RT: 10.12 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Tgt Ion: 92 Resp: 629163
Ion Ratio Lower Upper
92 100
91 175.6 141.2 211.8





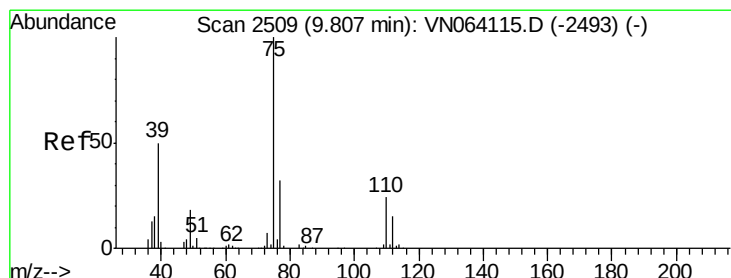
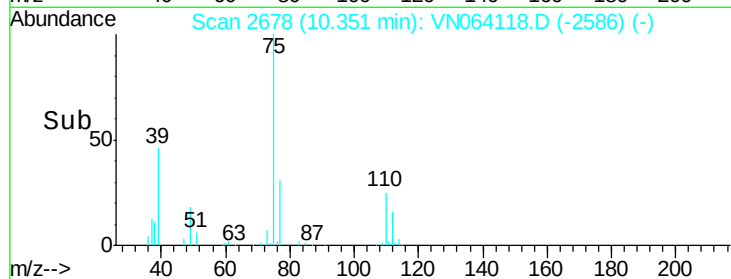
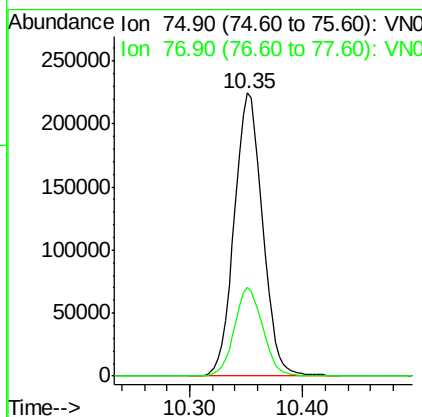
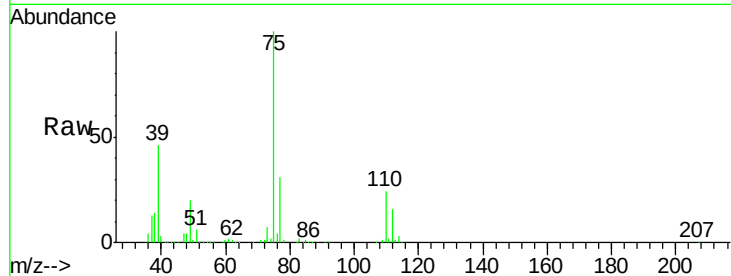
#53
t-1,3-Dichloropropene
Concen: 55.552 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101420

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.6	38.4

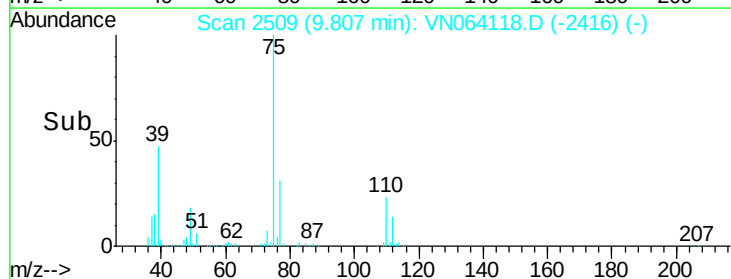
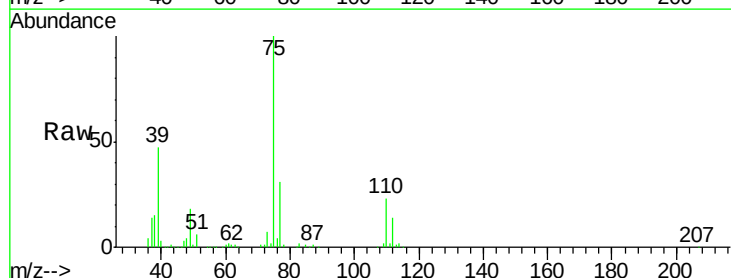
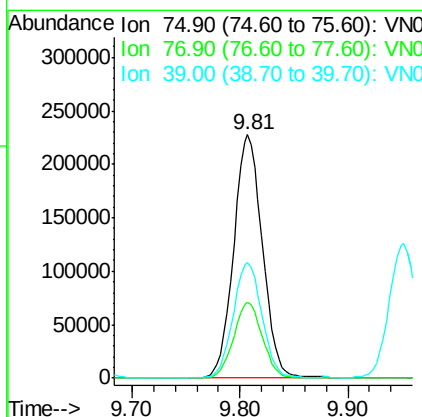
Manual Integrations
APPROVED

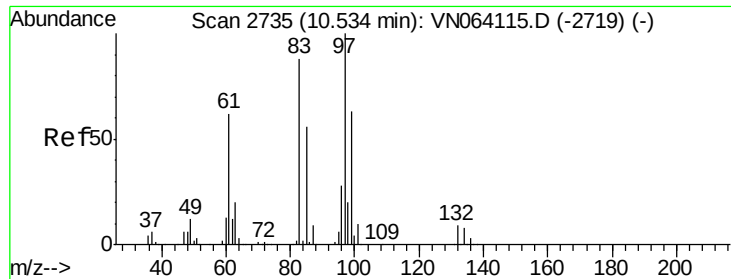
MMDadoda
10/15/2020 12:17:30 PM



#54
cis-1,3-Dichloropropene
Concen: 54.393 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.2	37.8
39	47.3	39.8	59.8





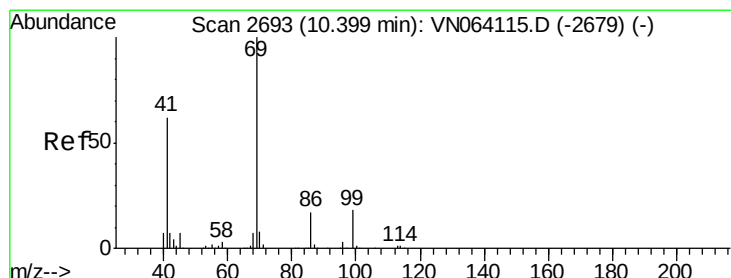
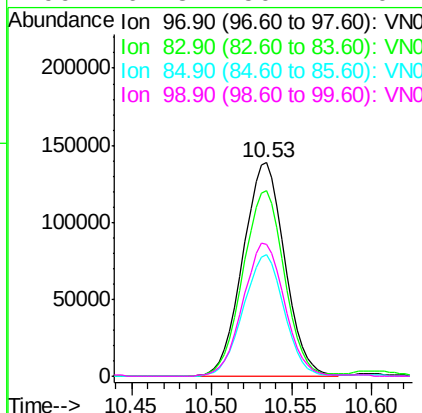
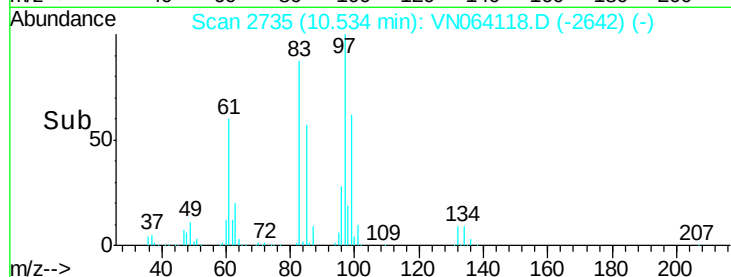
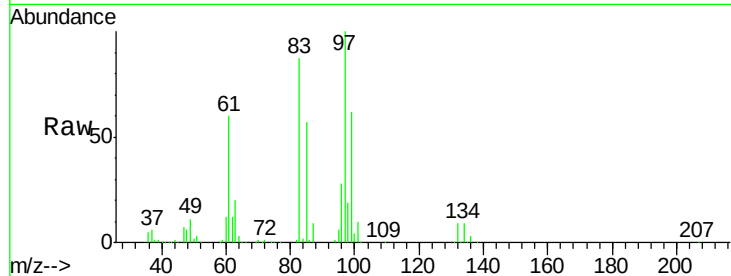
#55
 1,1,2-Trichloroethane
 Concen: 51.653 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064118.D
 Acq: 14 Oct 2020 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101420

Tot Ion:	97	Resp:	249227
Ion Ratio	Lower	Upper	
97	100		
83	86.9	70.2	105.4
85	56.7	45.0	67.6
99	61.8	50.7	76.1

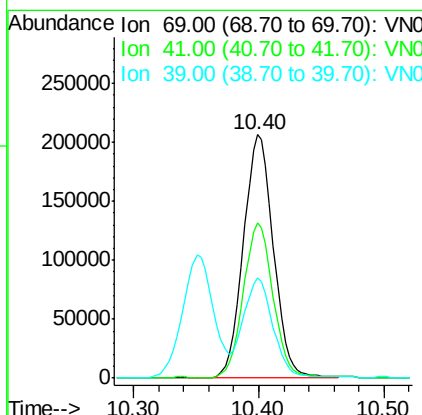
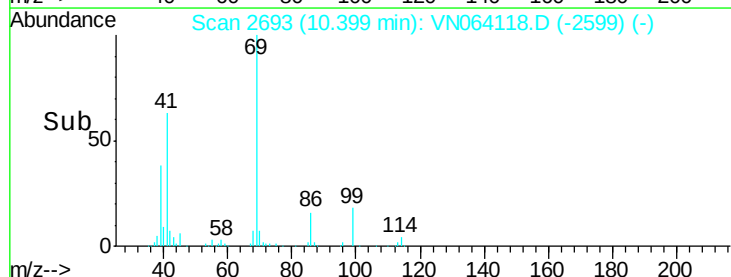
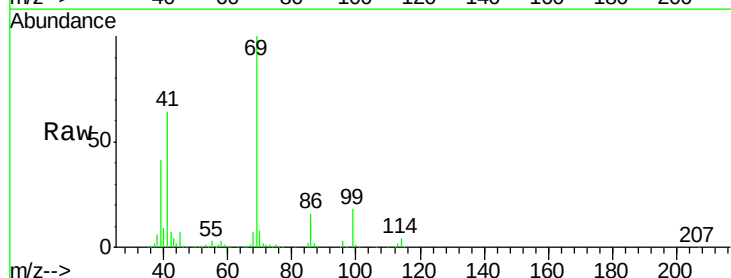
Manual Integrations
 APPROVED

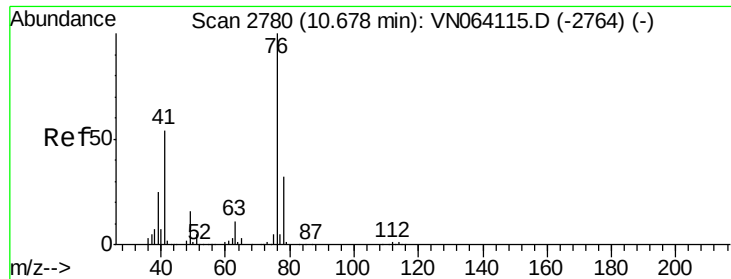
MMDadoda
 10/15/2020 12:17:30 PM



#56
 Ethyl methacrylate
 Concen: 49.329 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064118.D
 Acq: 14 Oct 2020 17:09

Tgt Ion:	69	Resp:	344640
Ion Ratio	Lower	Upper	
69	100		
41	63.0	49.3	73.9
39	40.0	32.7	49.1





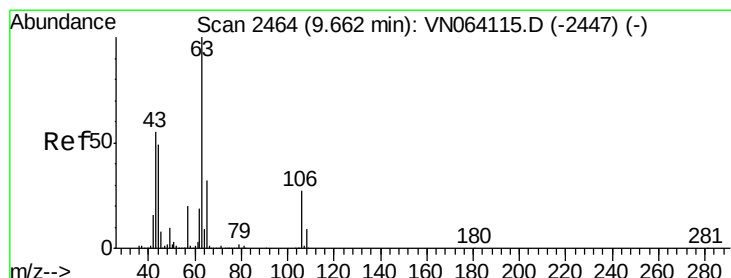
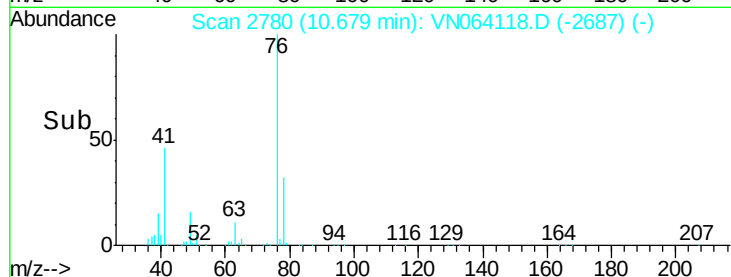
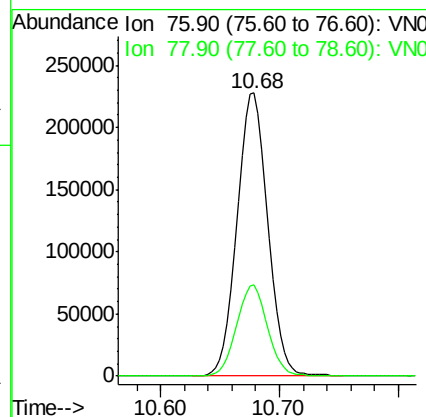
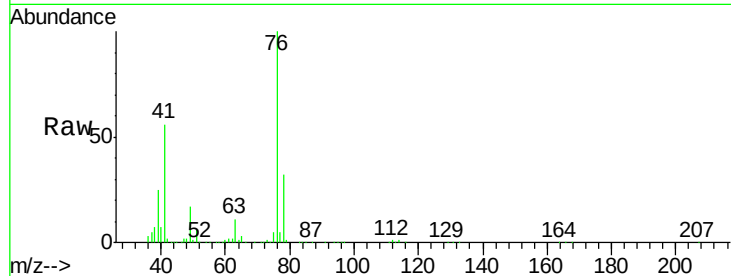
#57
 1,3-Dichloropropane
 Concen: 51.320 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN064118.D
 Acq: 14 Oct 2020 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101420

