

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111120\
 Data File : VN064547.D
 Acq On : 11 Nov 2020 11:55
 Operator : JC/MD
 Sample : VN1111WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/12/2020 9:12:20 AM

Quant Time: Nov 12 01:57:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	310779	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	538967	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	511045	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	226998	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	256833	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	
35) Dibromofluoromethane	7.55	113	177578	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
50) Toluene-d8	10.06	98	667653	47.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.14%	
62) 4-Bromofluorobenzene	12.38	95	245521	45.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	70397	17.401	ug/l	99
3) Chloromethane	2.04	50	83554	17.004	ug/l	96
4) Vinyl Chloride	2.17	62	89605	17.757	ug/l	98
5) Bromomethane	2.54	94	61899	19.202	ug/l	92
6) Chloroethane	2.68	64	58430	18.086	ug/l	97
7) Trichlorofluoromethane	2.99	101	141085	18.988	ug/l	97
8) Diethyl Ether	3.37	74	47357	18.048	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.71	101	65407	18.537	ug/l	99
10) Methyl Iodide	3.91	142	72330	17.642	ug/l	98
11) Tert butyl alcohol	4.75	59	54810	91.813	ug/l #	81
12) 1,1-Dichloroethene	3.69	96	59563	17.921	ug/l	95
13) Acrolein	3.56	56	28764	77.679	ug/l	100
14) Allyl chloride	4.27	41	112665	17.328	ug/l	100
15) Acrylonitrile	4.94	53	150911	90.798	ug/l	97
16) Acetone	3.78	43	174482	84.617	ug/l	99
17) Carbon Disulfide	4.01	76	175738	17.681	ug/l	97
18) Methyl Acetate	4.28	43	80132	19.767	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	205558	17.184	ug/l	100
20) Methylene Chloride	4.50	84	74121	18.117	ug/l	94
21) trans-1,2-Dichloroethene	4.99	96	67124	17.787	ug/l	97
22) Diisopropyl ether	5.91	45	239467	17.351	ug/l	98
23) Vinyl Acetate	5.85	43	973500	86.705	ug/l	100
24) 1,1-Dichloroethane	5.80	63	135555	17.873	ug/l	99
25) 2-Butanone	6.79	43	236331	89.952	ug/l	97
26) 2,2-Dichloropropane	6.78	77	122670	17.868	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	78170	17.876	ug/l	95
28) Bromochloromethane	7.15	49	59885	16.064	ug/l	99
29) Tetrahydrofuran	7.17	42	143223	88.853	ug/l	99
30) Chloroform	7.33	83	148138	18.582	ug/l	99
31) Cyclohexane	7.61	56	109181	16.592	ug/l #	93
32) 1,1,1-Trichloroethane	7.53	97	128838	18.221	ug/l	99
36) 1,1-Dichloropropene	7.75	75	101710	17.863	ug/l	99
37) Ethyl Acetate	6.89	43	100080	17.817	ug/l	99
38) Carbon Tetrachloride	7.73	117	117284	19.273	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111120\
 Data File : VN064547.D
 Acq On : 11 Nov 2020 11:55
 Operator : JC/MD
 Sample : VN1111WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/12/2020 9:12:20 AM

Quant Time: Nov 12 01:57:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	87245	17.093	ug/l	93
40) Benzene	8.00	78	298164	17.821	ug/l	99
41) Methacrylonitrile	7.13	41	44018	17.437	ug/l #	88
42) 1,2-Dichloroethane	8.09	62	125293	18.556	ug/l	100
43) Isopropyl Acetate	8.13	43	161248	17.475	ug/l	98
44) Trichloroethene	8.80	130	75176	17.809	ug/l	95
45) 1,2-Dichloropropane	9.08	63	82038	18.376	ug/l	100
46) Dibromomethane	9.17	93	56279	19.150	ug/l	97
47) Bromodichloromethane	9.37	83	117936	18.664	ug/l	99
48) Methyl methacrylate	9.17	41	83401	17.912	ug/l	97
49) 1,4-Dioxane	9.17	88	22451	366.083	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	500086	92.934	ug/l	99
52) Toluene	10.13	92	188978	18.519	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	121992	18.210	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	129901	18.136	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	74753	18.783	ug/l	99
56) Ethyl methacrylate	10.40	69	96314	16.009	ug/l	97
57) 1,3-Dichloropropane	10.68	76	129953	18.708	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.67	63	267218	100.464	ug/l	98
59) 2-Hexanone	10.72	43	357301	84.144	ug/l	99
60) Dibromochloromethane	10.87	129	86666	19.450	ug/l	98
61) 1,2-Dibromoethane	10.98	107	75738	18.762	ug/l	99
64) Tetrachloroethene	10.60	164	71480	18.158	ug/l	98
65) Chlorobenzene	11.41	112	200206	17.870	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	77374	18.513	ug/l	98
67) Ethyl Benzene	11.49	91	346728	17.399	ug/l	99
68) m/p-Xylenes	11.59	106	254737	35.248	ug/l	98
69) o-Xylene	11.92	106	118494	16.968	ug/l	96
70) Styrene	11.94	104	206129	17.541	ug/l	99
71) Bromoform	12.10	173	52400	17.547	ug/l #	99
73) Isopropylbenzene	12.23	105	318386	17.646	ug/l	99
74) N-amyl acetate	12.04	43	133147	16.061	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	102729	18.537	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	97714m	17.766	ug/l	
77) Bromobenzene	12.50	156	77027	17.486	ug/l	99
78) n-propylbenzene	12.57	91	370585	18.016	ug/l	100
79) 2-Chlorotoluene	12.65	91	234449	17.971	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	271809	18.261	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	33662	17.089	ug/l	96
82) 4-Chlorotoluene	12.75	91	244816	17.918	ug/l	100
83) tert-Butylbenzene	12.97	119	207487	17.848	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	268359	17.935	ug/l	100
85) sec-Butylbenzene	13.15	105	272356	18.499	ug/l	100
86) p-Isopropyltoluene	13.26	119	245469	18.536	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	136889	17.977	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	139872	17.775	ug/l	99
89) n-Butylbenzene	13.59	91	201075	17.660	ug/l	99
90) Hexachloroethane	13.85	117	49395	19.336	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	137107	18.719	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	22627	20.507	ug/l	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111120\
Data File : VN064547.D
Acq On : 11 Nov 2020 11:55
Operator : JC/MD
Sample : VN1111WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

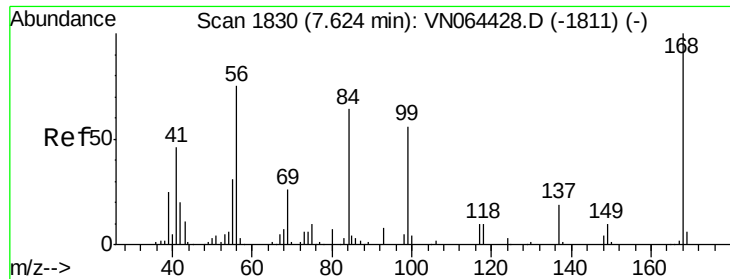
Manual Integrations
APPROVED

MMDadoda
11/12/2020 9:12:20 AM

Quant Time: Nov 12 01:57:31 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 12:09:03 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	55089	16.982	ug/l	99
94) Hexachlorobutadiene	14.98	225	29331	19.668	ug/l	98
95) Naphthalene	15.10	128	163696	15.818	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	56165	17.829	ug/l	96

(#) = 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: VN064547.D

Acq: 11 Nov 2020 11:55

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBS01

Tot Ion:168 Resp: 310779

Ion Ratio Lower Upper

168 100

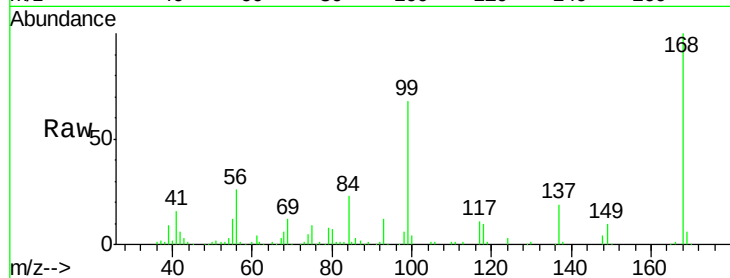
99 67.3 53.4 80.2

Manual Integrations

APPROVED

MMDadoda

11/12/2020 9:12:20 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

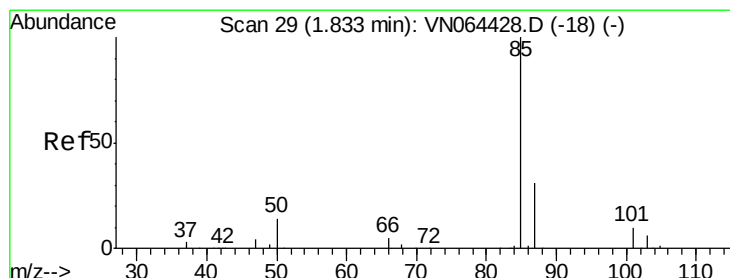
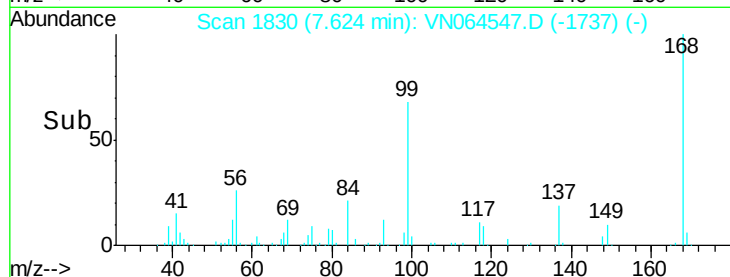
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.401 ug/l

RT: 1.84 min Scan# 30

Delta R.T. 0.00 min

Lab File: VN064547.D

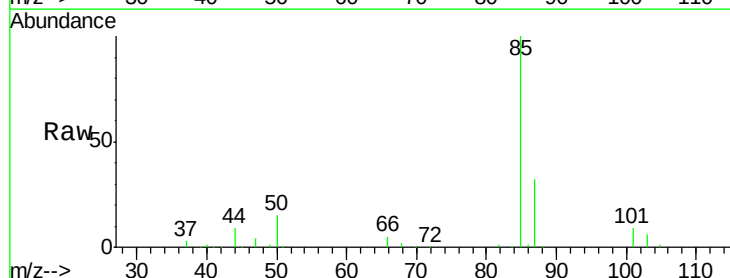
Acq: 11 Nov 2020 11:55

Tgt Ion: 85 Resp: 70397

Ion Ratio Lower Upper

85 100

87 31.9 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.84

60000

50000

40000

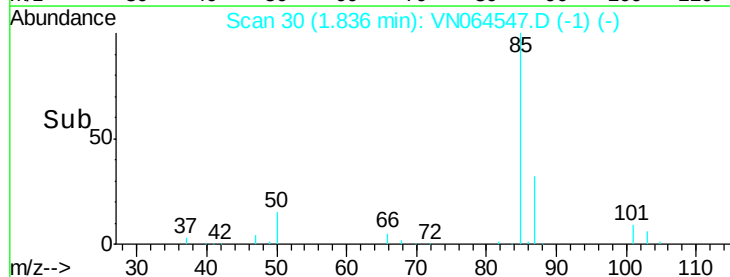
30000

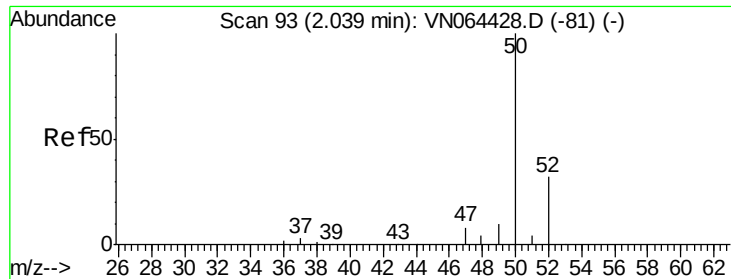
20000

10000

0

Time-->





#3

Chloromethane

Concen: 17.004 ug/l

RT: 2.04 min Scan# 94

Delta R.T. 0.00 min

Lab File: VN064547.D

Acq: 11 Nov 2020 11:55

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBS01

Tot Ion: 50 Resp: 83554

Ion Ratio Lower Upper

50 100

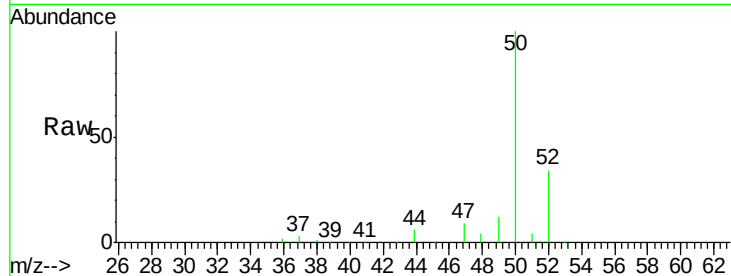
52 34.0 25.3 37.9

Manual Integrations

APPROVED

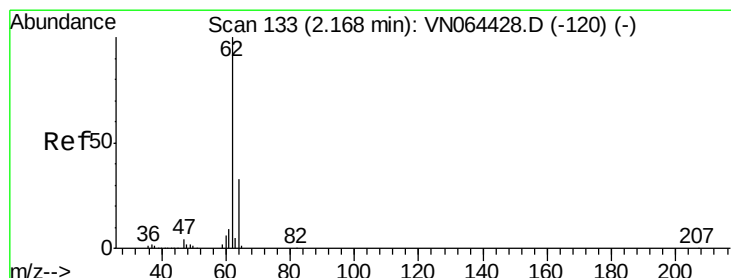
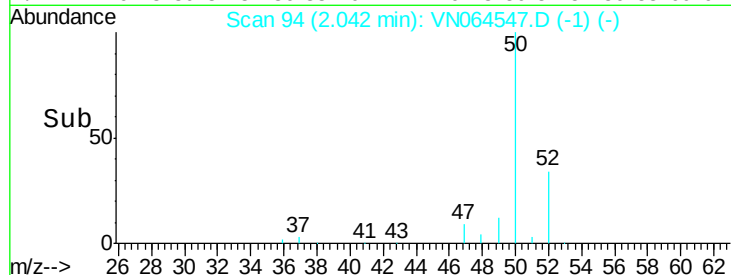
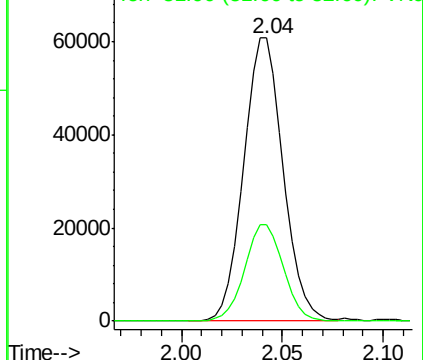
MMDadoda