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.1	39.1

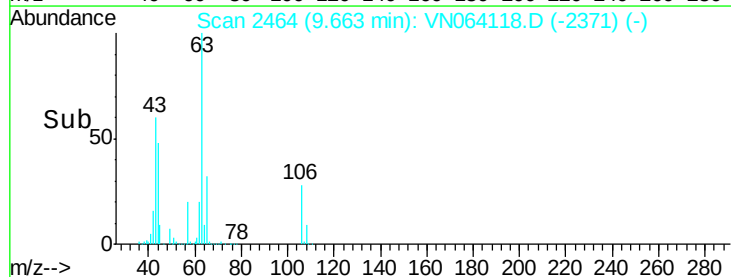
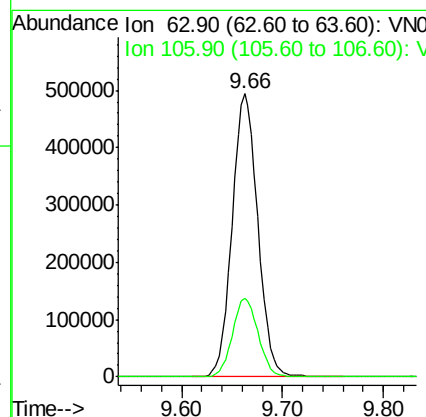
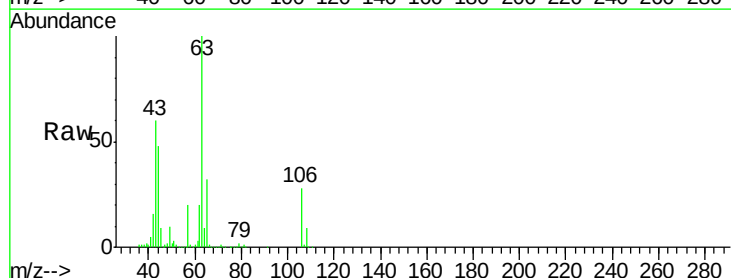
Manual Integrations
 APPROVED

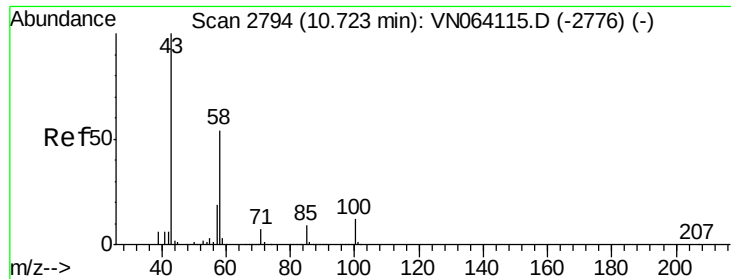
MMDadoda
 10/15/2020 12:17:30 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 246.786 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064118.D
 Acq: 14 Oct 2020 17:09

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.9	21.8	32.6





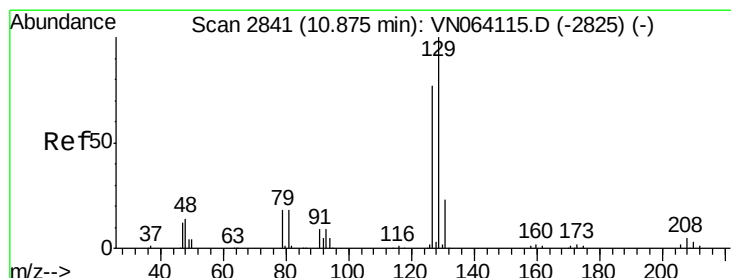
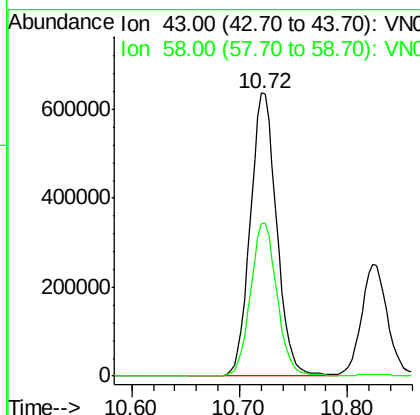
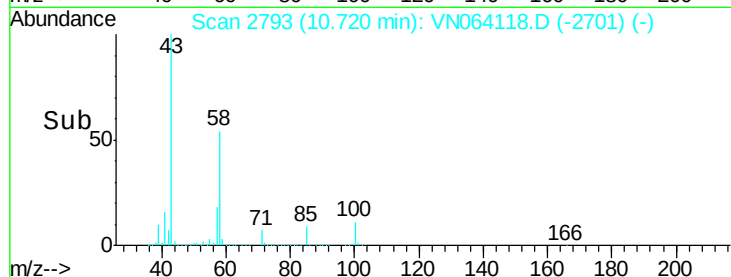
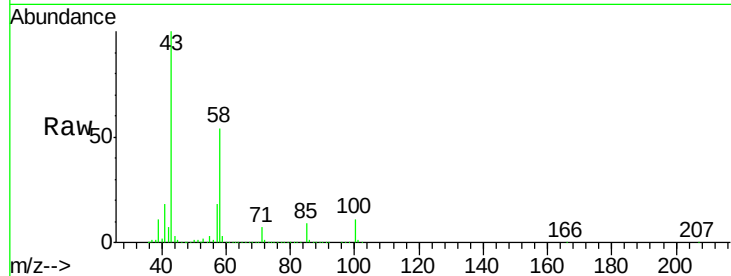
#59
2-Hexanone
Concen: 256.118 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101420

Tot Ion: 43 Resp: 1080566
Ion Ratio Lower Upper
43 100
58 54.1 27.2 81.6

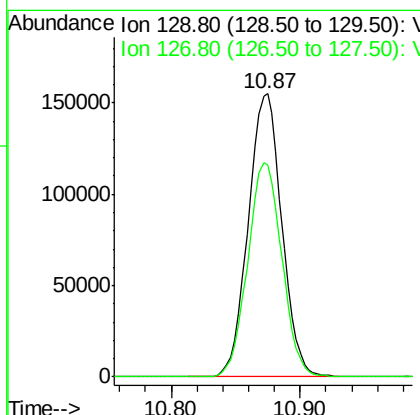
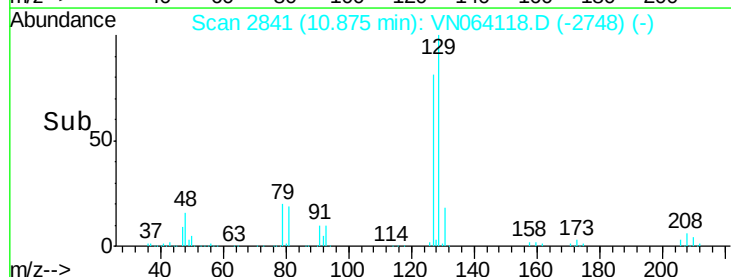
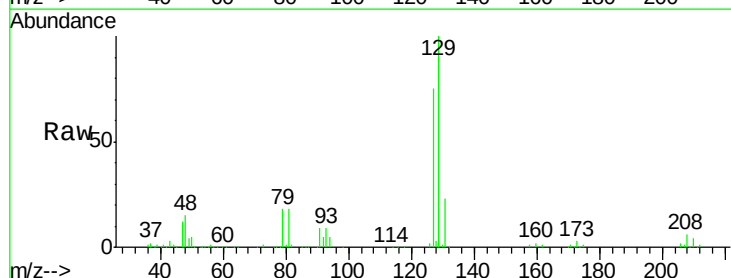
Manual Integrations
APPROVED

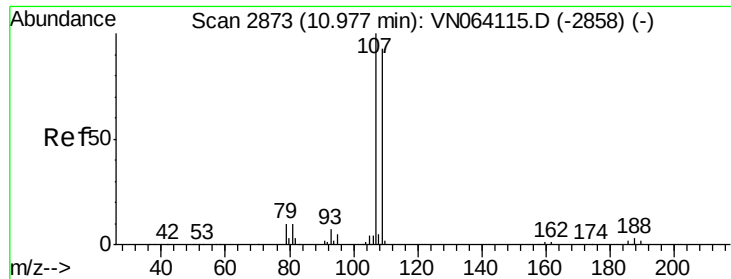
MMDadoda
10/15/2020 12:17:30 PM



#60
Dibromochloromethane
Concen: 51.952 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Tgt Ion: 129 Resp: 281580
Ion Ratio Lower Upper
129 100
127 76.9 38.2 114.6





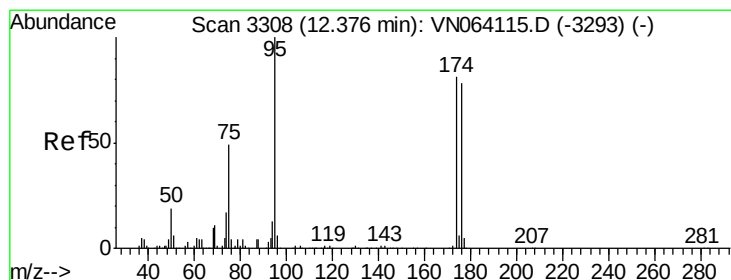
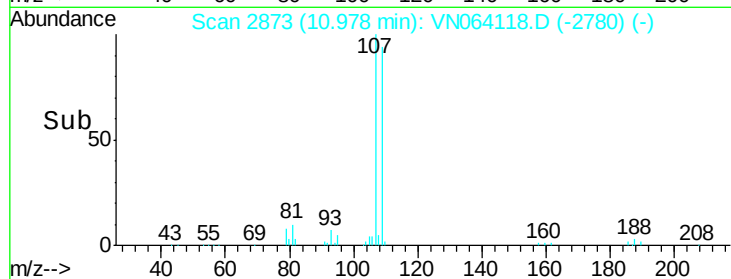
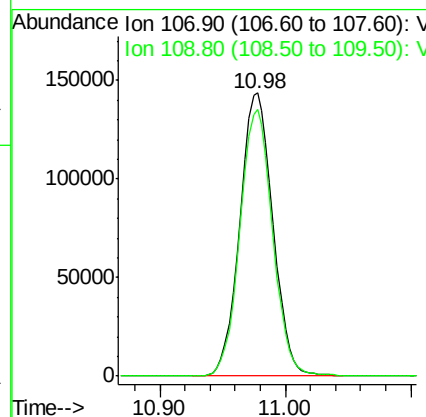
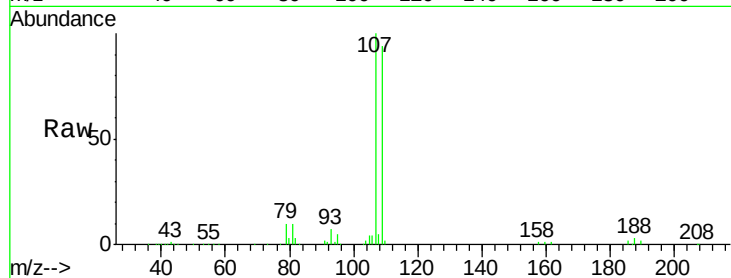
#61
 1,2-Dibromoethane
 Concen: 53.426 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064118.D
 Acq: 14 Oct 2020 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101420

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	75.2	112.8

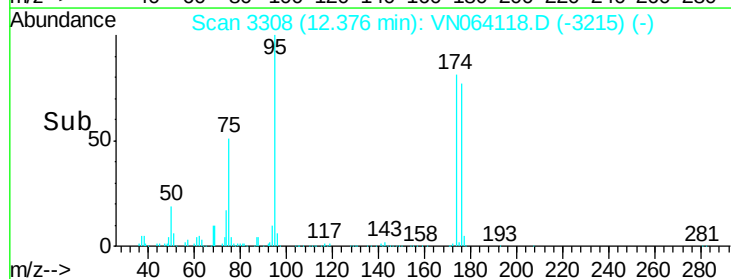
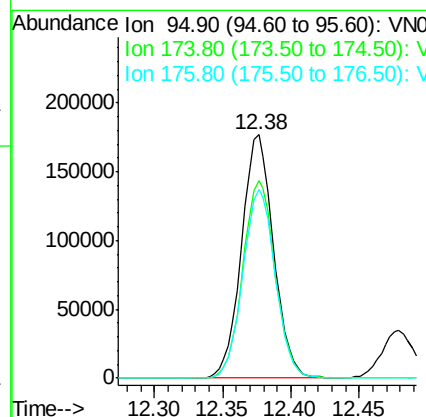
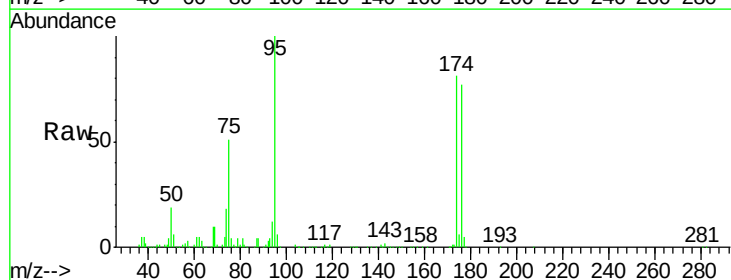
Manual Integrations
 APPROVED

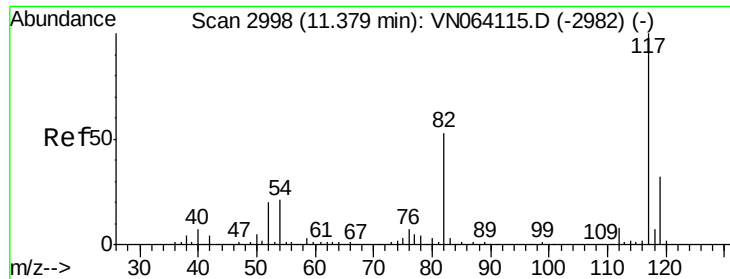
MMDadoda
 10/15/2020 12:17:30 PM



#62
 4-Bromofluorobenzene
 Concen: 49.346 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064118.D
 Acq: 14 Oct 2020 17:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.9	0.0	164.8
176	78.6	0.0	157.8





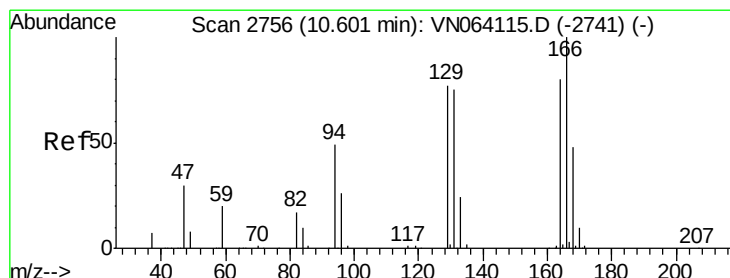
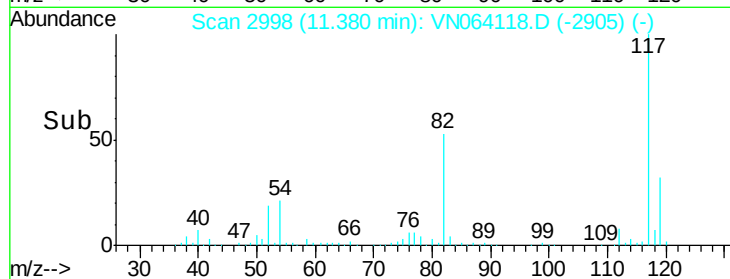
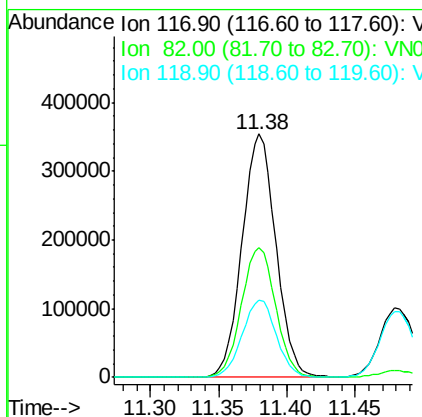
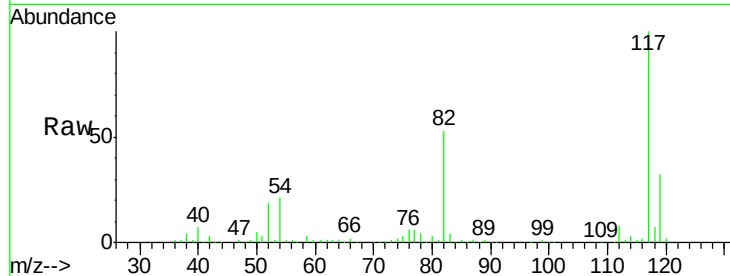
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101420