11/12/2020 9:12:20 AM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 17.757 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN064547.D

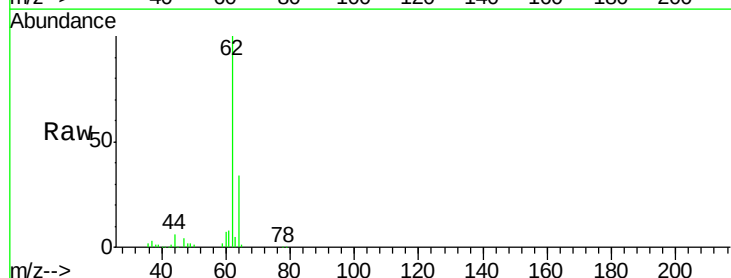
Acq: 11 Nov 2020 11:55

Tgt Ion: 62 Resp: 89605

Ion Ratio Lower Upper

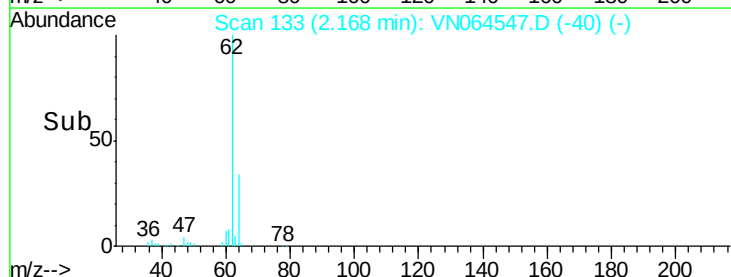
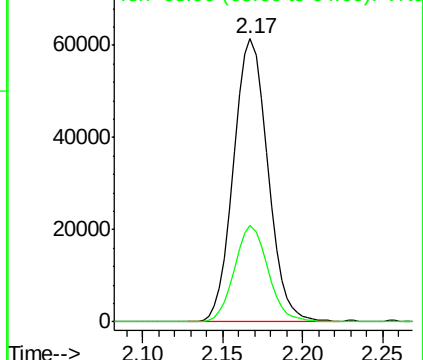
62 100

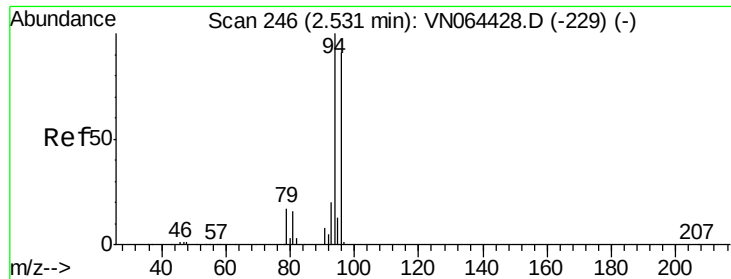
64 33.9 26.3 39.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 19.202 ug/l

RT: 2.54 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN064547.D

Acq: 11 Nov 2020 11:55

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBS01

Tot Ion: 94 Resp: 61899

Ion Ratio Lower Upper

94 100

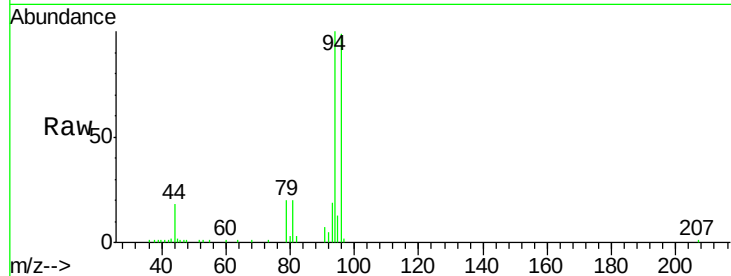
96 98.8 73.1 109.7

Manual Integrations

APPROVED

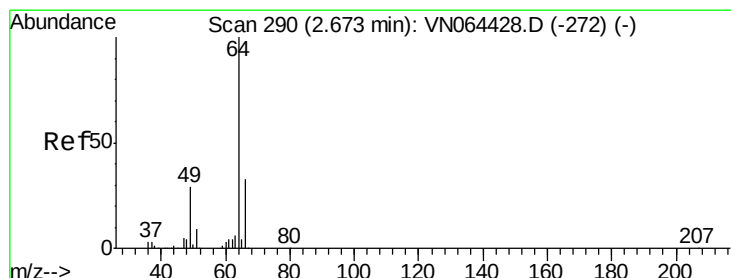
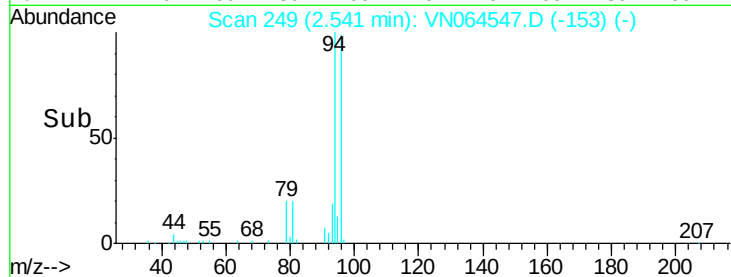
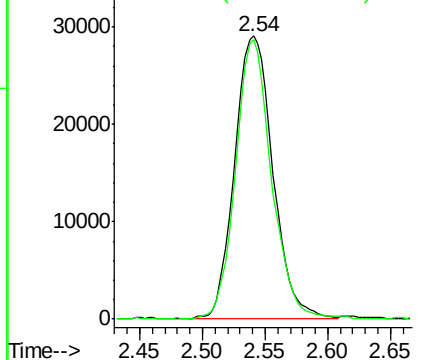
MMDadoda

11/12/2020 9:12:20 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.086 ug/l

RT: 2.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN064547.D

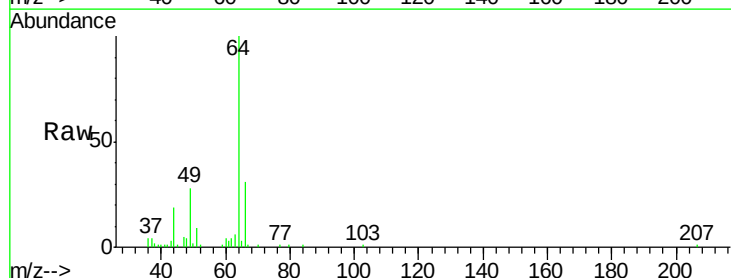
Acq: 11 Nov 2020 11:55

Tgt Ion: 64 Resp: 58430

Ion Ratio Lower Upper

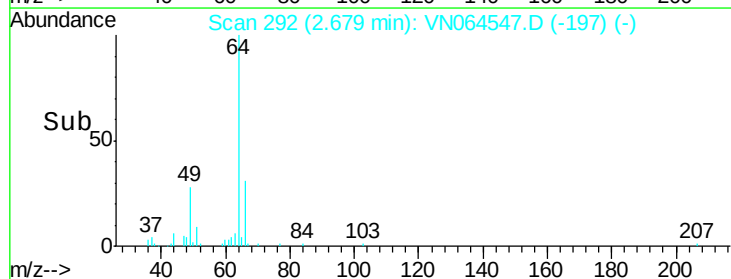
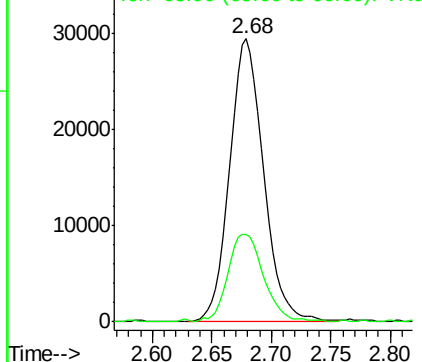
64 100

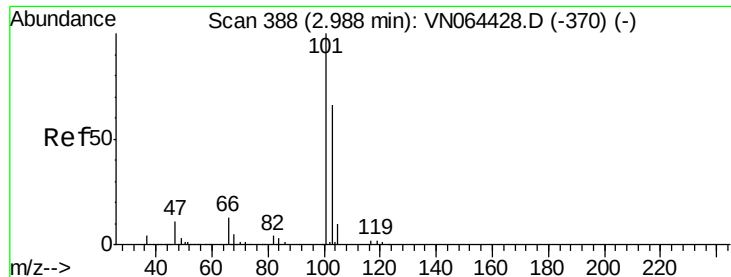
66 31.1 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

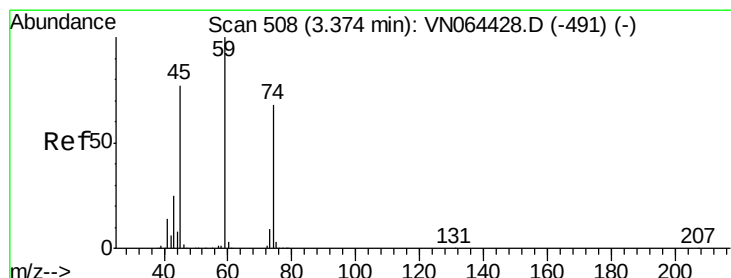
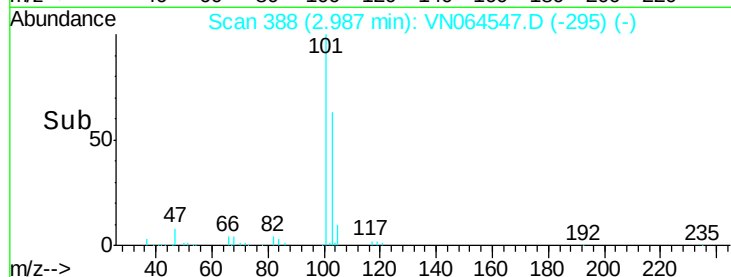
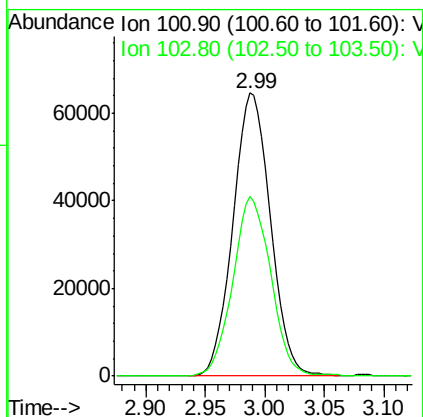
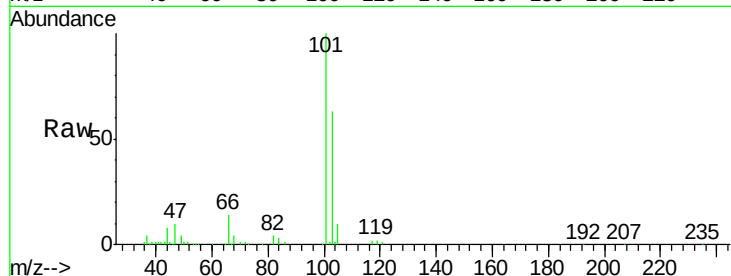
Trichlorofluoromethane
Concen: 18.988 ug/l
RT: 2.99 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN064547.D
Acq: 11 Nov 2020 11:55

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	141085		
103	63.4	52.4	78.6	