Tot Ion	Ratio	Resp	Lower	Upper
117	100	609705		
82	53.4		42.6	63.8
119	31.6		25.5	38.3

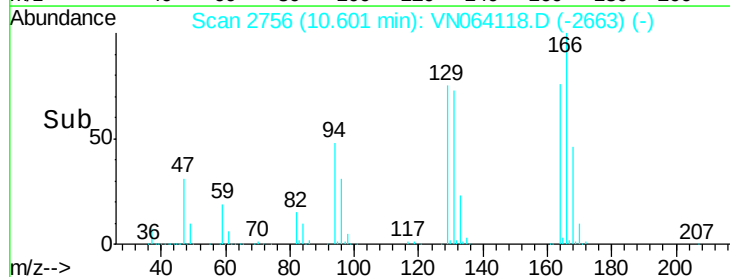
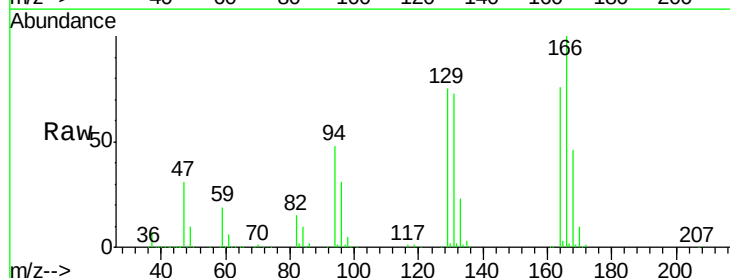
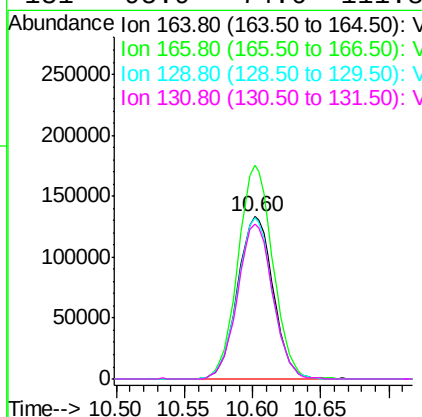
Manual Integrations
APPROVED

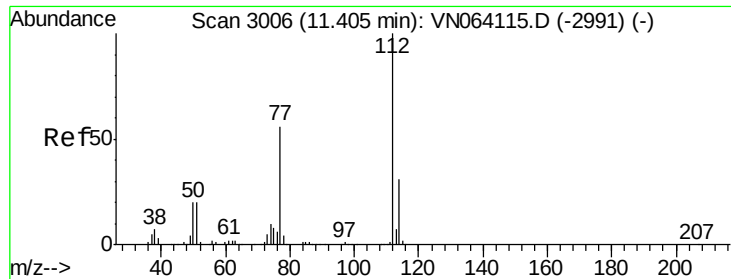
MMDadoda
10/15/2020 12:17:30 PM



#64
Tetrachloroethene
Concen: 52.380 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	240780		
166	131.7		99.7	149.5
129	99.1		77.0	115.4
131	95.9		74.6	111.8





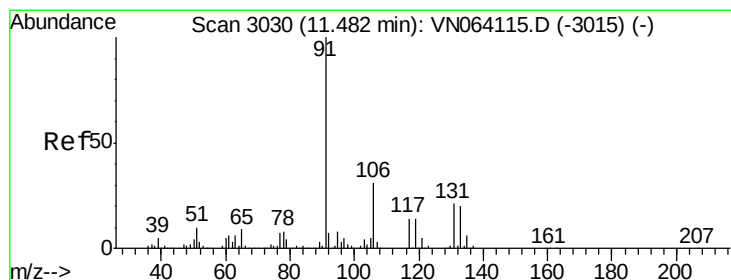
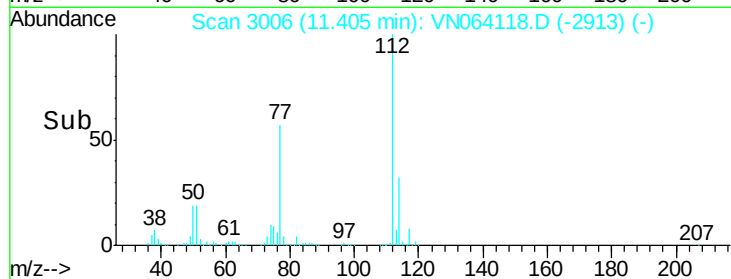
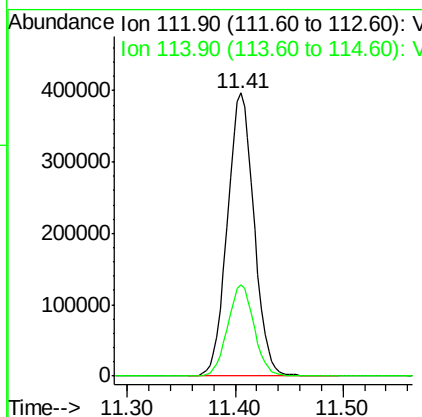
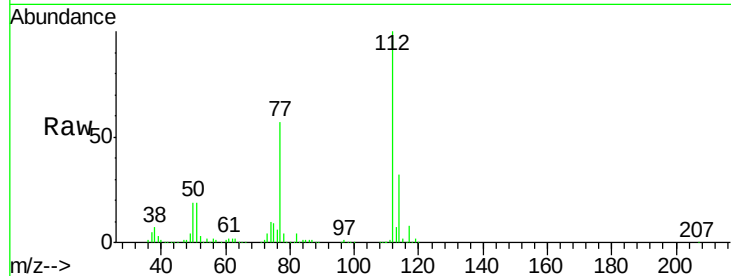
#65
Chlorobenzene
Concen: 53.274 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101420

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	24.6	37.0

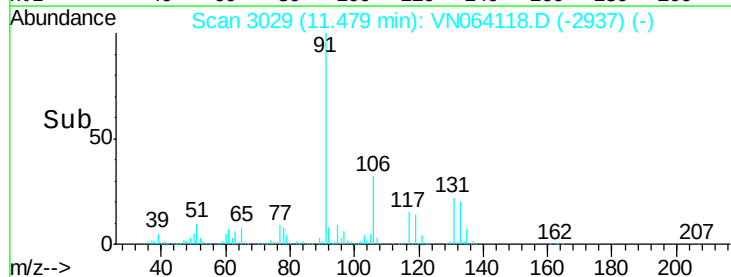
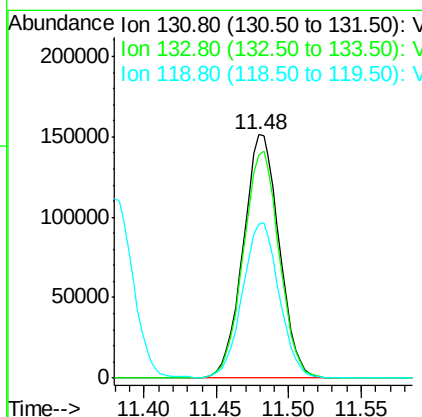
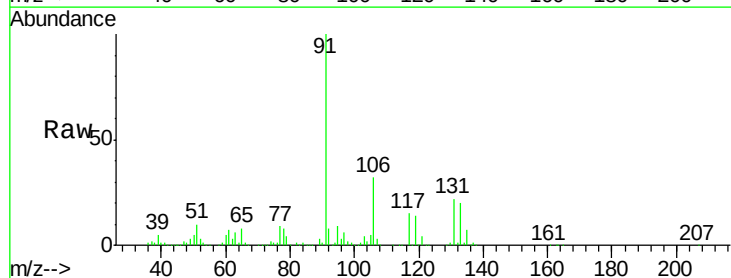
Manual Integrations
APPROVED

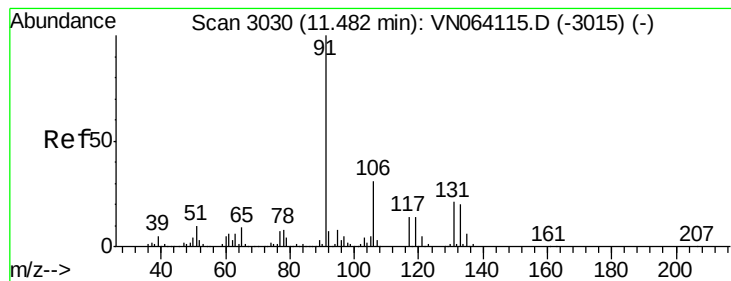
MMDadoda
10/15/2020 12:17:30 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.742 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.0	47.3	141.9
119	64.9	32.8	98.4





#67

Ethyl Benzene

Concen: 56.139 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101420

Tot Ion: 91 Resp: 1207448

Ion Ratio Lower Upper

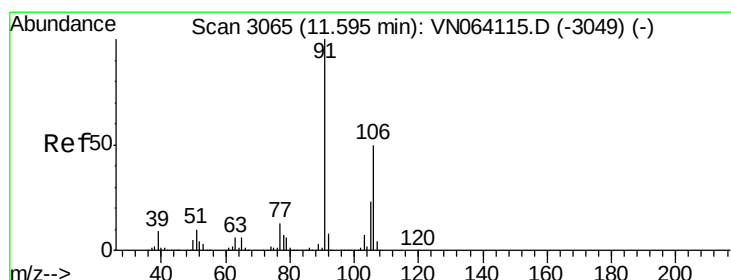
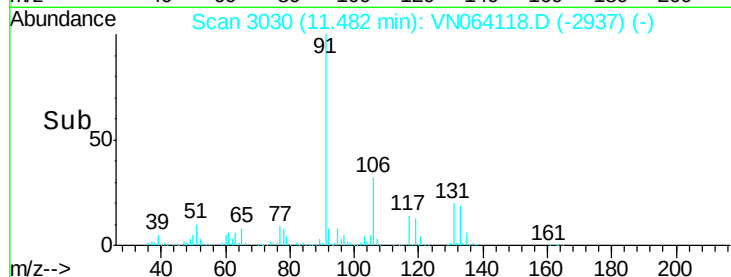
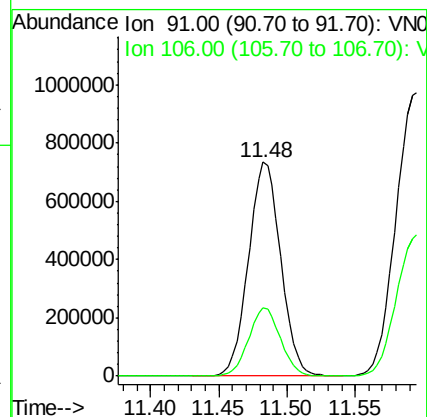
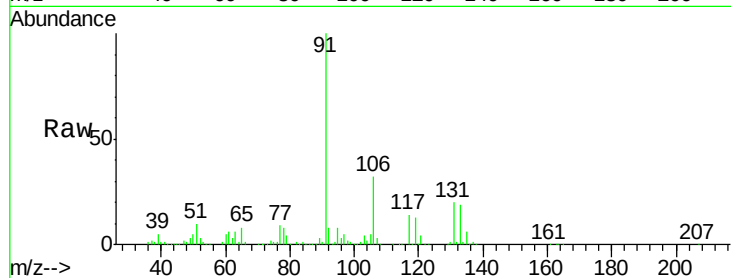
91 100

106 32.0 24.7 37.1

Manual Integrations
APPROVED

MMDadoda

10/15/2020 12:17:30 PM



#68

m/p-Xylenes

Concen: 105.303 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. 0.00 min

Lab File: VN064118.D

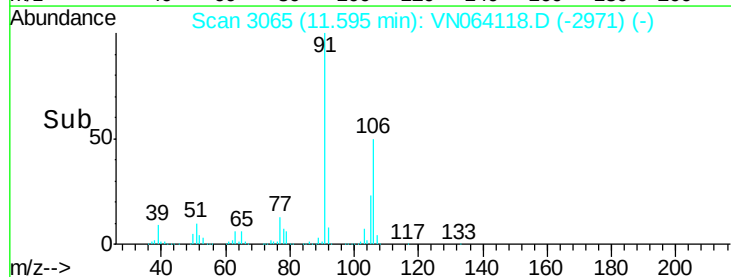
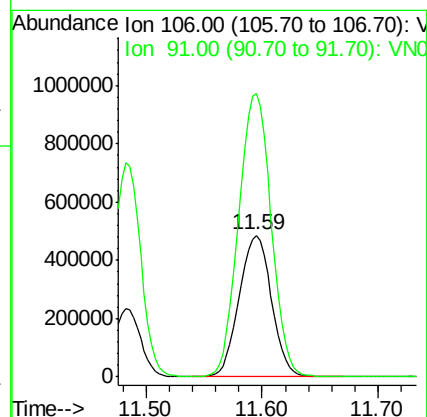
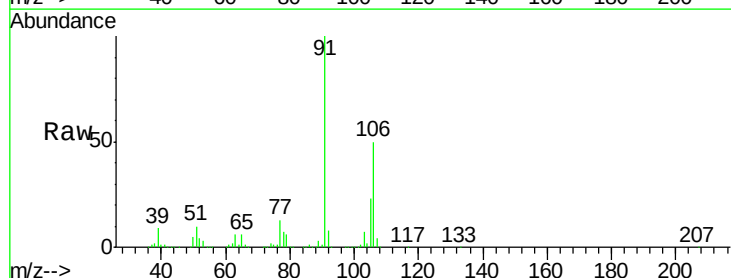
Acq: 14 Oct 2020 17:09

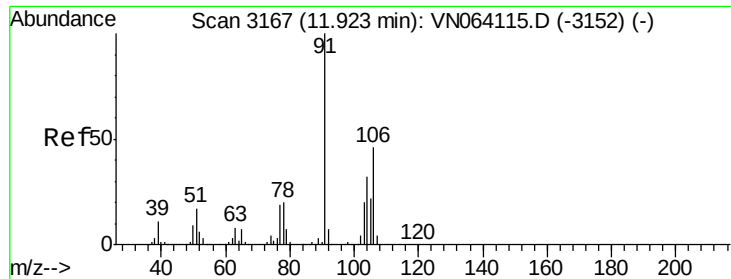
Tgt Ion: 106 Resp: 934725

Ion Ratio Lower Upper

106 100

91 201.6 162.1 243.1





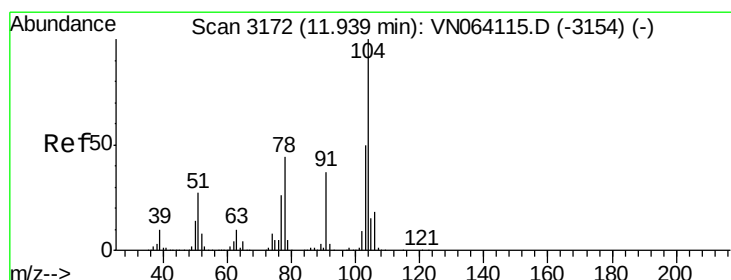
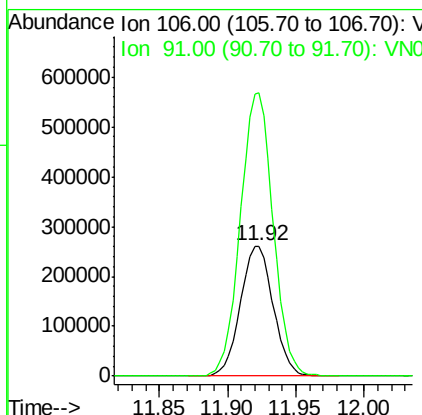
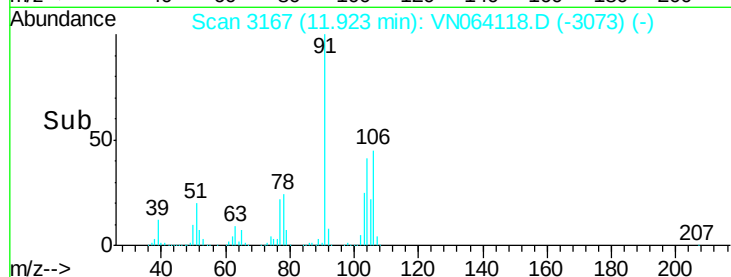
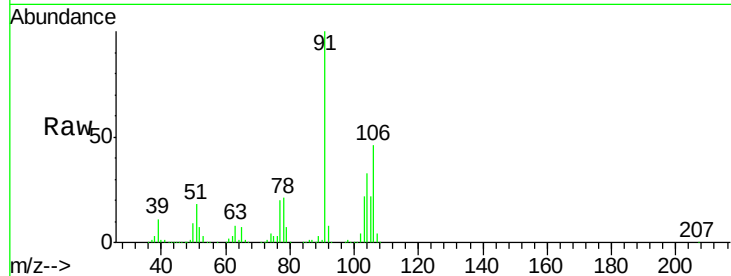
#69
o-Xylene
Concen: 51.349 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101420

Tot Ion:106 Resp: 436039
Ion Ratio Lower Upper
106 100
91 216.5 107.6 322.8

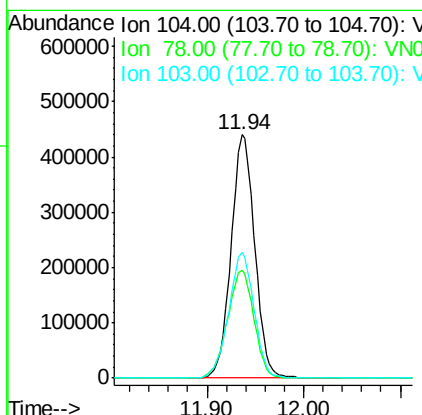
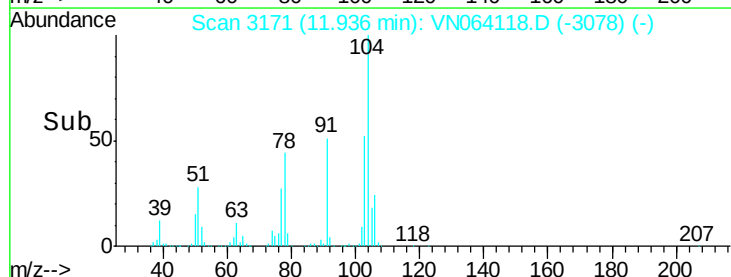
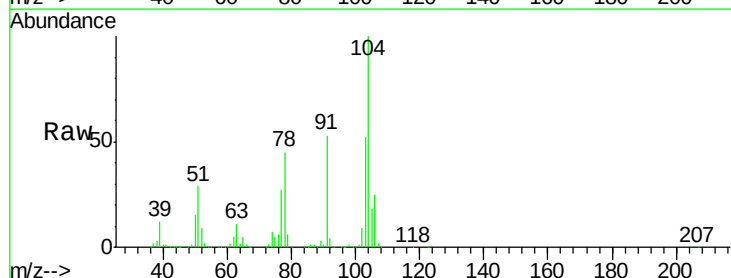
Manual Integrations
APPROVED

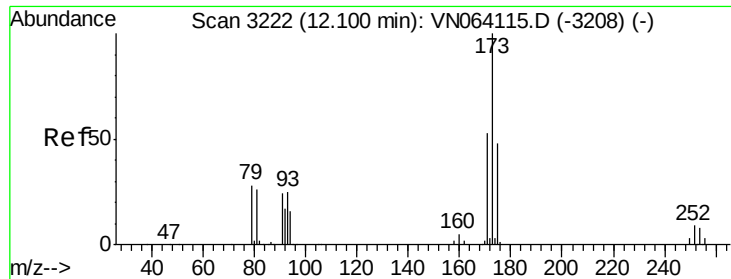
MMDadoda
10/15/2020 12:17:30 PM



#70
Styrene
Concen: 51.172 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Tgt Ion:104 Resp: 749371
Ion Ratio Lower Upper
104 100
78 49.5 39.7 59.5
103 55.3 44.2 66.2





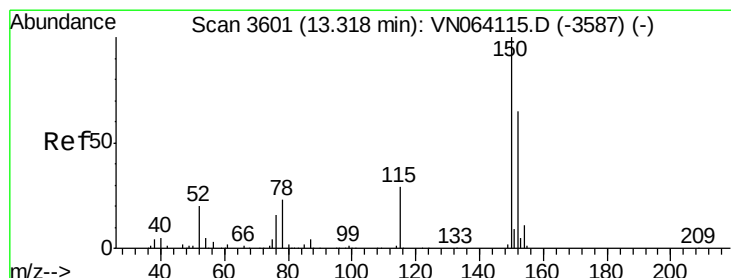
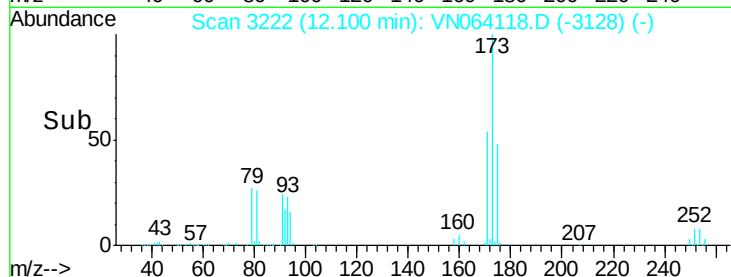
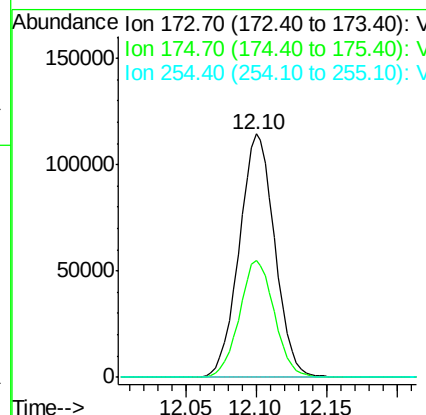
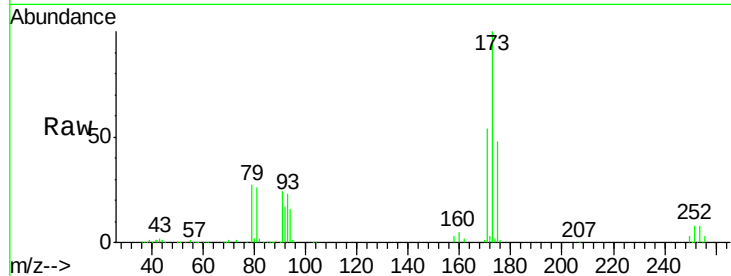
#71
Bromoform
Concen: 49.959 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101420

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.3	23.4	70.2
254	0.1	0.1	0.1

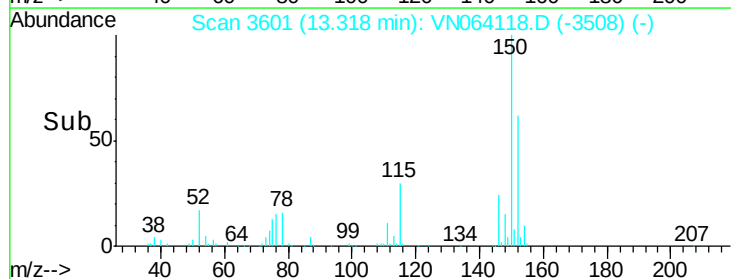
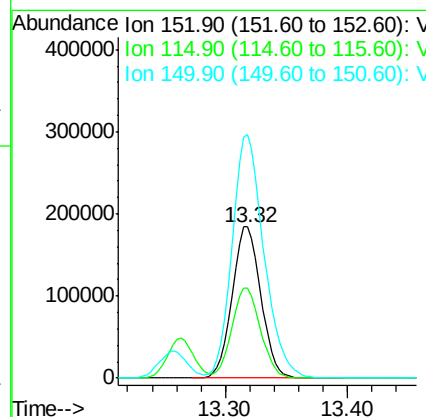
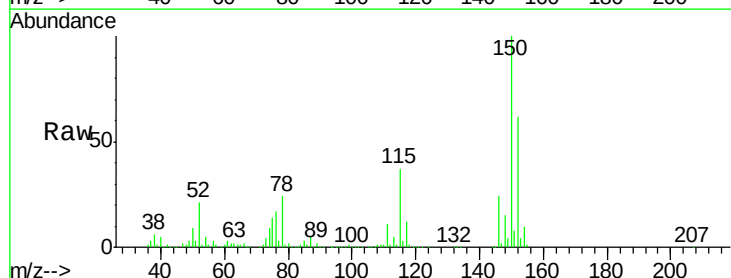
Manual Integrations
APPROVED

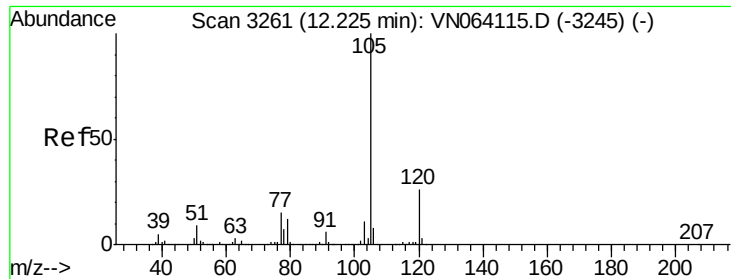
MMDadoda
10/15/2020 12:17:30 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.5	29.3	87.8
150	175.8	0.0	346.0





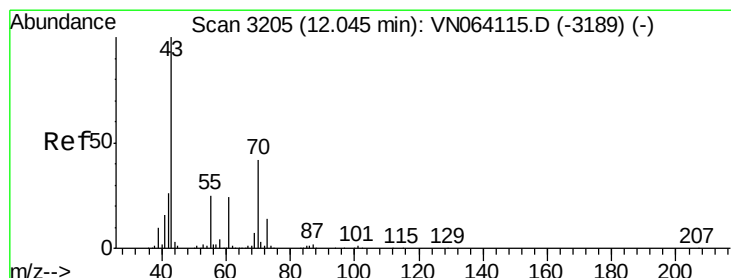
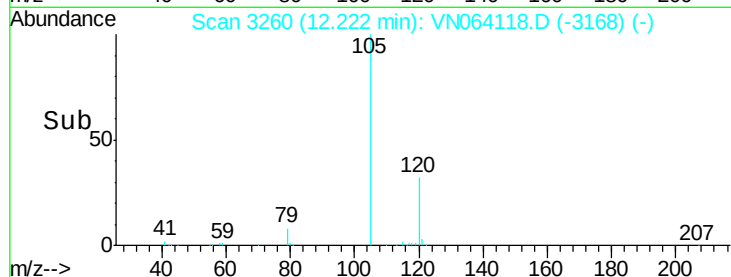
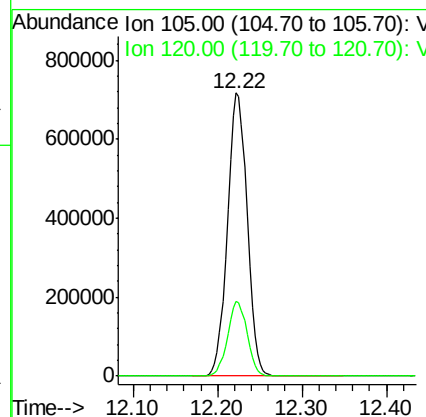
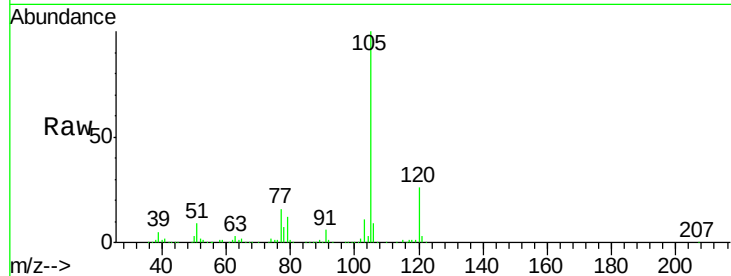
#73
Isopropylbenzene
Concen: 52.674 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101420

Tot Ion:105 Resp: 1161671
Ion Ratio Lower Upper
105 100
120 26.2 13.2 39.5

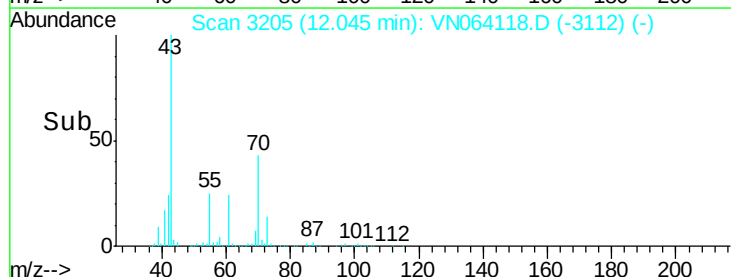
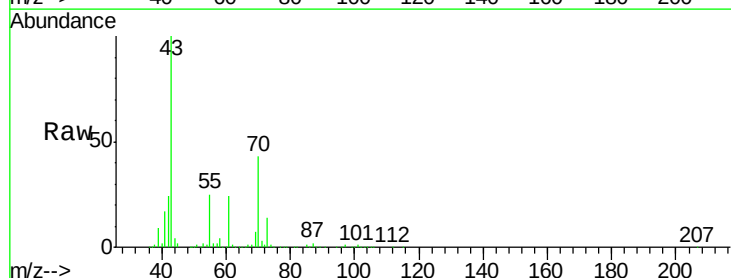
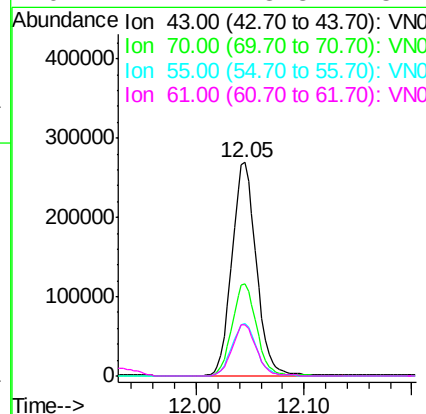
Manual Integrations
APPROVED