Manual Integrations
APPROVED

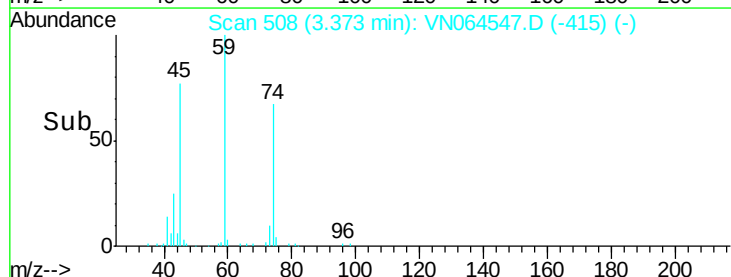
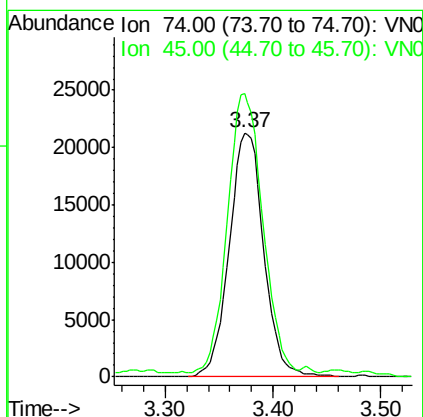
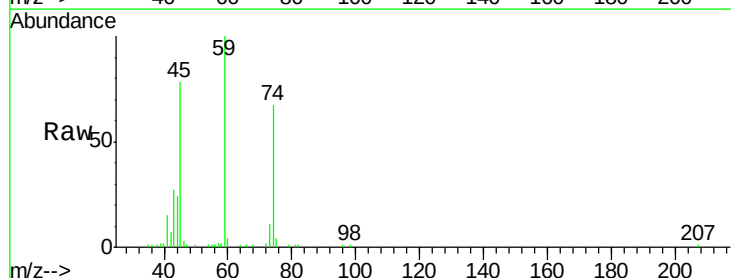
MMDadoda
11/12/2020 9:12:20 AM

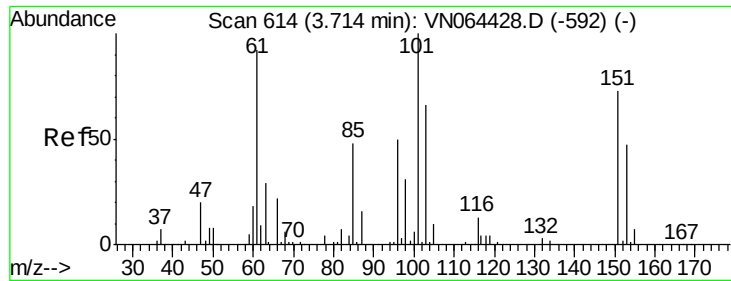


#8

Diethyl Ether
Concen: 18.048 ug/l
RT: 3.37 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN064547.D
Acq: 11 Nov 2020 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	47357		
45	117.0	55.9	167.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.537 ug/l

RT: 3.71 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN064547.D

Acq: 11 Nov 2020 11:55

Instrument :

MSVOA_N

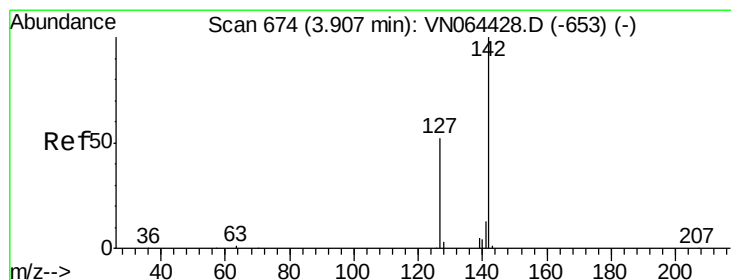
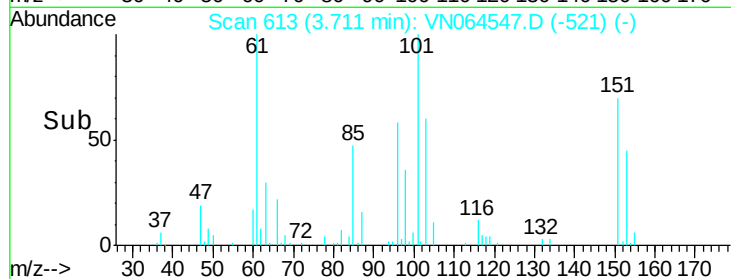
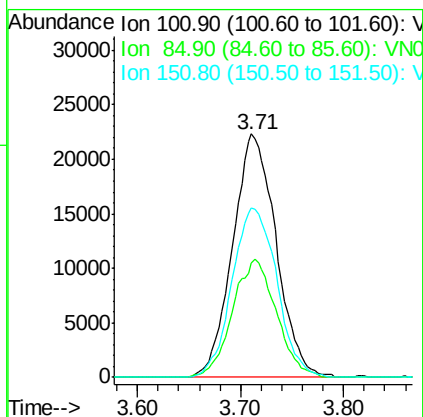
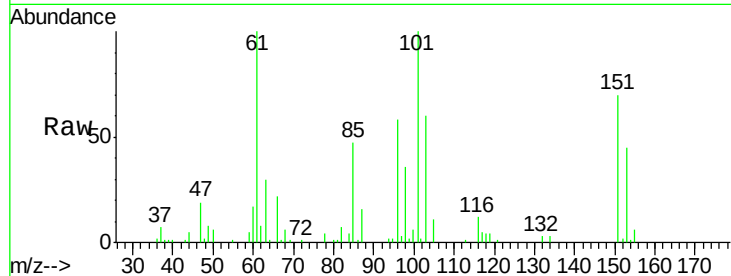
ClientSampleId :

VN1111WBS01

Tot Ion:	101	Resp:	65407
Ion Ratio	Lower	Upper	
101	100		
85	48.9	38.6	57.8
151	71.6	57.5	86.3

Manual Integrations
APPROVED

MMDadoda
11/12/2020 9:12:20 AM



#10

Methyl Iodide

Concen: 17.642 ug/l

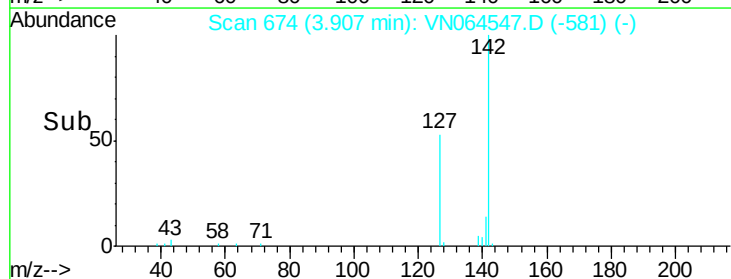
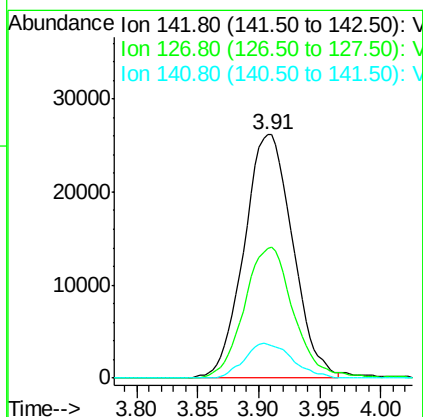
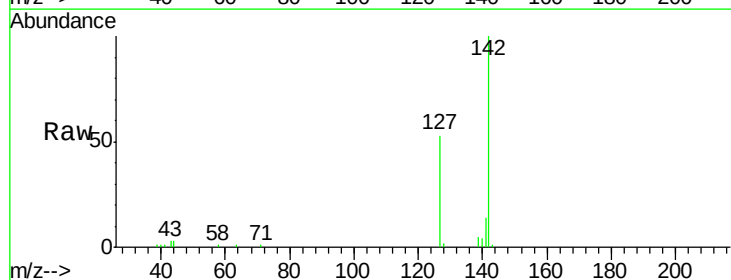
RT: 3.91 min Scan# 674

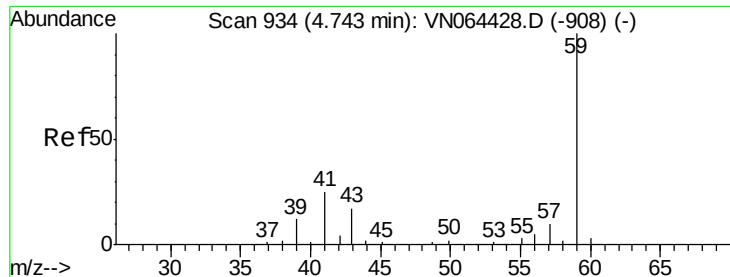
Delta R.T. -0.00 min

Lab File: VN064547.D

Acq: 11 Nov 2020 11:55

Tgt Ion:	142	Resp:	72330
Ion Ratio	Lower	Upper	
142	100		
127	54.3	41.8	62.8
141	14.1	11.4	17.2





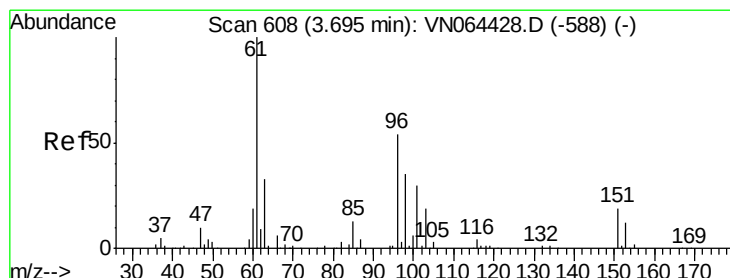
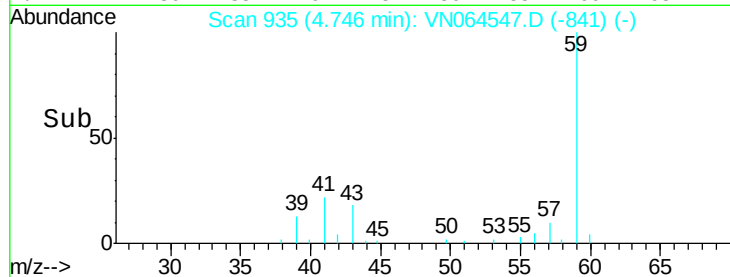
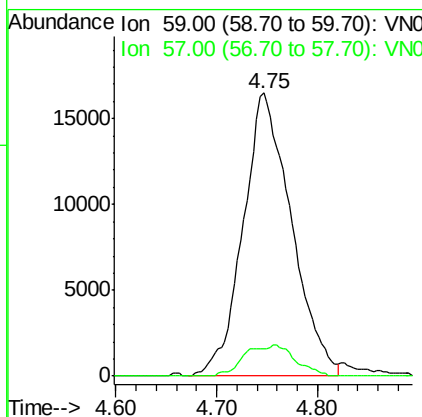
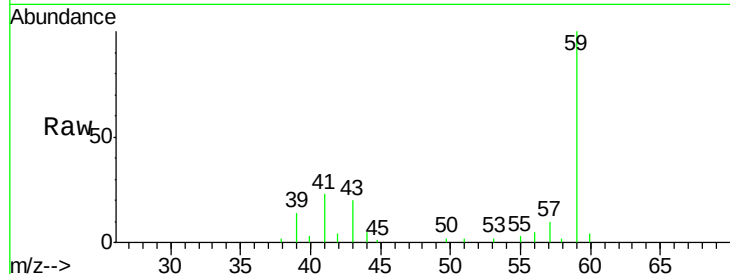
#11
Tert butyl alcohol
Concen: 91.813 ug/l
RT: 4.75 min Scan# 935
Delta R.T. 0.00 min
Lab File: VN064547.D
Acq: 11 Nov 2020 11:55

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tot Ion: 59 Resp: 54810
Ion Ratio Lower Upper
59 100
57 3.8 9.0 13.4#

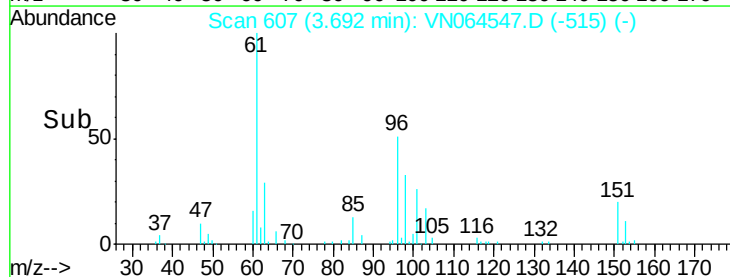
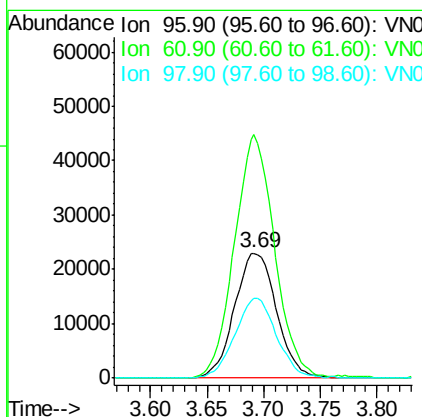
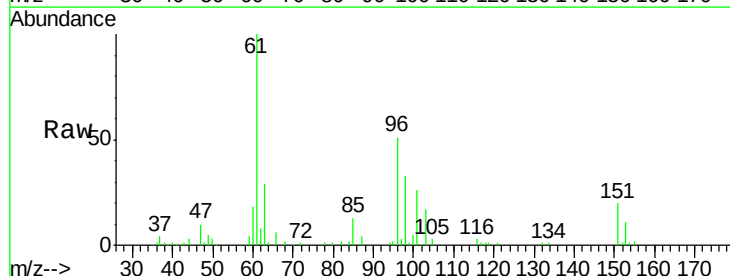
Manual Integrations
APPROVED