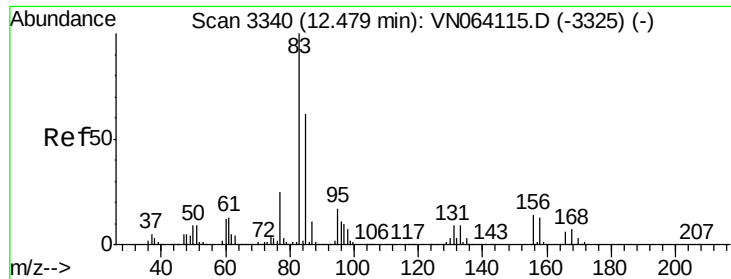
MMDadoda
10/15/2020 12:17:30 PM



#74
N-ethyl acetate
Concen: 51.821 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Tgt Ion: 43 Resp: 427987
Ion Ratio Lower Upper
43 100
70 43.3 33.2 49.8
55 25.1 19.9 29.9
61 24.1 18.8 28.2





#75

1,1,2,2-Tetrachloroethane

Concen: 46.597 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Instrument :

MSVOA_N

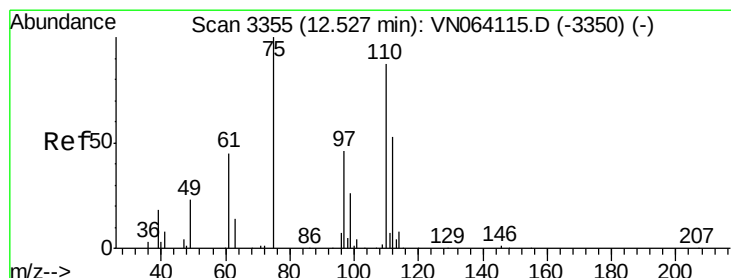
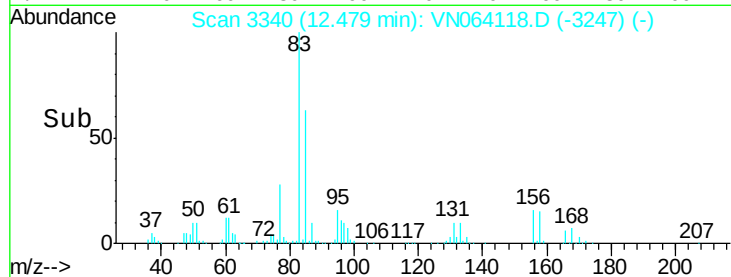
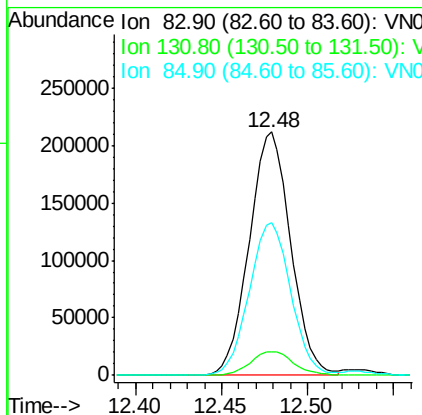
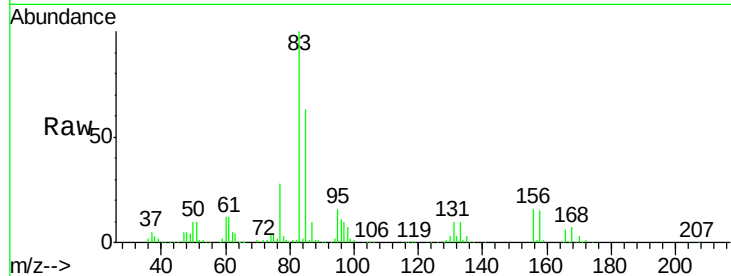
ClientSampleId :

ICVVN101420

Tot Ion:	83	Resp:	353808
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.0	15.0
85	62.8	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
10/15/2020 12:17:30 PM



#76

1,2,3-Trichloropropane

Concen: 43.339 ug/l m

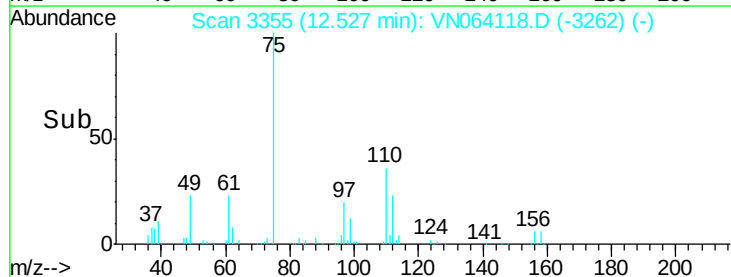
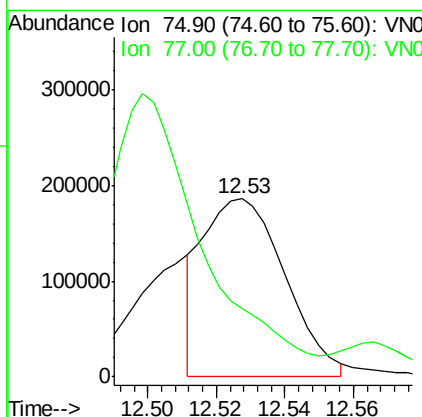
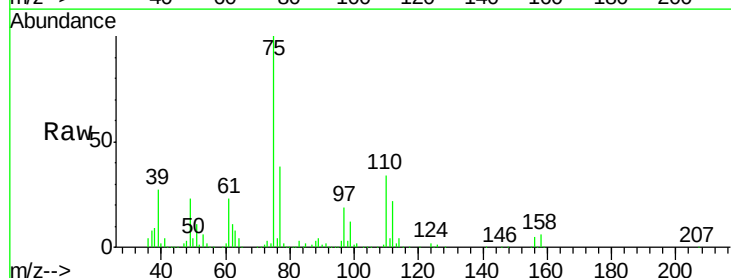
RT: 12.53 min Scan# 3355

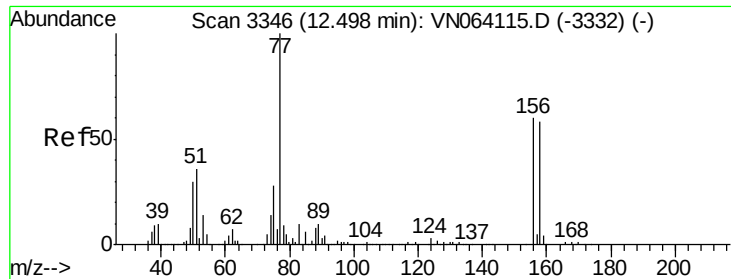
Delta R.T. 0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Tgt Ion:	75	Resp:	309567
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





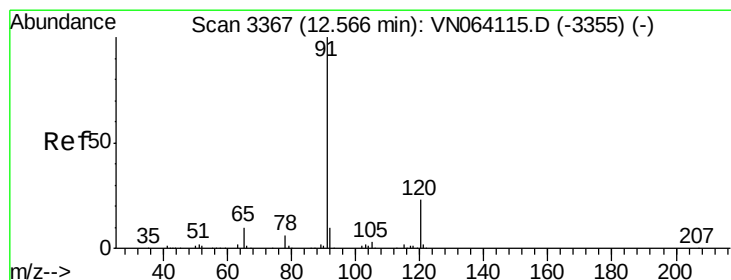
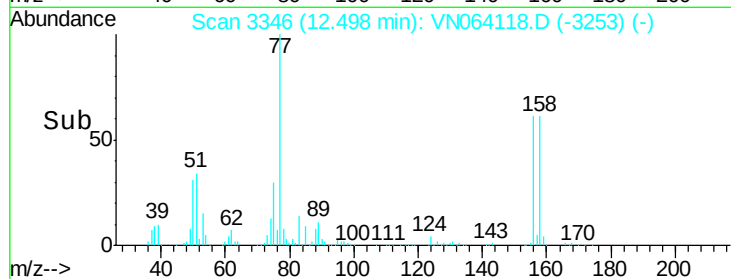
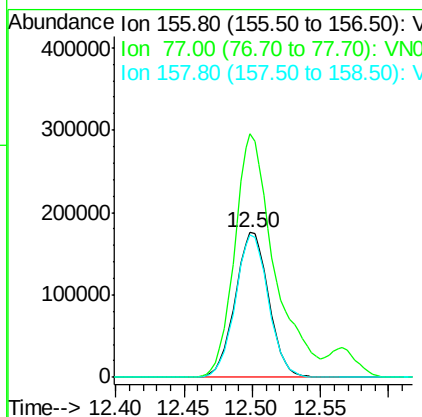
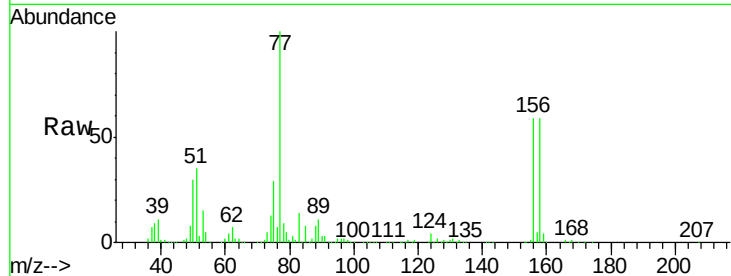
#77
Bromobenzene
Concen: 50.088 ug/l
RT: 12.50 min Scan# 3346
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101420

Tot Ion	Ratio	Lower	Upper
156	100		
77	198.7	99.3	297.9
158	97.5	48.6	145.9

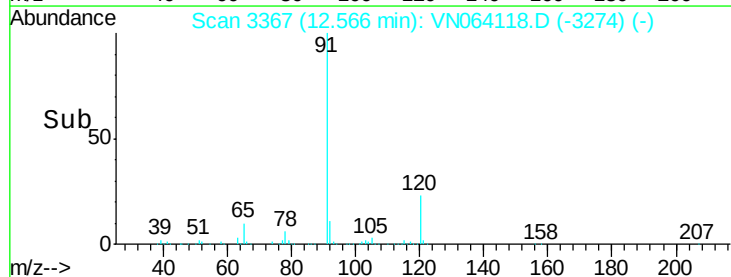
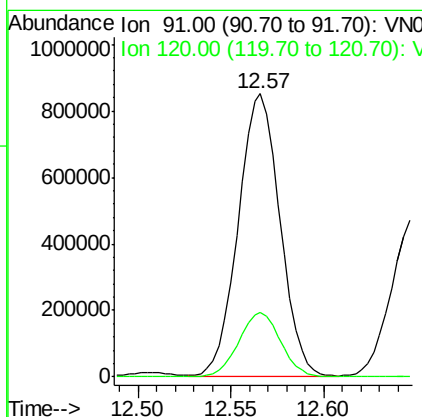
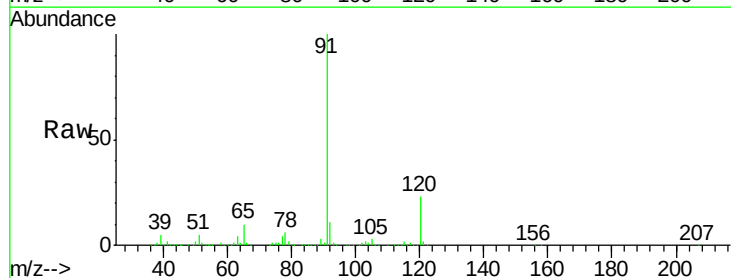
Manual Integrations
APPROVED

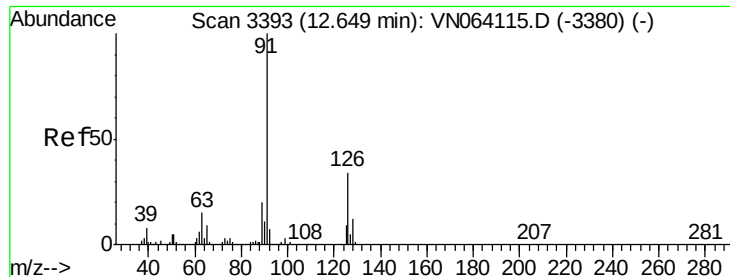
MMDadoda
10/15/2020 12:17:30 PM



#78
n-propylbenzene
Concen: 53.806 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.5	34.5





#79

2-Chlorotoluene

Concen: 50.178 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101420

Tot Ion: 91 Resp: 785552

Ion Ratio Lower Upper

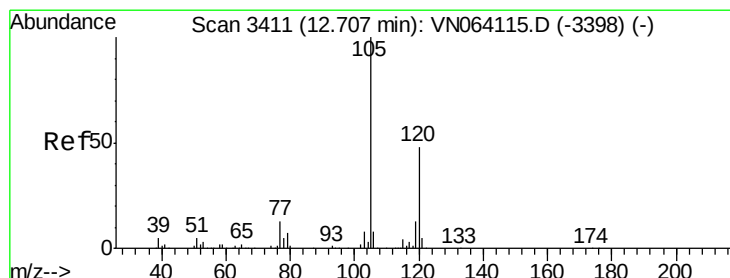
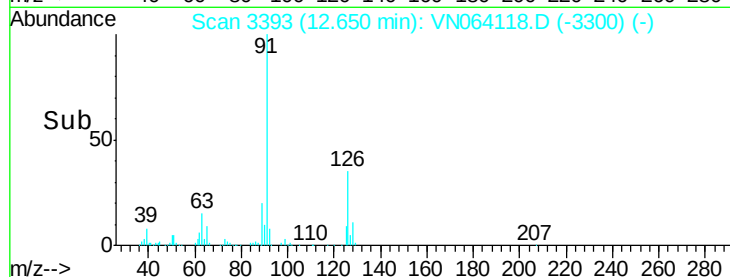
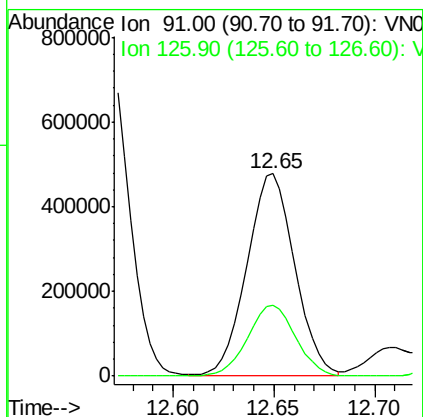
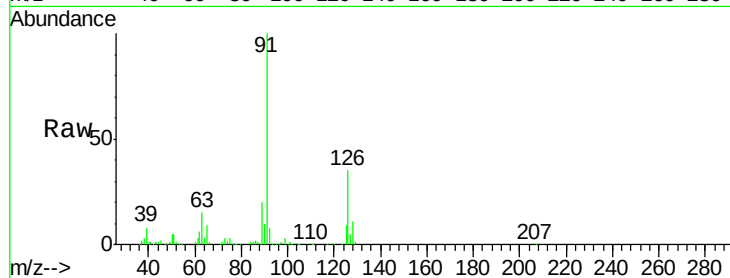
91 100