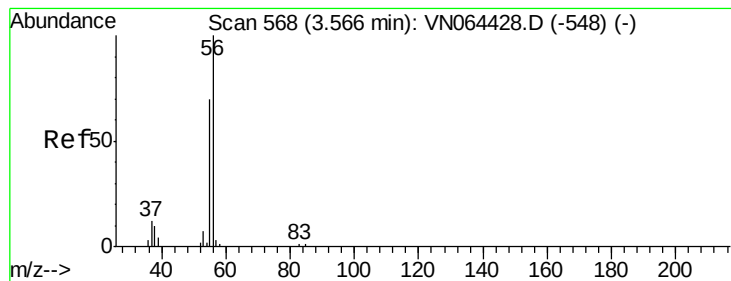
MMDadoda
11/12/2020 9:12:20 AM



#12
1,1-Dichloroethene
Concen: 17.921 ug/l
RT: 3.69 min Scan# 607
Delta R.T. -0.00 min
Lab File: VN064547.D
Acq: 11 Nov 2020 11:55

Tgt Ion: 96 Resp: 59563
Ion Ratio Lower Upper
96 100
61 194.8 149.5 224.3
98 64.0 52.4 78.6





#13

Acrolein

Concen: 77.679 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN064547.D

Acq: 11 Nov 2020 11:55

Instrument :

MSVOA_N

ClientSampled :

VN1111WBS01

Tot Ion: 56 Resp: 28764

Ion Ratio Lower Upper

56 100

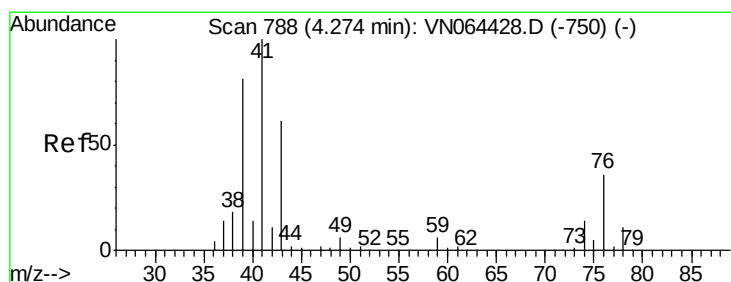
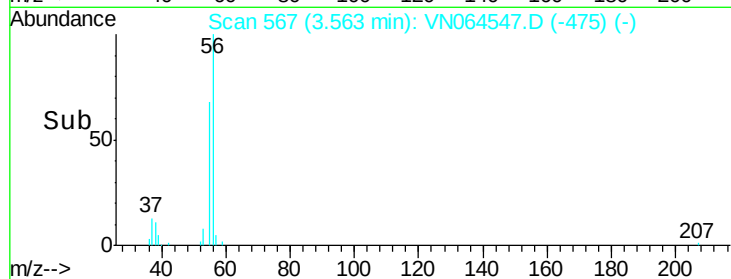
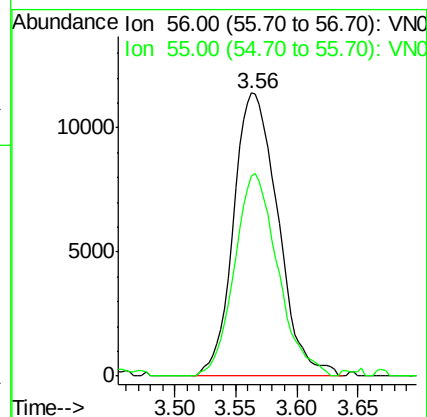
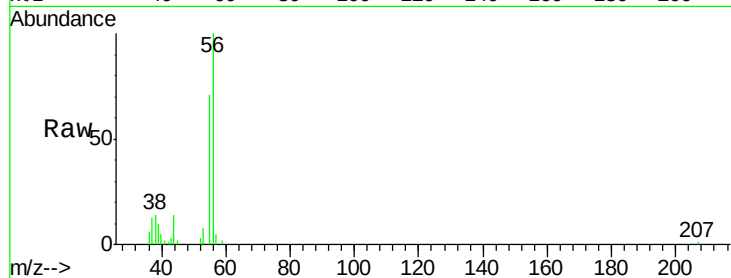
55 69.9 55.9 83.9

Manual Integrations

APPROVED

MMDadoda

11/12/2020 9:12:20 AM



#14

Allyl chloride

Concen: 17.328 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN064547.D

Acq: 11 Nov 2020 11:55

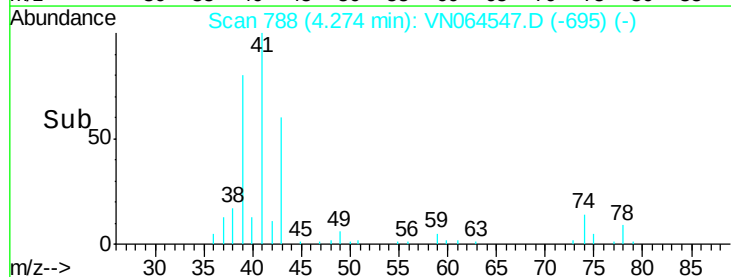
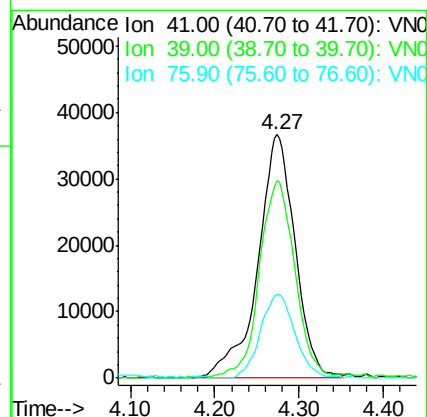
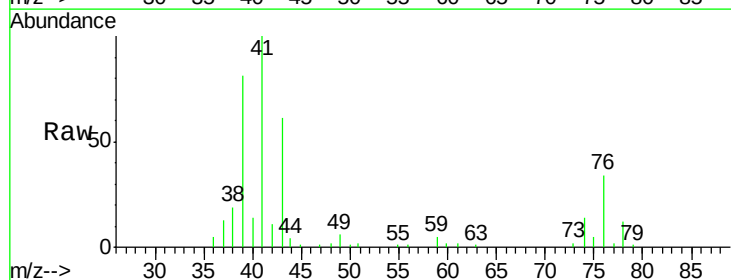
Tgt Ion: 41 Resp: 112665

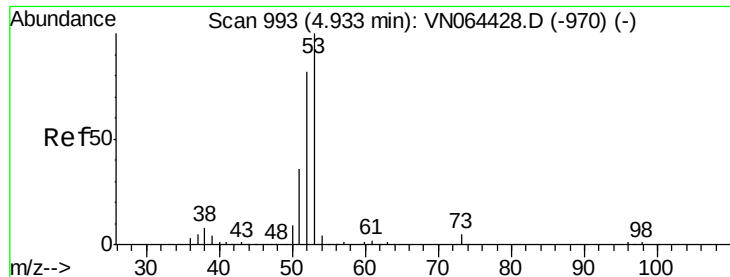
Ion Ratio Lower Upper

41 100

39 77.0 61.8 92.8

76 31.7 25.4 38.0





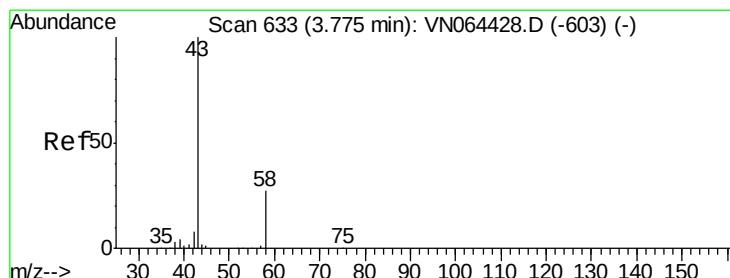
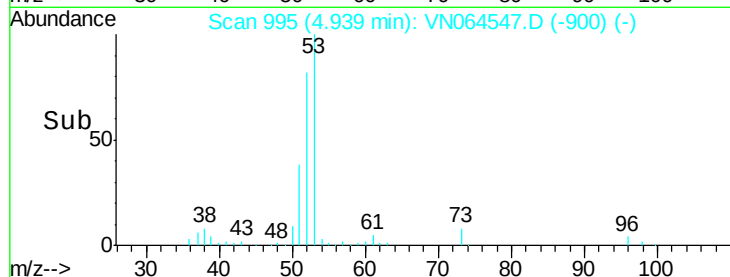
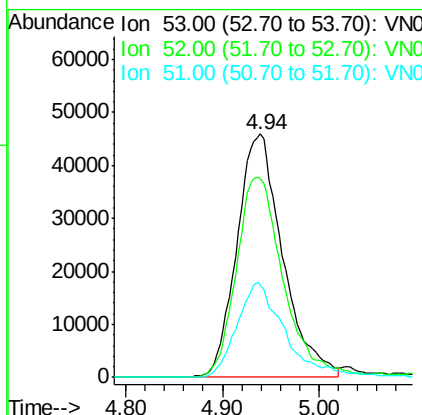
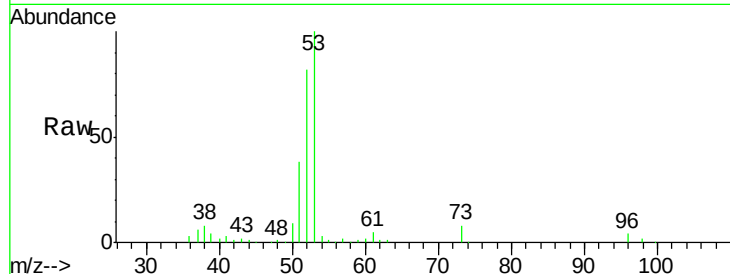
#15
Acrylonitrile
Concen: 90.798 ug/l
RT: 4.94 min Scan# 995
Delta R.T. 0.01 min
Lab File: VN064547.D
Acq: 11 Nov 2020 11:55

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tot Ion:	53	Resp:	150911
Ion	Ratio	Lower	Upper
53	100		
52	84.6	65.6	98.4
51	38.5	29.9	44.9

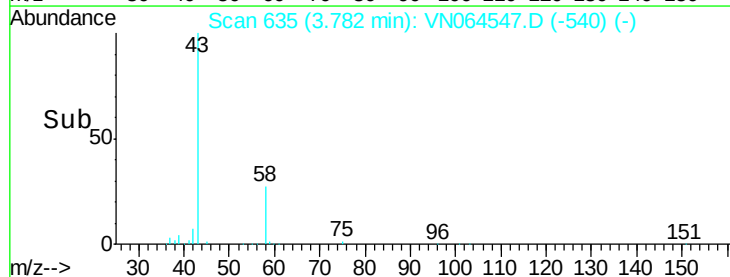
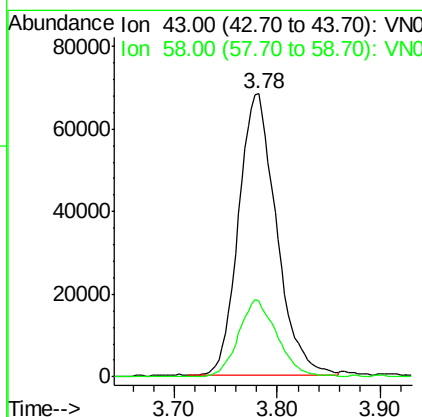
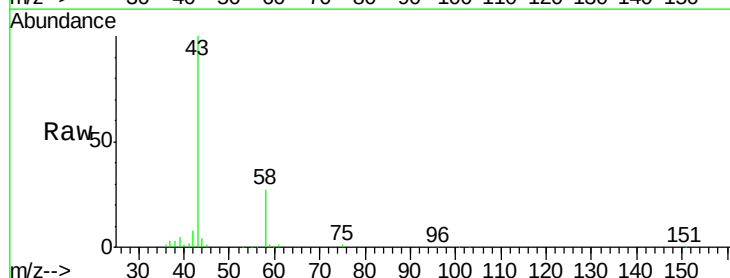
Manual Integrations
APPROVED

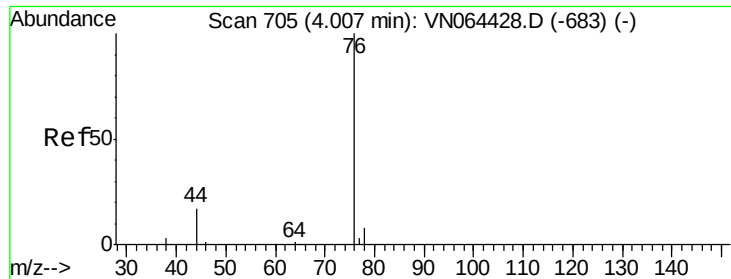
MMDadoda
11/12/2020 9:12:20 AM



#16
Acetone
Concen: 84.617 ug/l
RT: 3.78 min Scan# 635
Delta R.T. 0.01 min
Lab File: VN064547.D
Acq: 11 Nov 2020 11:55

Tgt Ion:	43	Resp:	174482
Ion	Ratio	Lower	Upper
43	100		
58	27.0	21.4	32.0





#17

Carbon Disulfide

Concen: 17.681 ug/l

RT: 4.01 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN064547.D

Acq: 11 Nov 2020 11:55

Tot Ion: 76 Resp: 175738

Ion Ratio Lower Upper

76 100

78 9.6 6.8 10.2

Instrument :

MSVOA_N

ClientSampleId :