126 35.4 17.5 52.5

Manual Integrations
APPROVED

MMDadoda

10/15/2020 12:17:30 PM



#80

1,3,5-Trimethylbenzene

Concen: 54.423 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064118.D

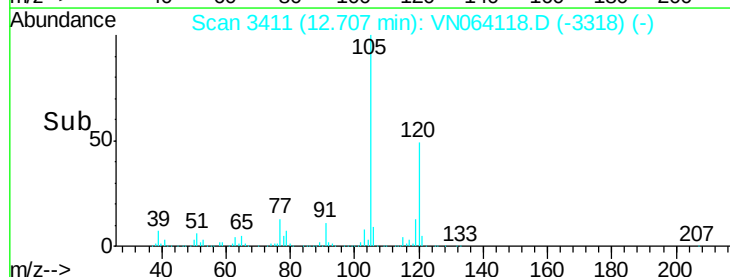
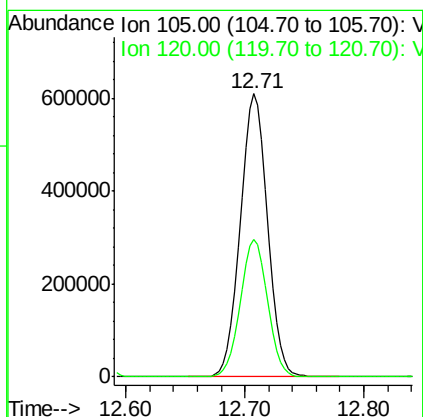
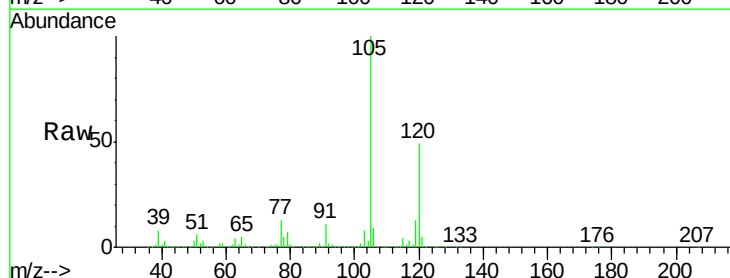
Acq: 14 Oct 2020 17:09

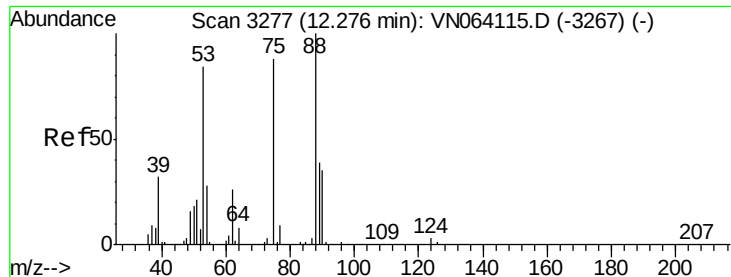
Tgt Ion: 105 Resp: 963378

Ion Ratio Lower Upper

105 100

120 48.7 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 51.838 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Instrument :

MSVOA_N

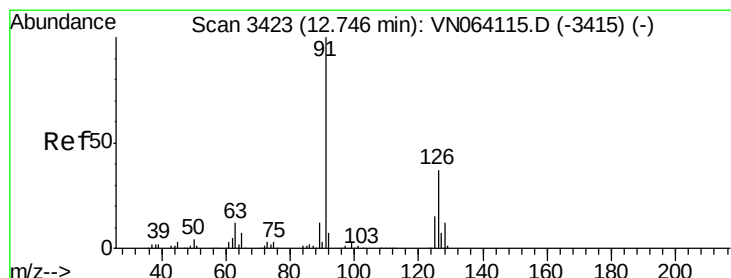
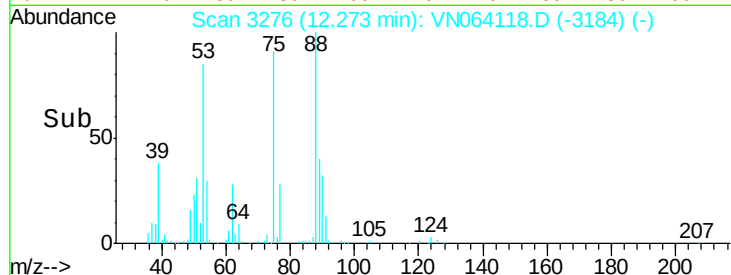
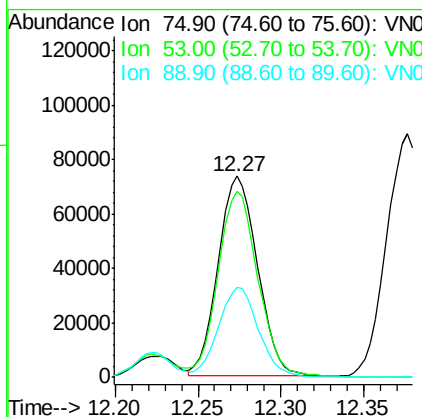
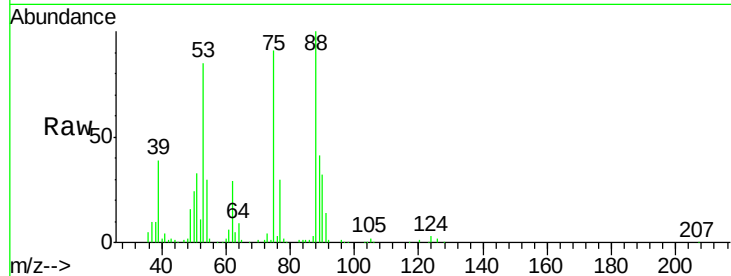
ClientSampleId :

ICVVN101420

Tot Ion:	75	Resp:	121197
Ion Ratio	Lower	Upper	
75	100		
53	94.5	75.7	113.5
89	45.4	36.6	55.0

Manual Integrations
APPROVED

MMDadoda
10/15/2020 12:17:30 PM



#82

4-Chlorotoluene

Concen: 53.580 ug/l

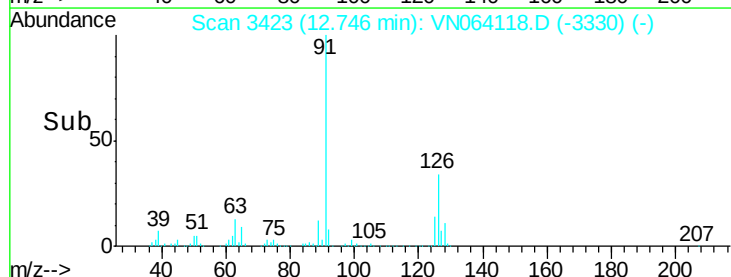
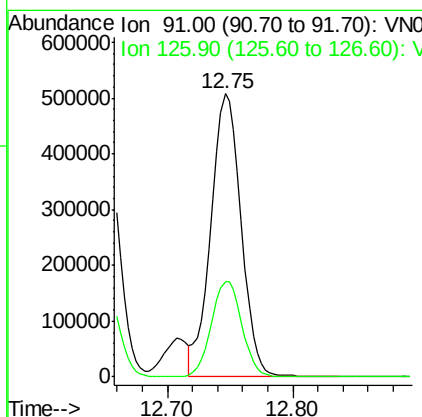
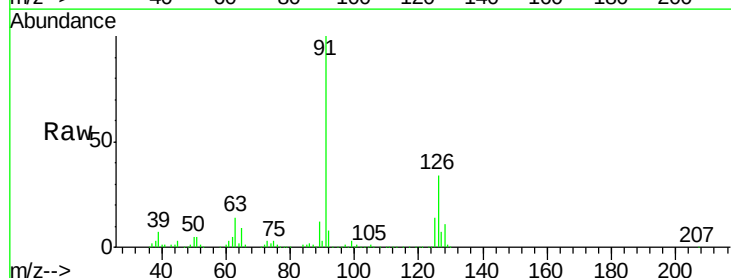
RT: 12.75 min Scan# 3423

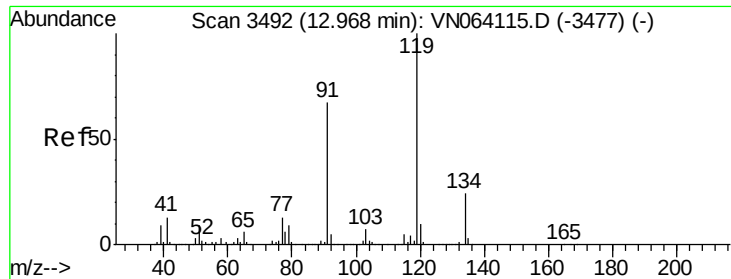
Delta R.T. 0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Tgt Ion:	91	Resp:	845399
Ion Ratio	Lower	Upper	
91	100		
126	34.1	17.1	51.2





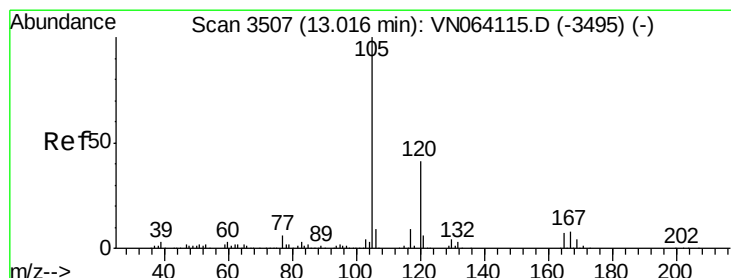
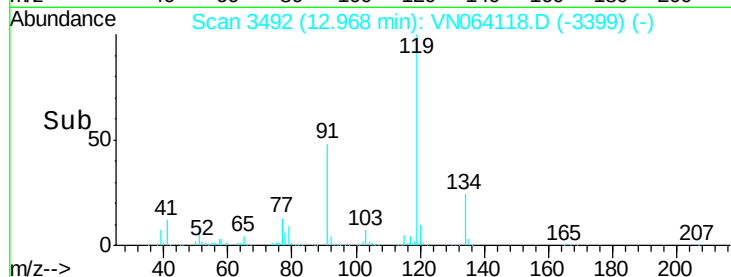
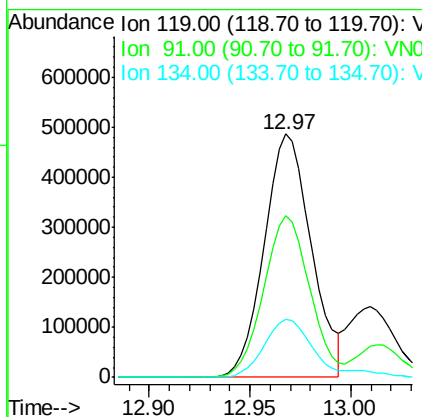
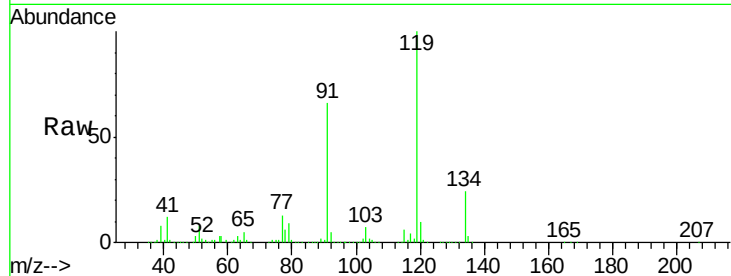
#83
 tert-Butylbenzene
 Concen: 53.967 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN064118.D
 Acq: 14 Oct 2020 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101420

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.0	32.6	98.0
134	23.8	13.0	39.0

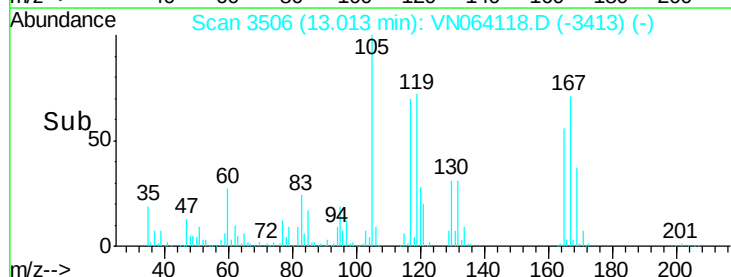
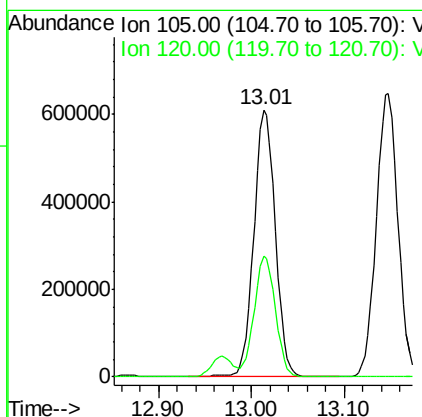
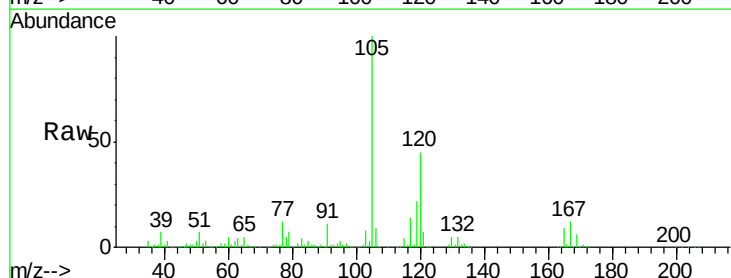
Manual Integrations
 APPROVED

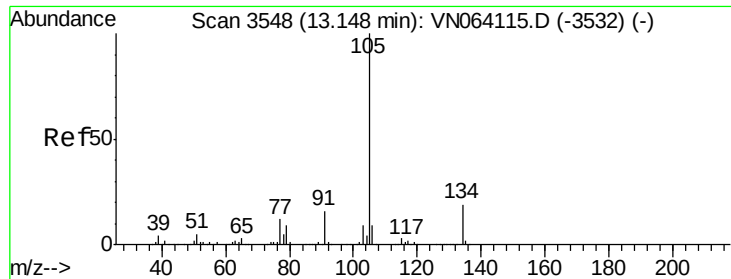
MMDadoda
 10/15/2020 12:17:30 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 53.041 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN064118.D
 Acq: 14 Oct 2020 17:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.8	68.4





#85

sec-Butylbenzene

Concen: 55.697 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101420

Tot Ion:105 Resp: 1048218

Ion Ratio Lower Upper

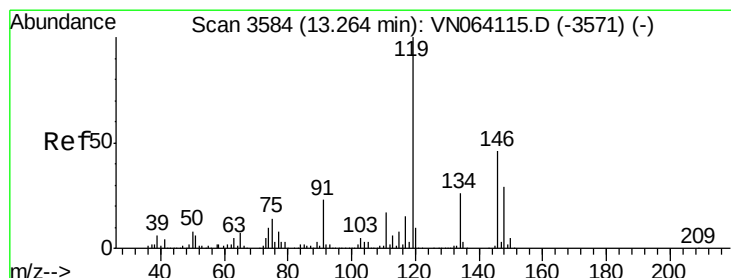
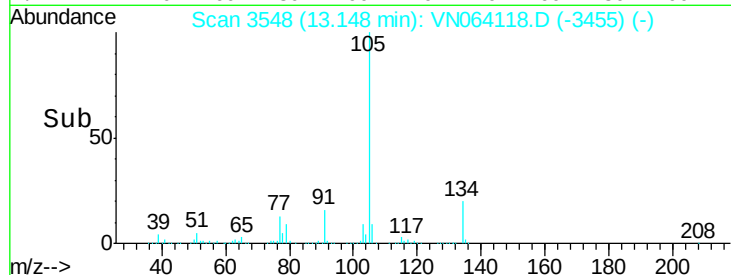
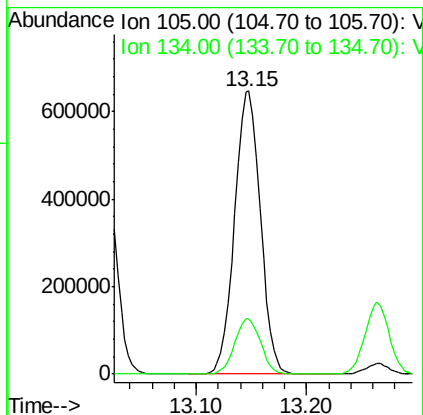
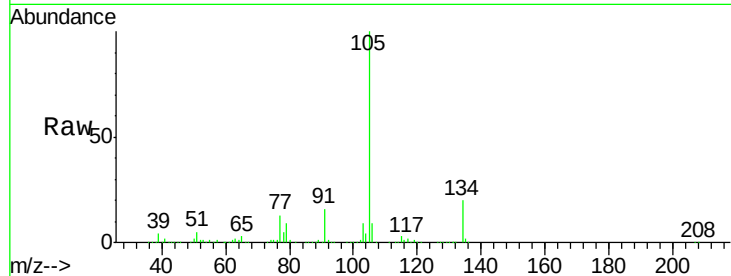
105 100

134 19.8 9.7 29.1

Manual Integrations
APPROVED

MMDadoda

10/15/2020 12:17:30 PM



#86

p-Isopropyltoluene

Concen: 53.660 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

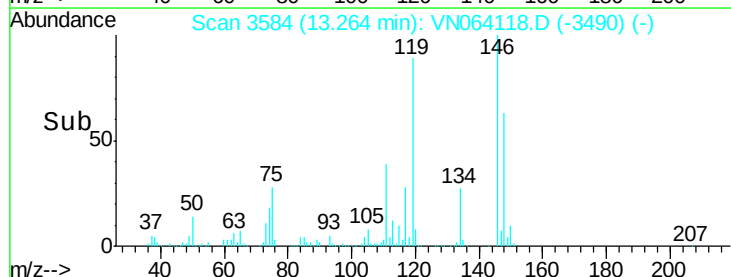
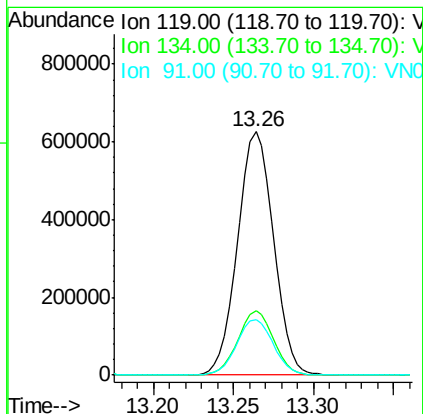
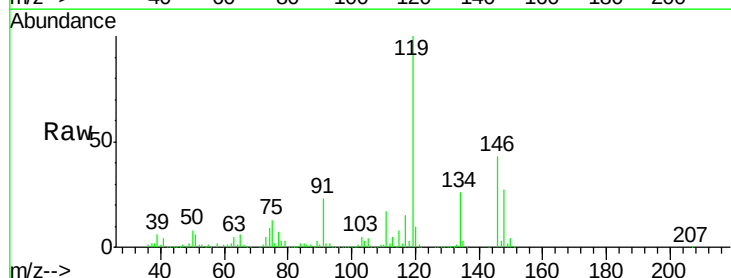
Tgt Ion:119 Resp: 956049

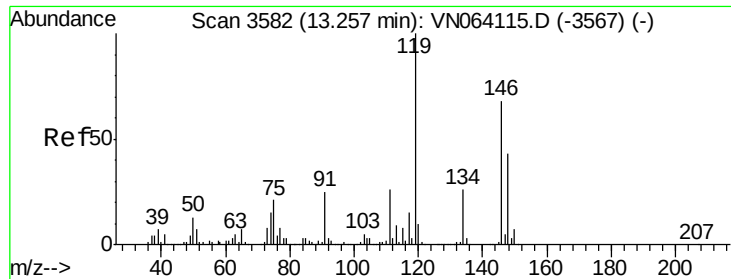
Ion Ratio Lower Upper

119 100

134 26.3 13.2 39.5

91 23.0 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 53.967 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN064118.D

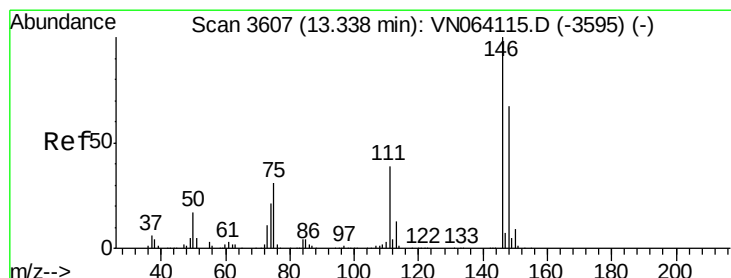
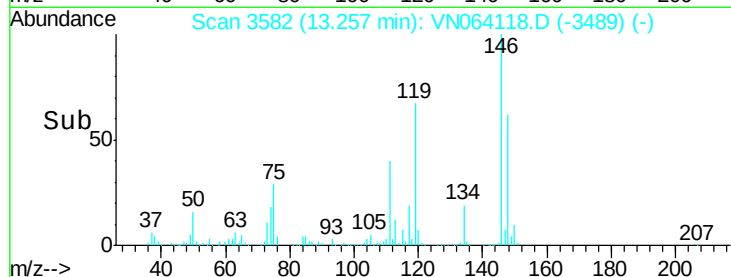
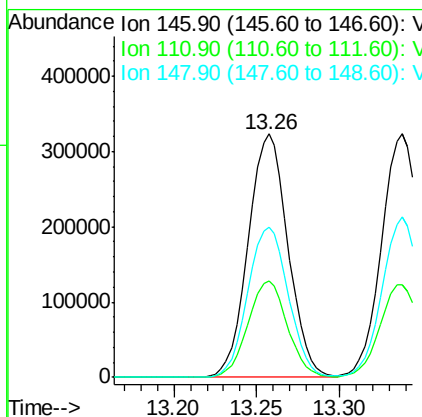
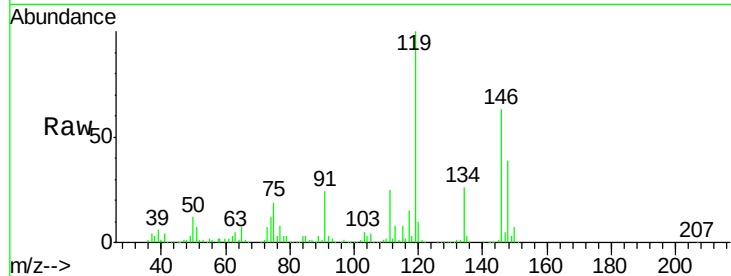
Acq: 14 Oct 2020 17:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101420

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.1
148	63.1	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
10/15/2020 12:17:30 PM



#88

1,4-Dichlorobenzene

Concen: 52.587 ug/l

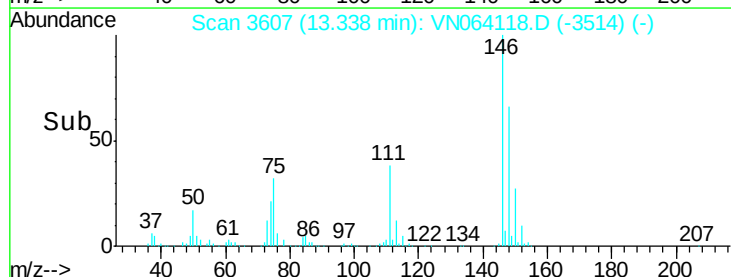
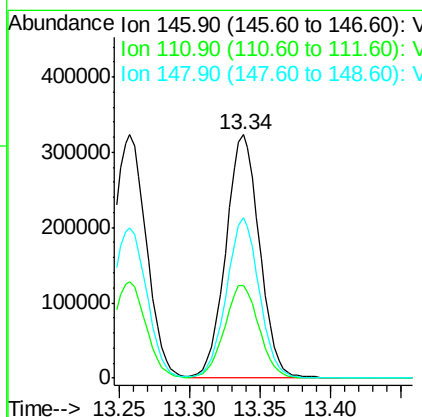
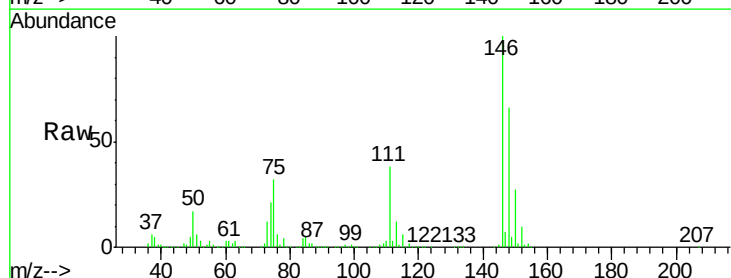
RT: 13.34 min Scan# 3607

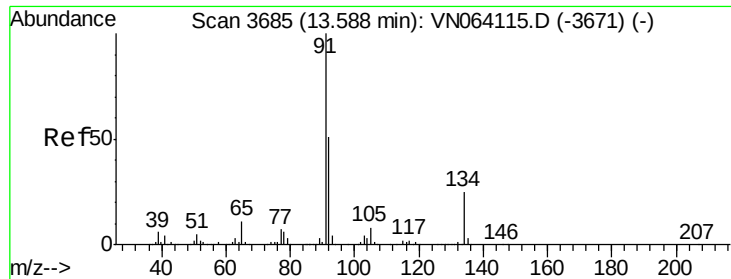
Delta R.T. 0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.3	57.9
148	64.5	32.1	96.5





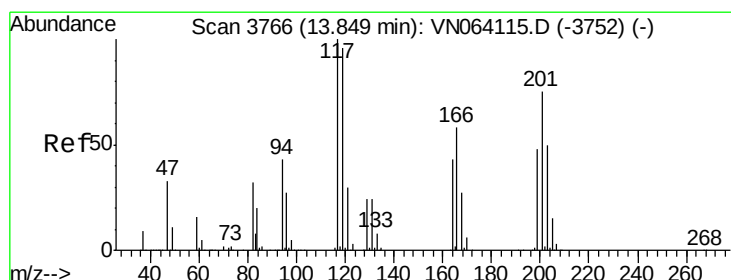
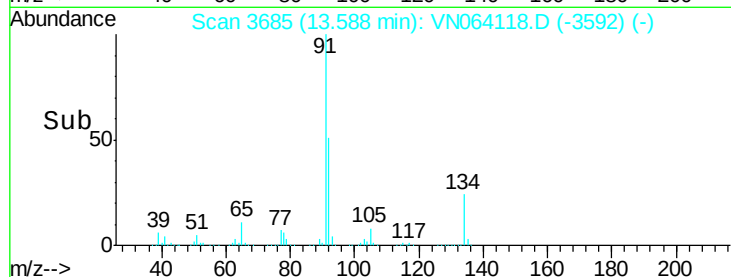
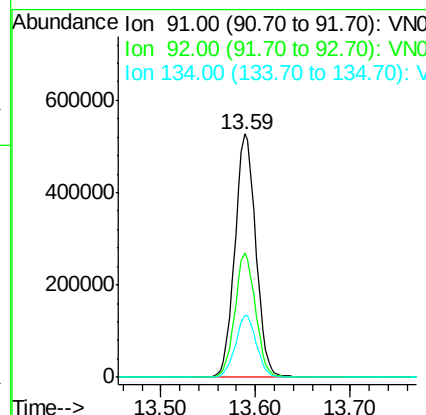
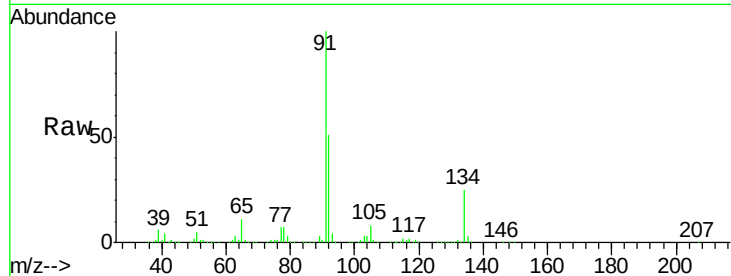
#89
n-Butylbenzene
Concen: 59.290 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101420

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.4	25.6	76.6
134	25.5	12.6	37.8

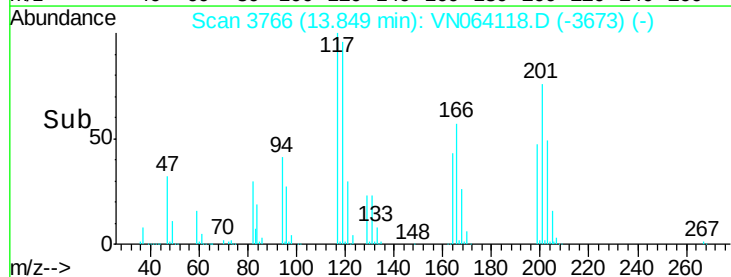
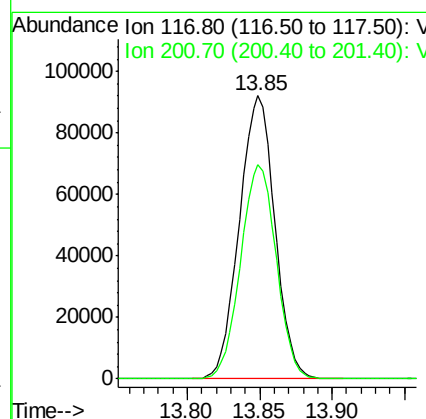
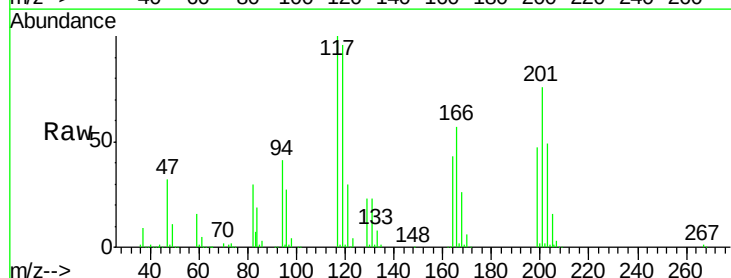
Manual Integrations
APPROVED