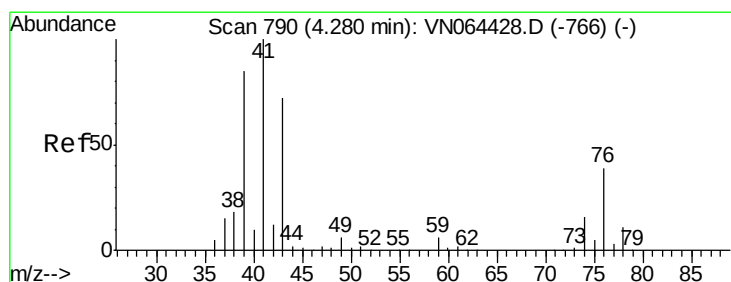
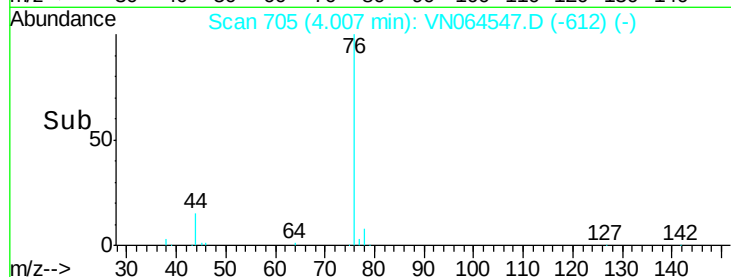
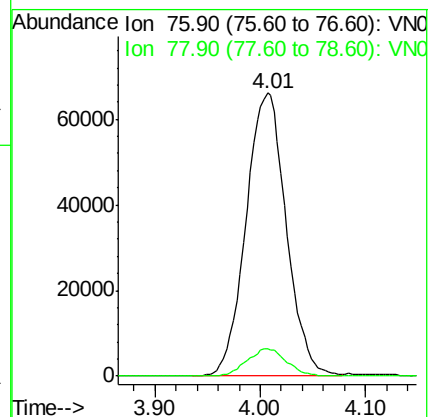
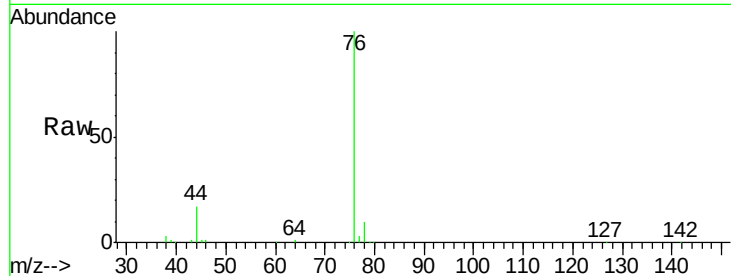
VN1111WBS01

Manual Integrations

APPROVED

MMDadoda

11/12/2020 9:12:20 AM



#18

Methyl Acetate

Concen: 19.767 ug/l

RT: 4.28 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN064547.D

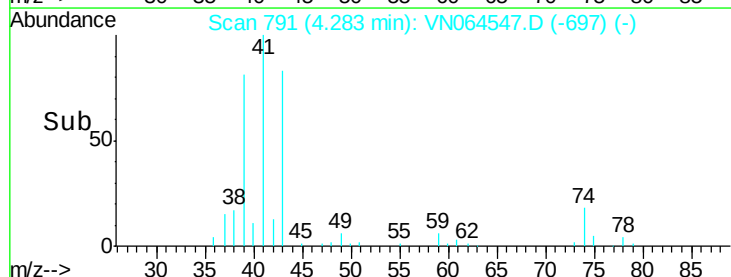
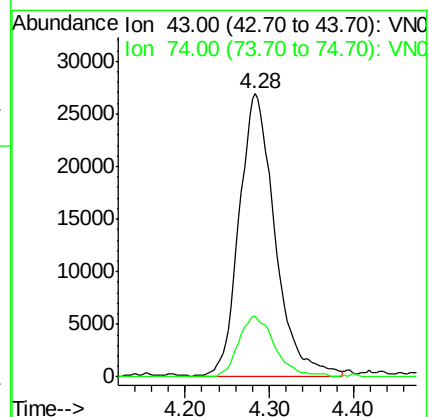
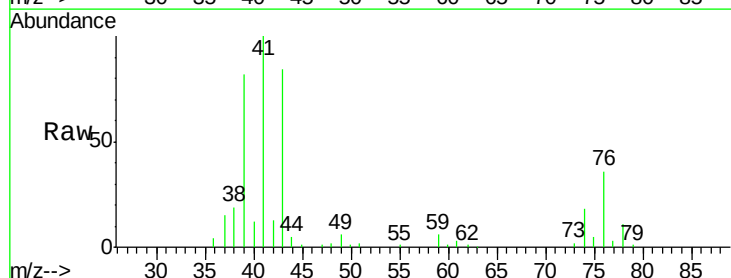
Acq: 11 Nov 2020 11:55

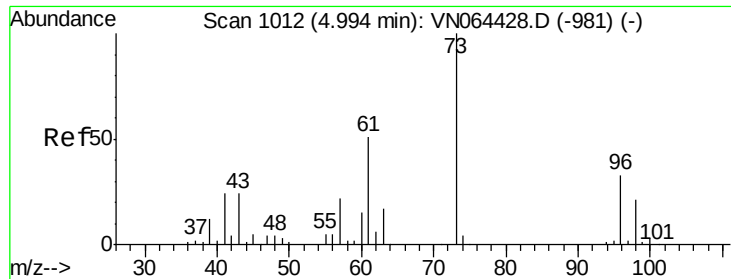
Tgt Ion: 43 Resp: 80132

Ion Ratio Lower Upper

43 100

74 21.2 17.0 25.4





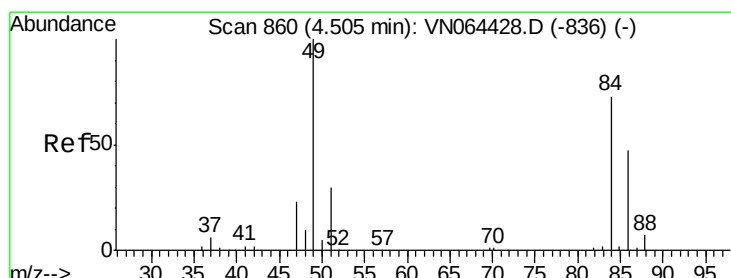
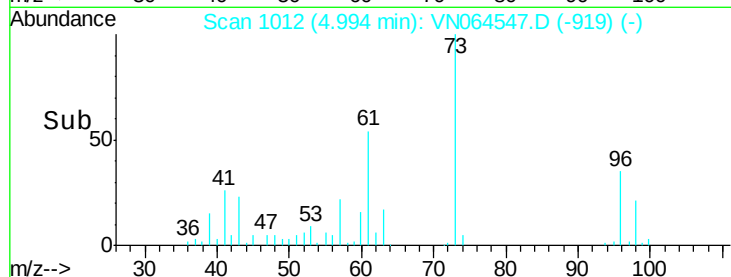
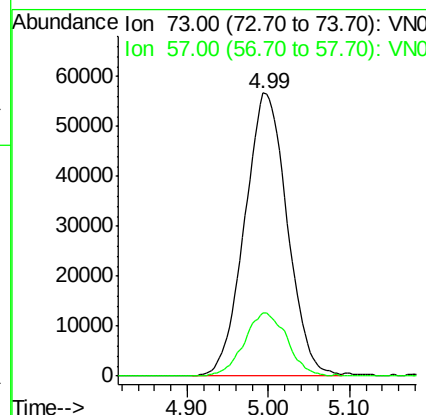
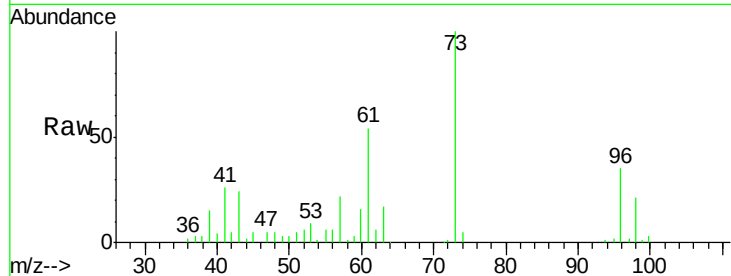
#19
Methvl tert-butyl Ether
Concen: 17.184 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN064547.D
Acq: 11 Nov 2020 11:55

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tot Ion: 73 Resp: 205558
Ion Ratio Lower Upper
73 100
57 22.2 17.7 26.5

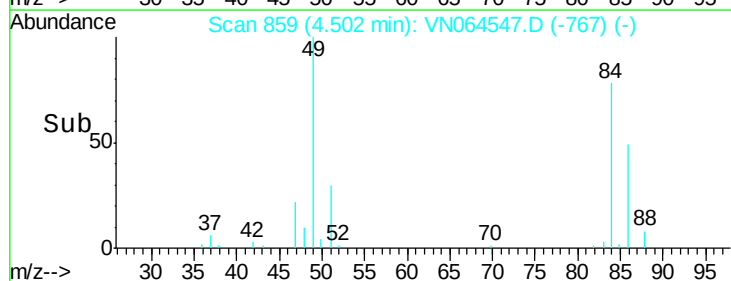
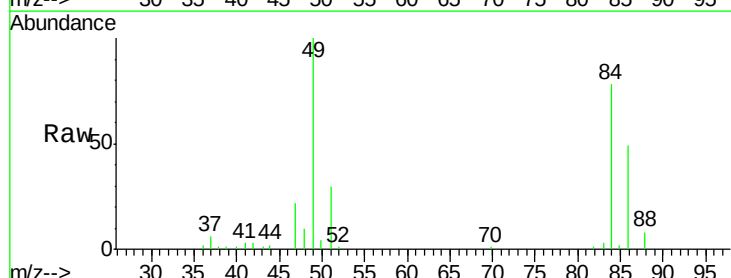
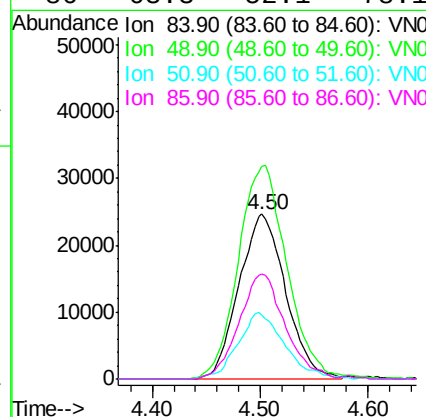
Manual Integrations
APPROVED

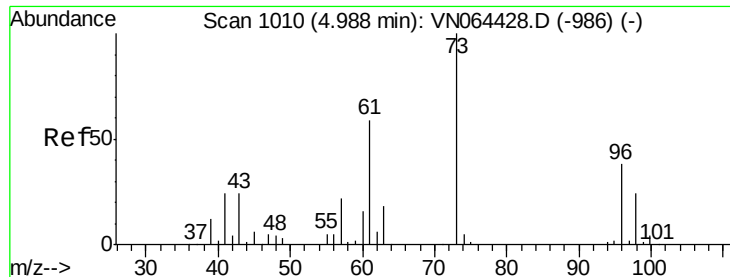
MMDadoda
11/12/2020 9:12:20 AM



#20
Methylene Chloride
Concen: 18.117 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064547.D
Acq: 11 Nov 2020 11:55

Tgt Ion: 84 Resp: 74121
Ion Ratio Lower Upper
84 100
49 127.9 110.1 165.1
51 38.4 33.6 50.4
86 63.3 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 17.787 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VN064547.D

Acq: 11 Nov 2020 11:55

Instrument :

MSVOA_N

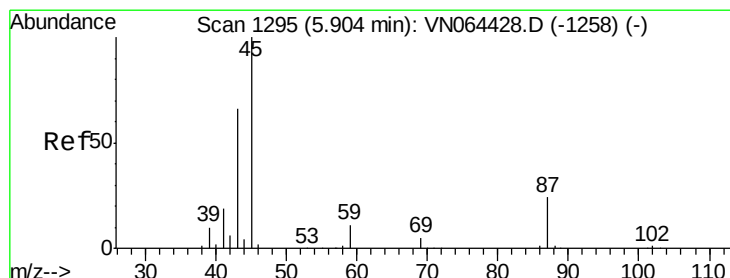
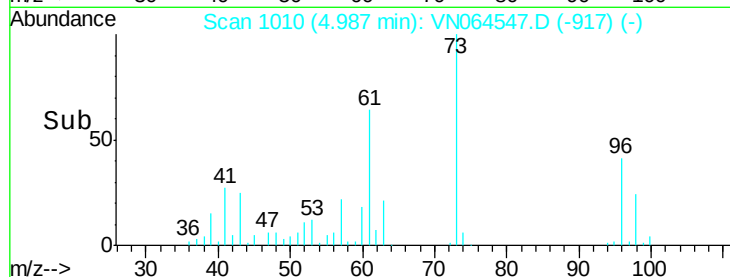
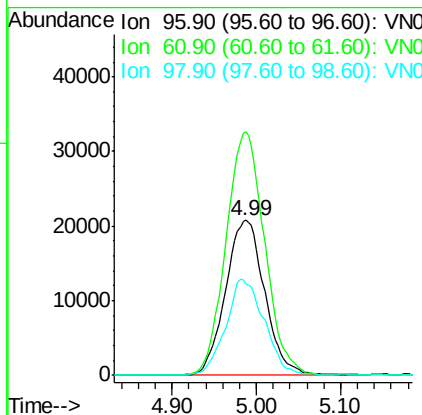
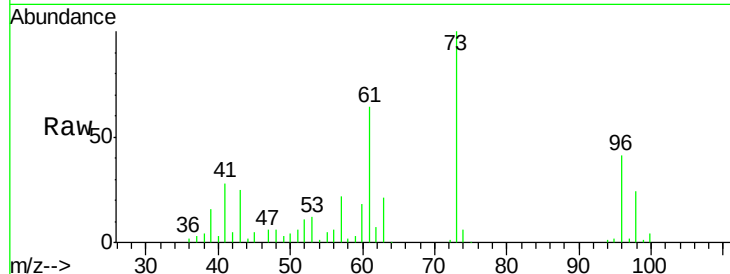
ClientSampleId :

VN1111WBS01

Tot Ion:	96	Resp:	67124
Ion	Ratio	Lower	Upper
96	100		
61	156.0	122.4	183.6
98	58.8	50.4	75.6

Manual Integrations
APPROVED

MMDadoda
11/12/2020 9:12:20 AM



#22

Diisopropyl ether

Concen: 17.351 ug/l

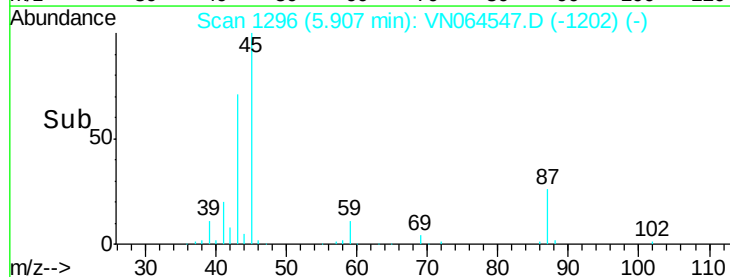
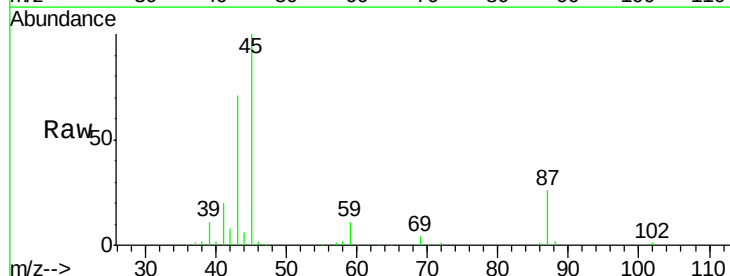
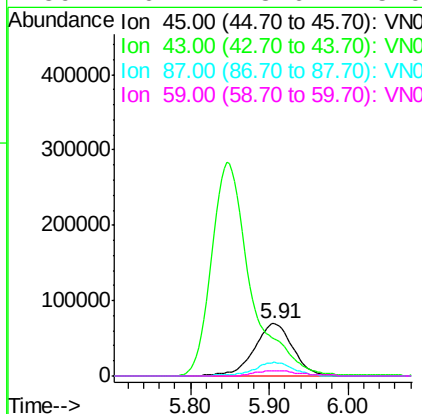
RT: 5.91 min Scan# 1296

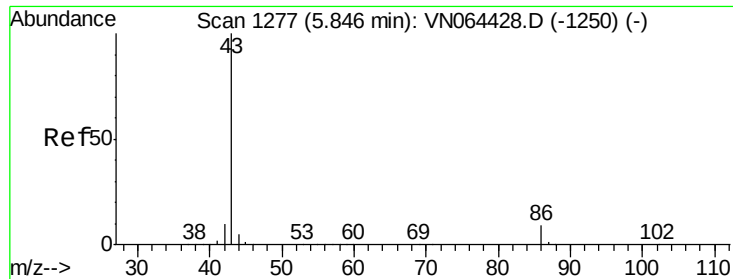
Delta R.T. 0.00 min

Lab File: VN064547.D

Acq: 11 Nov 2020 11:55

Tgt Ion:	45	Resp:	239467
Ion	Ratio	Lower	Upper
45	100		
43	67.9	53.2	79.8
87	25.5	19.9	29.9
59	10.2	8.6	13.0





#23

Vinyl Acetate

Concen: 86.705 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VN064547.D

Acq: 11 Nov 2020 11:55

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBS01

Tot Ion: 43 Resp: 973500

Ion Ratio Lower Upper

43 100

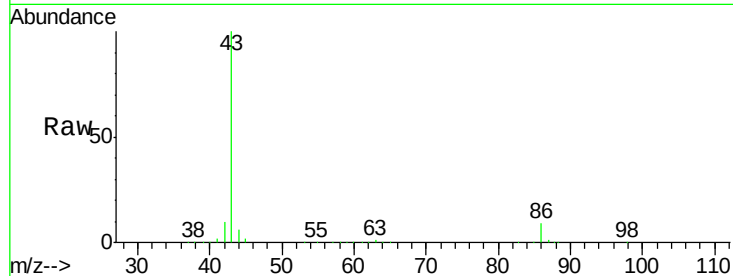
86 8.7 6.8 10.2

Manual Integrations

APPROVED

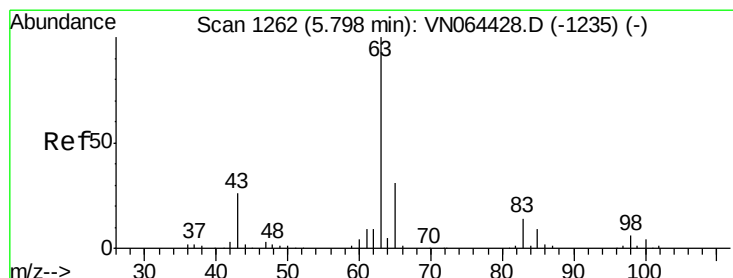
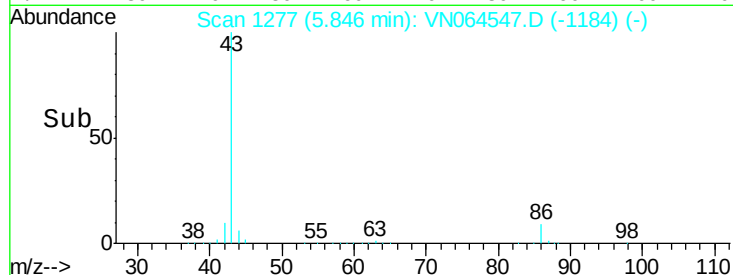
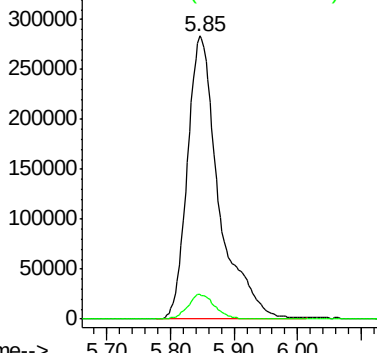
MMDadoda

11/12/2020 9:12:20 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 17.873 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VN064547.D

Acq: 11 Nov 2020 11:55

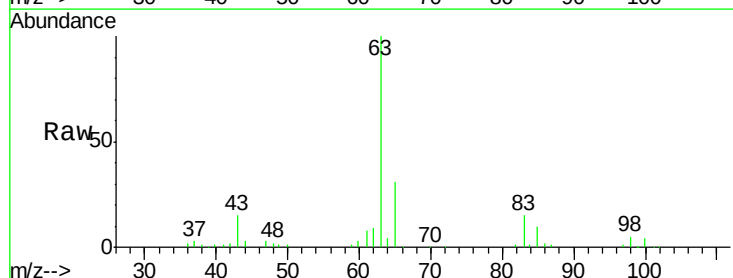
Tgt Ion: 63 Resp: 135555

Ion Ratio Lower Upper

63 100

98 5.5 3.0 9.2

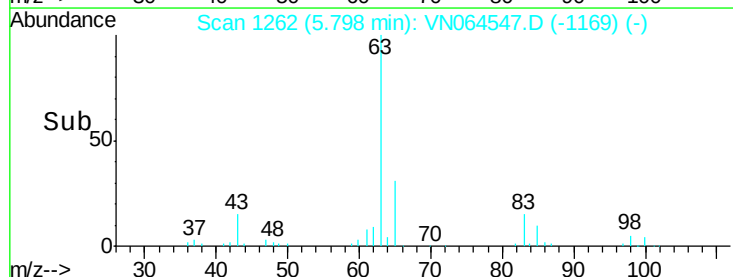
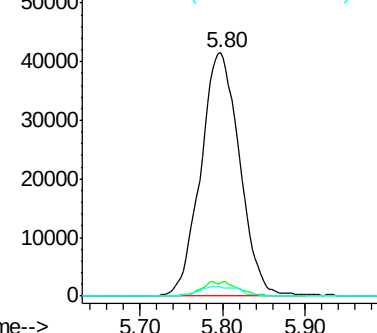
100 3.6 1.8 5.3

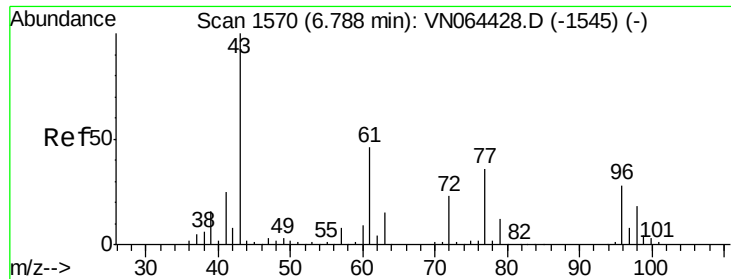


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 89.952 ug/l

RT: 6.79 min Scan# 1572

Delta R.T. 0.01 min

Lab File: VN064547.D

Acq: 11 Nov 2020 11:55

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBS01

Tot Ion: 43 Resp: 236331

Ion Ratio Lower Upper

43 100

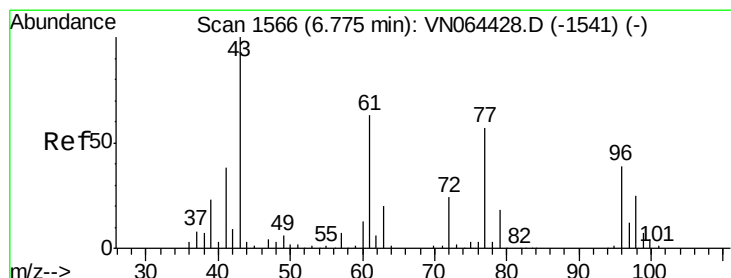
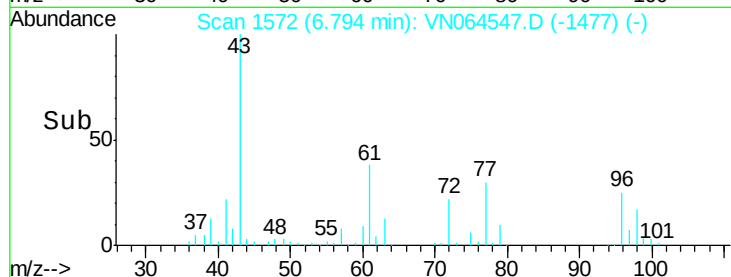
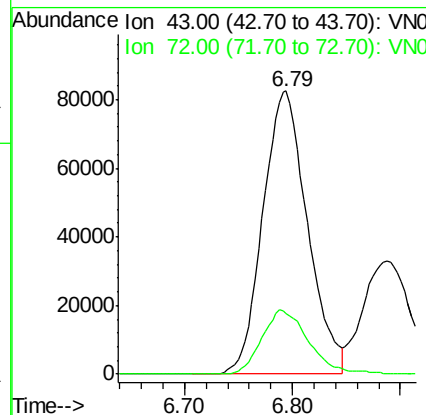
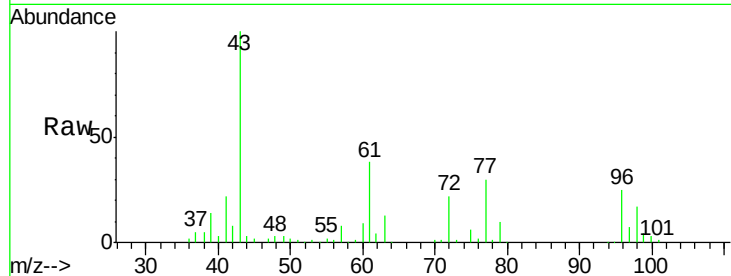
72 21.6 18.5 27.7

Manual Integrations

APPROVED

MMDadoda

11/12/2020 9:12:20 AM



#26

2,2-Dichloropropane

Concen: 17.868 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN064547.D

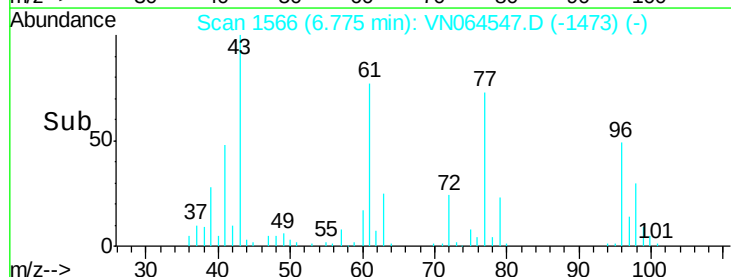
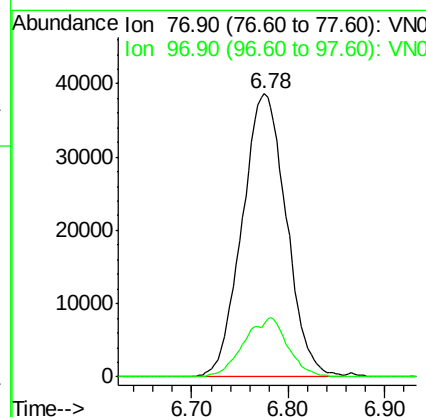
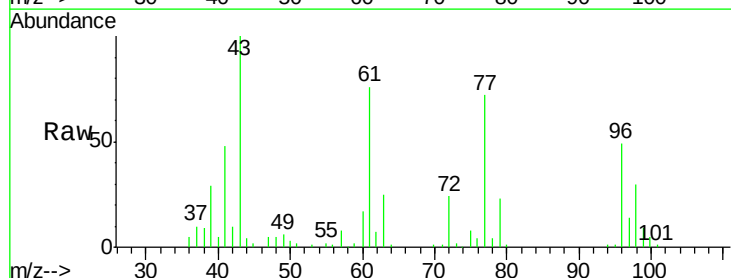
Acq: 11 Nov 2020 11:55