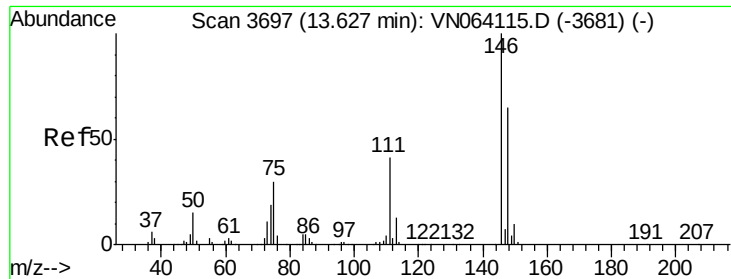
MMDadoda
10/15/2020 12:17:30 PM



#90
Hexachloroethane
Concen: 50.057 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064118.D
Acq: 14 Oct 2020 17:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.1	37.4	112.2





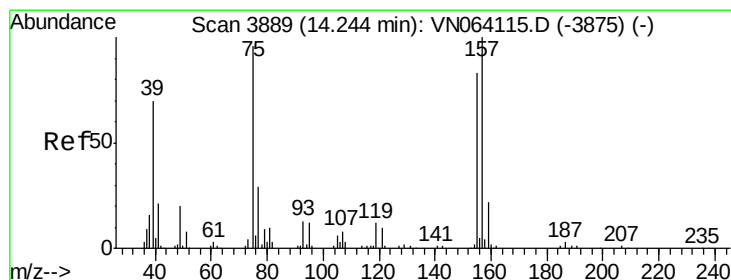
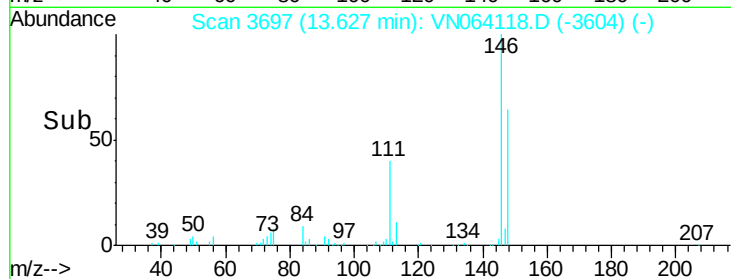
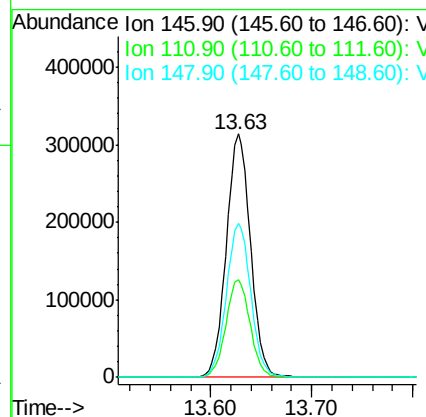
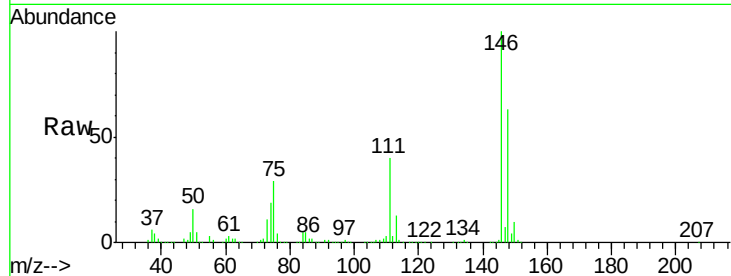
#91
 1,2-Dichlorobenzene
 Concen: 53.222 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064118.D
 Acq: 14 Oct 2020 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101420

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.3	60.8
148	63.8	32.2	96.6

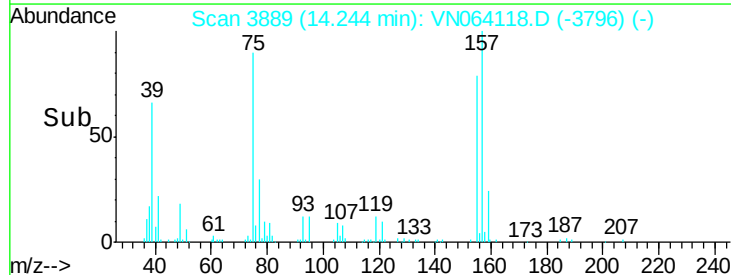
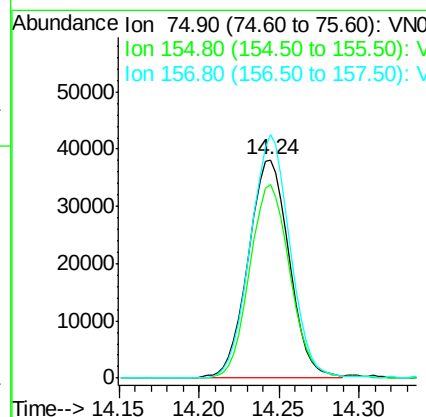
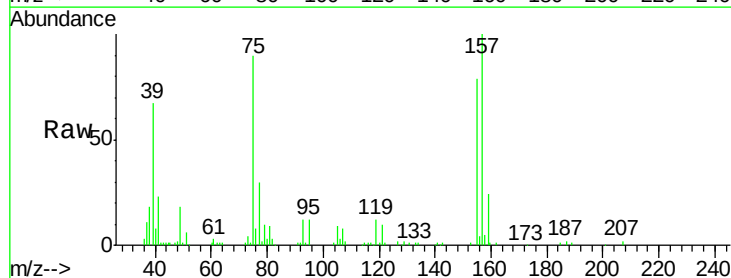
Manual Integrations
 APPROVED

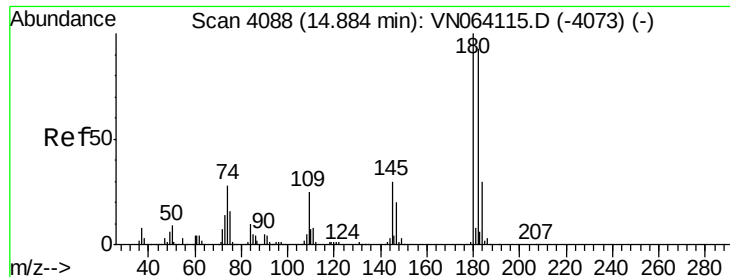
MMDadoda
 10/15/2020 12:17:30 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.763 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064118.D
 Acq: 14 Oct 2020 17:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.8	40.8	122.2
157	108.0	53.9	161.7





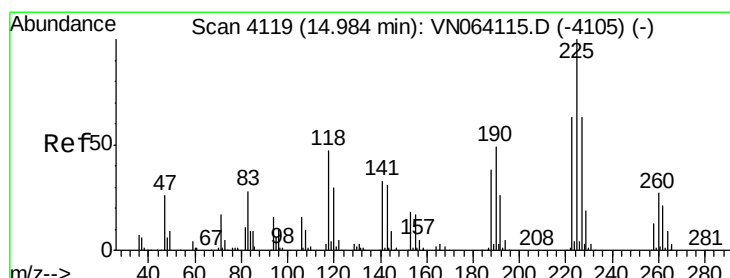
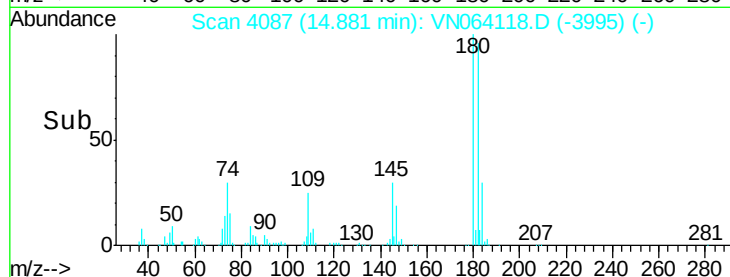
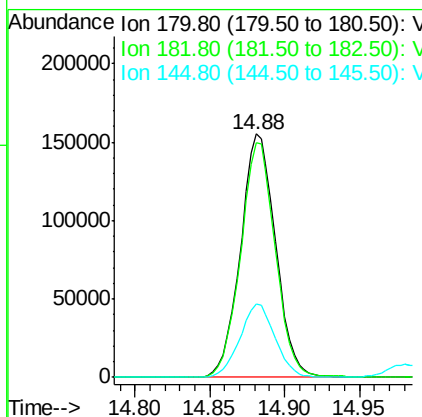
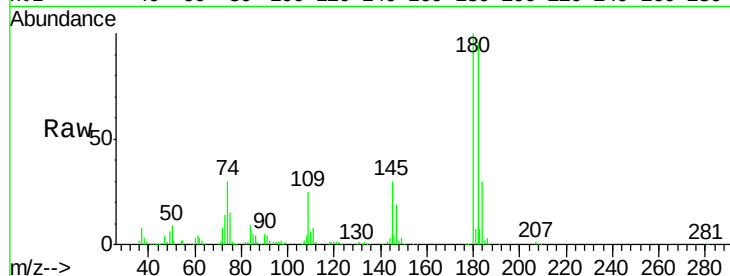
#93
 1,2,4-Trichlorobenzene
 Concen: 51.829 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064118.D
 Acq: 14 Oct 2020 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101420

Tot Ion	Ratio	Resp	Lower	Upper
180	100	253294		
182	95.7	45.8	137.4	
145	30.3	15.4	46.1	

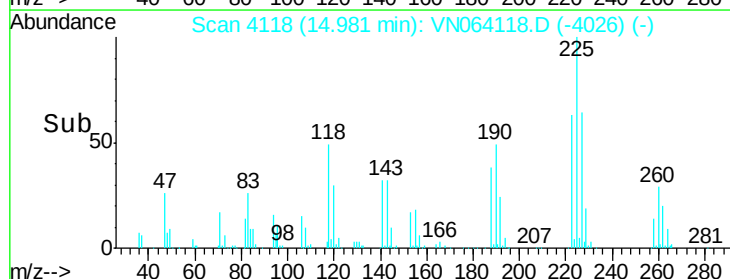
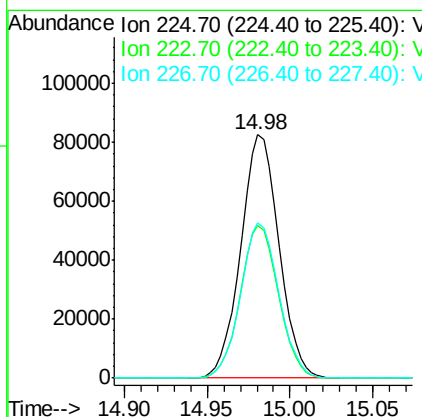
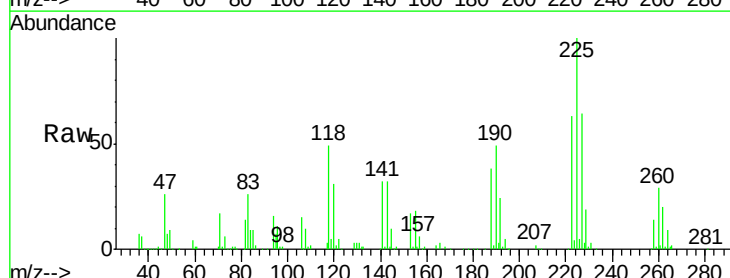
Manual Integrations
 APPROVED

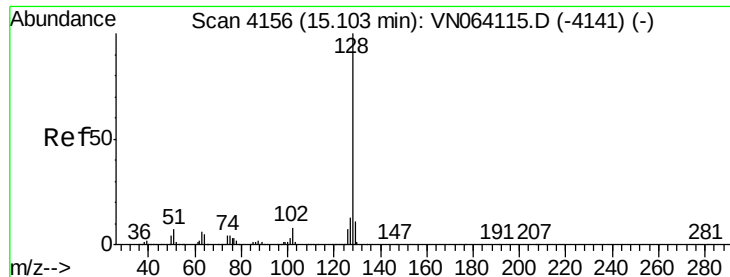
MMDadoda
 10/15/2020 12:17:30 PM



#94
 Hexachlorobutadiene
 Concen: 56.052 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064118.D
 Acq: 14 Oct 2020 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	132577		
223	62.7	32.3	96.9	
227	63.4	31.6	94.8	





#95

Naphthalene

Concen: 48.572 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Instrument :

MSVOA_N

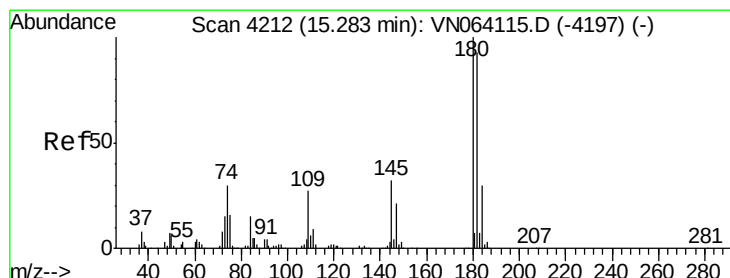
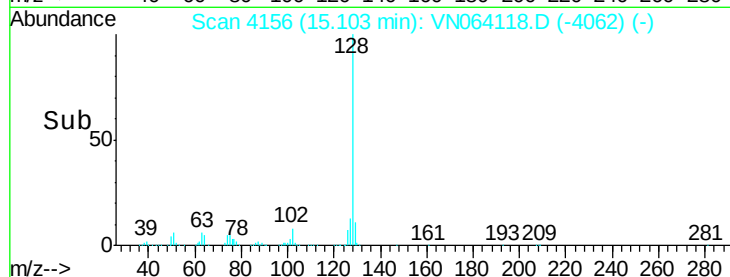
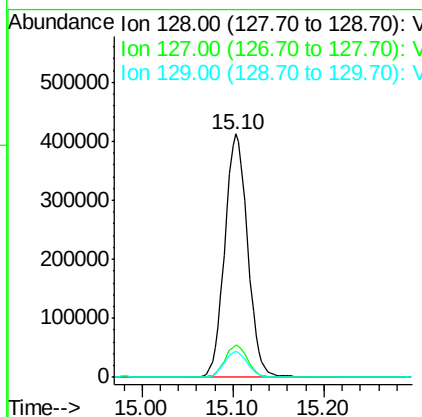
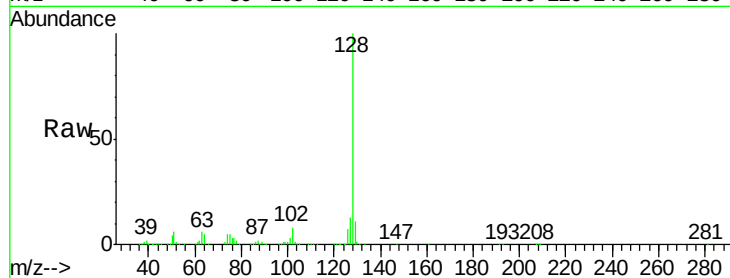
ClientSampleId :

ICVVN101420

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		722081		
127	13.2		10.2	15.4	
129	10.8		8.5	12.7	

Manual Integrations
APPROVED

MMDadoda
10/15/2020 12:17:30 PM



#96

1,2,3-Trichlorobenzene

Concen: 51.454 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064118.D

Acq: 14 Oct 2020 17:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		250455		
182	94.7		46.6	139.8	
145	31.6		16.1	48.2	