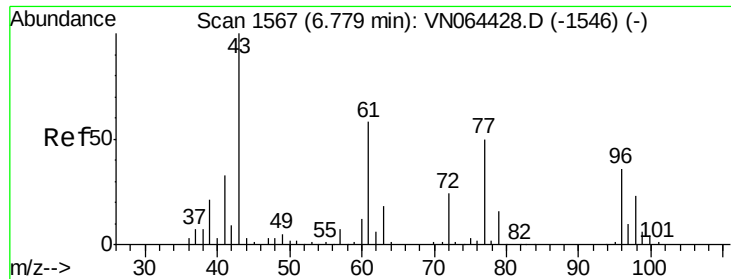
Tgt Ion: 77 Resp: 122670

Ion Ratio Lower Upper

77 100

97 20.7 10.2 30.6





#27

cis-1,2-Dichloroethene

Concen: 17.876 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN064547.D

Acq: 11 Nov 2020 11:55

Instrument :

MSVOA_N

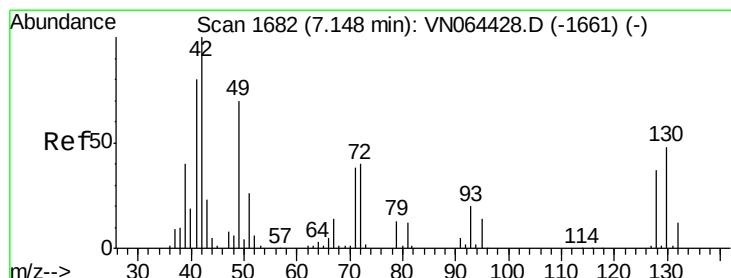
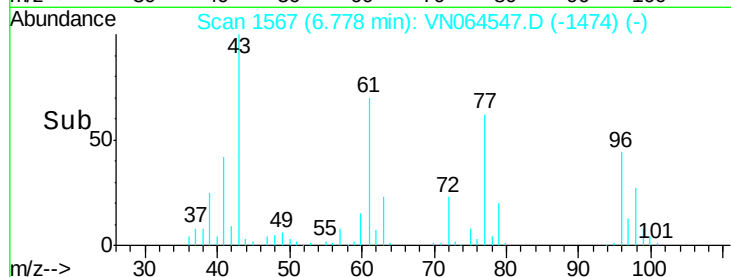
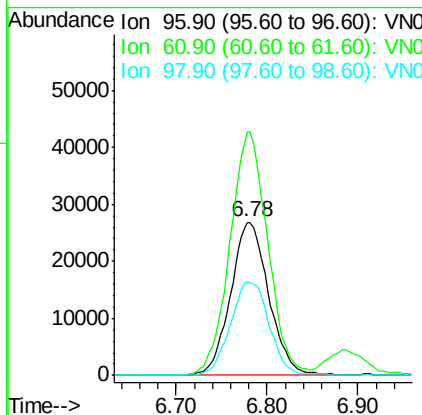
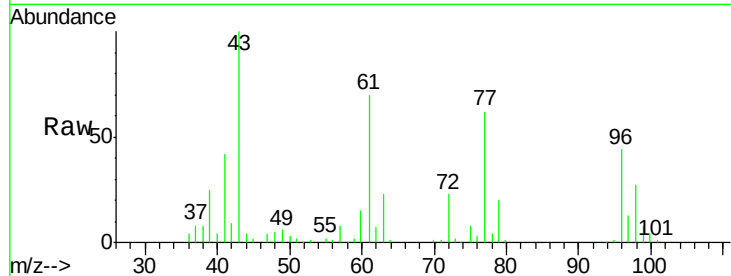
ClientSampleId :

VN1111WBS01

Tot Ion:	96	Resp:	78170
Ion	Ratio	Lower	Upper
96	100		
61	157.6	0.0	329.6
98	61.7	0.0	131.2

Manual Integrations
APPROVED

MMDadoda
11/12/2020 9:12:20 AM



#28

Bromochloromethane

Concen: 16.064 ug/l

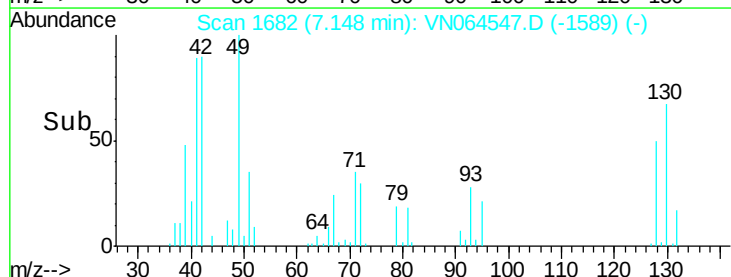
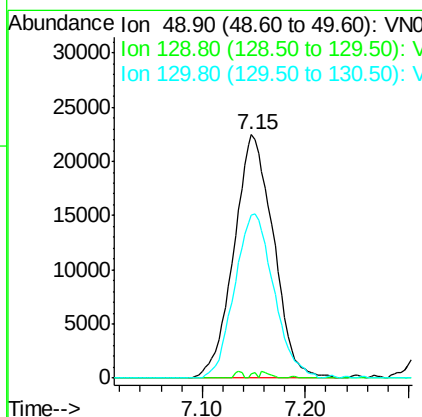
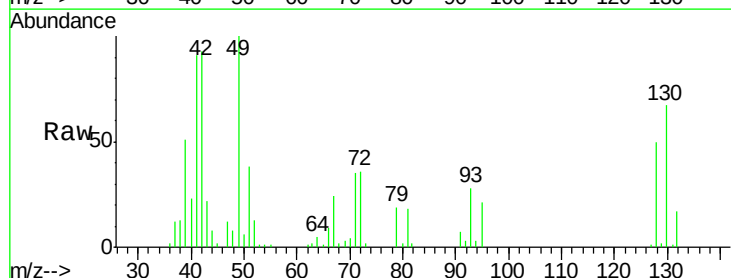
RT: 7.15 min Scan# 1682

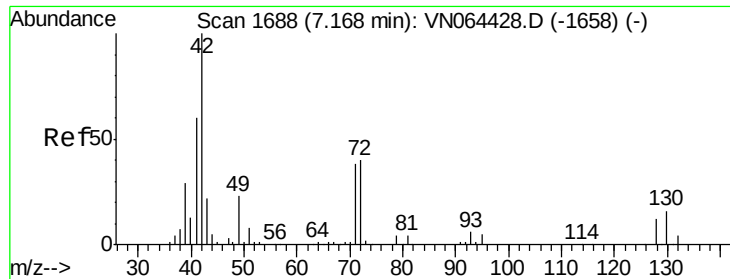
Delta R.T. -0.00 min

Lab File: VN064547.D

Acq: 11 Nov 2020 11:55

Tgt Ion:	49	Resp:	59885
Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	3.6
130	66.9	54.2	81.4





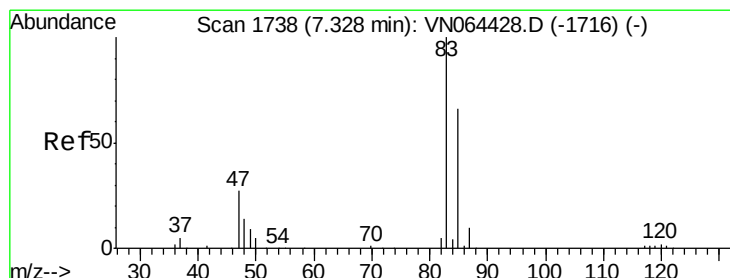
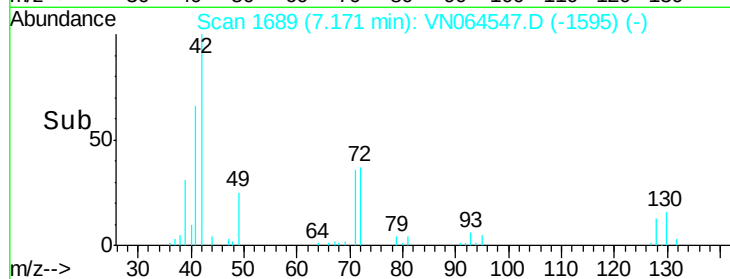
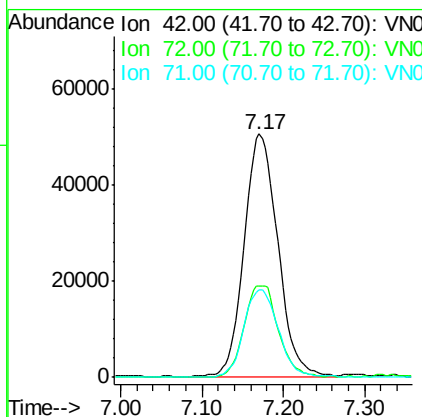
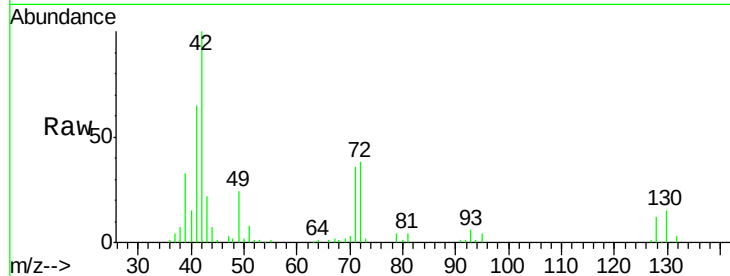
#29
Tetrahydrofuran
Concen: 88.853 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN064547.D
Acq: 11 Nov 2020 11:55

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.5	31.7	47.5
71	37.0	29.8	44.6

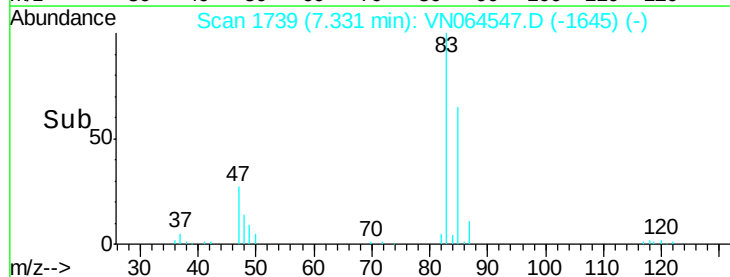
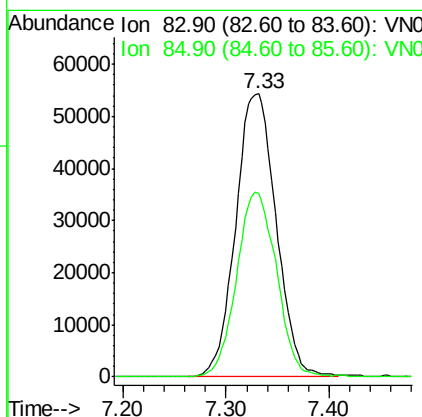
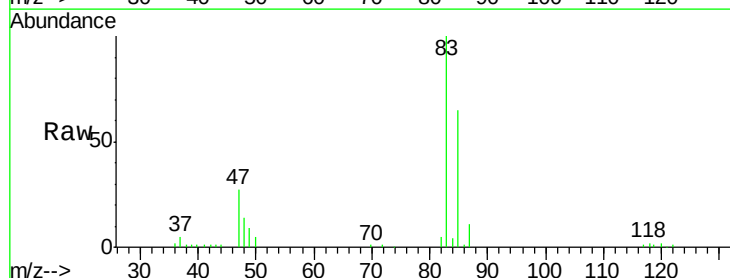
Manual Integrations
APPROVED

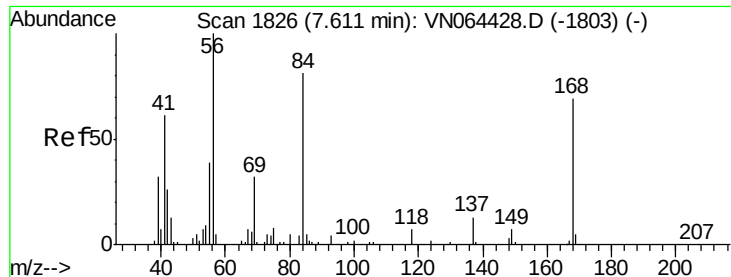
MMDadoda
11/12/2020 9:12:20 AM



#30
Chloroform
Concen: 18.582 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN064547.D
Acq: 11 Nov 2020 11:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.5	78.7





#31

Cyclohexane

Concen: 16.592 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN064547.D

Acq: 11 Nov 2020 11:55

Instrument :

MSVOA_N

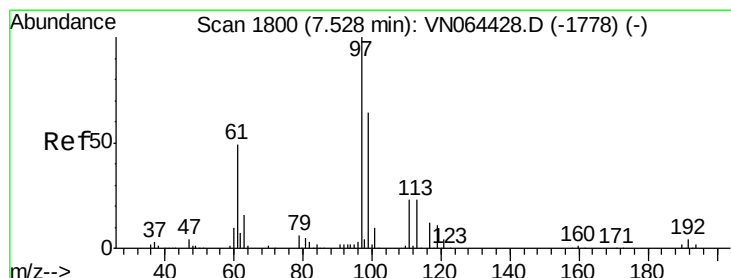
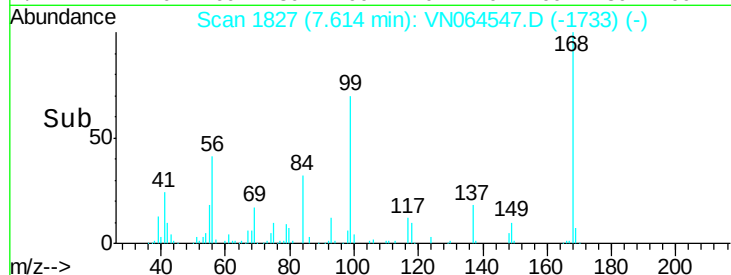
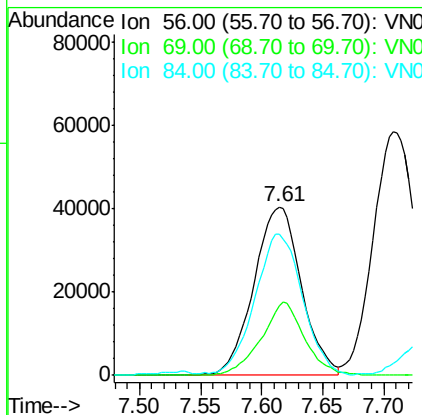
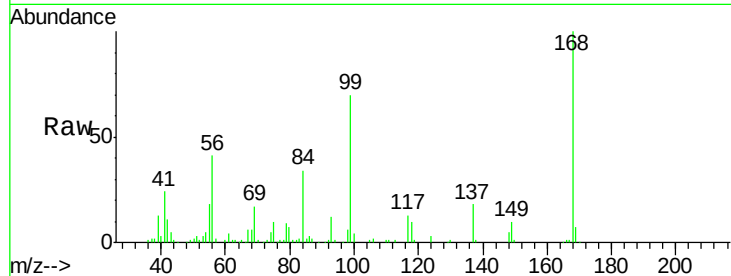
ClientSampleId :

VN1111WBS01

Tot Ion:	56	Resp:	109181
Ion Ratio	Lower	Upper	
56	100		
69	41.3	25.6	38.4#
84	81.9	63.0	94.6

Manual Integrations
APPROVED

MMDadoda
11/12/2020 9:12:20 AM



#32

1,1,1-Trichloroethane

Concen: 18.221 ug/l

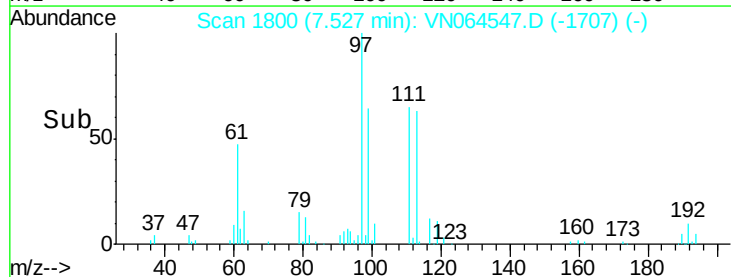
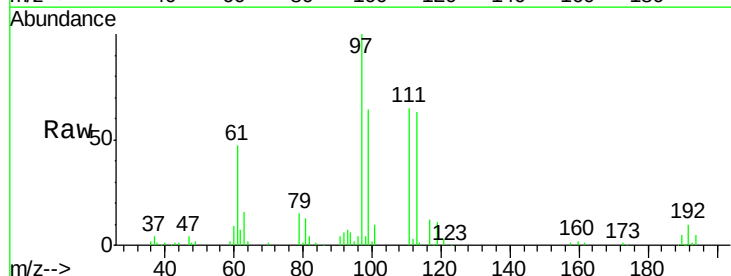
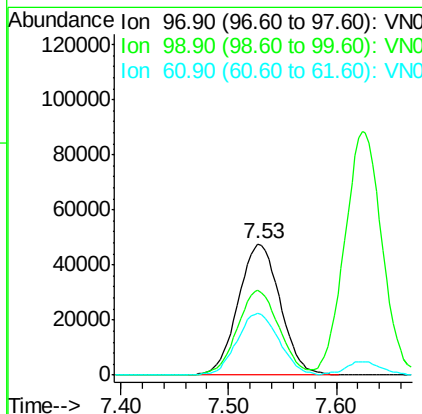
RT: 7.53 min Scan# 1800

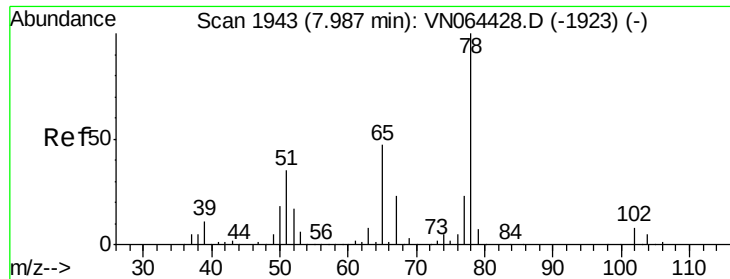
Delta R.T. -0.00 min

Lab File: VN064547.D

Acq: 11 Nov 2020 11:55

Tgt Ion:	97	Resp:	128838
Ion Ratio	Lower	Upper	
97	100		
99	64.2	51.3	76.9
61	47.2	39.1	58.7





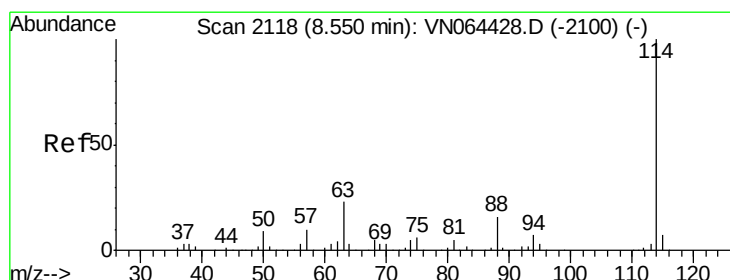
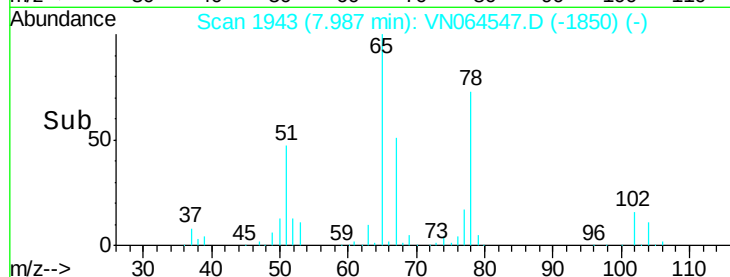
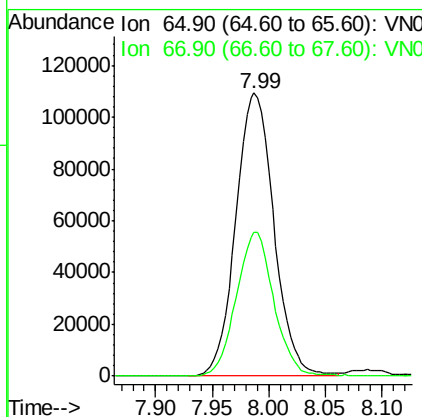
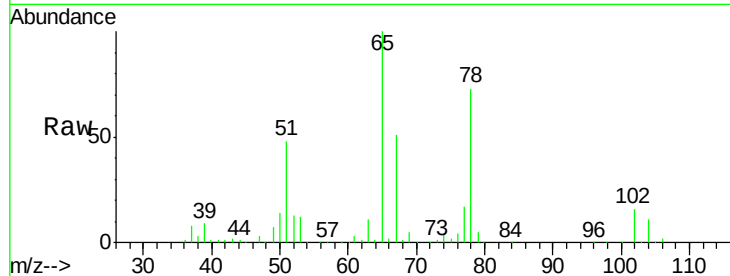
#33
 1,2-Dichloroethane-d4
 Concen: 47.445 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064547.D
 Acq: 11 Nov 2020 11:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.1	0.0	101.6	

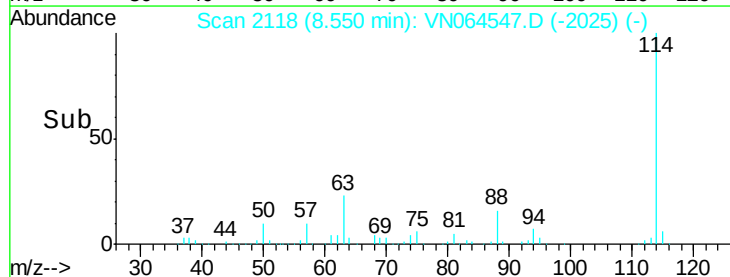
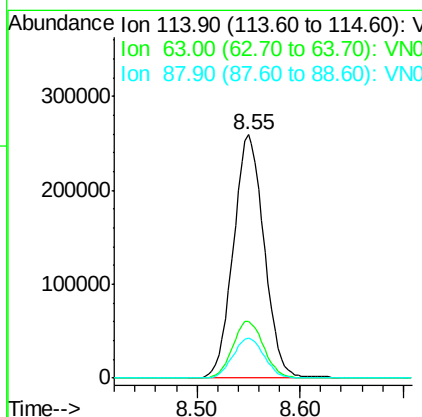
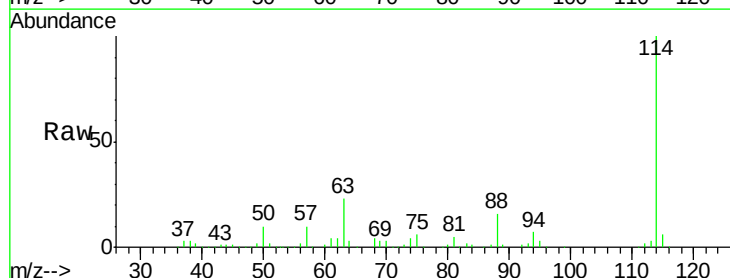
Manual Integrations
 APPROVED

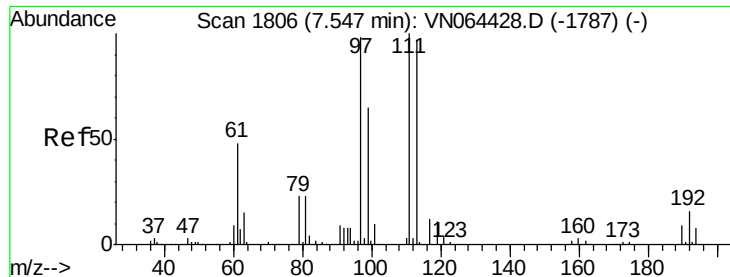
MMDadoda
 11/12/2020 9:12:20 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064547.D
 Acq: 11 Nov 2020 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	23.3	0.0	45.6	
88	16.4	0.0	32.8	





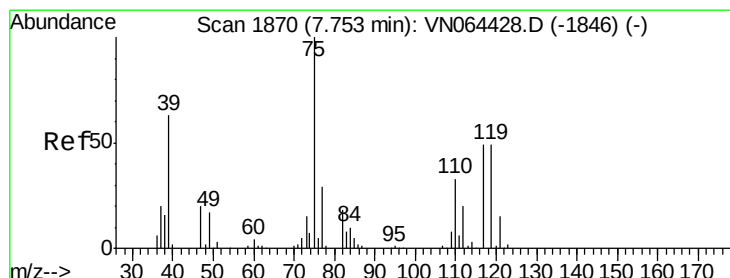
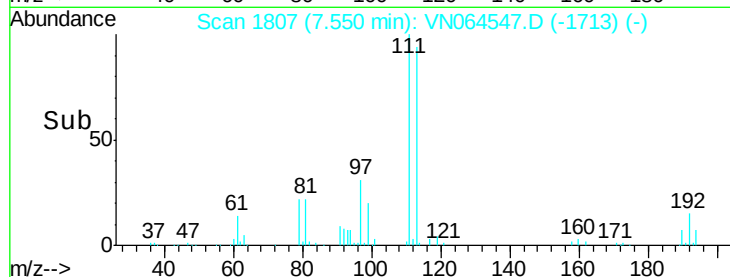
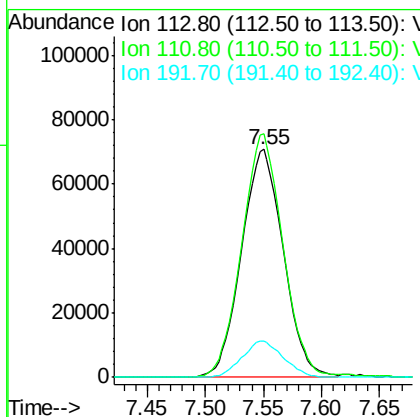
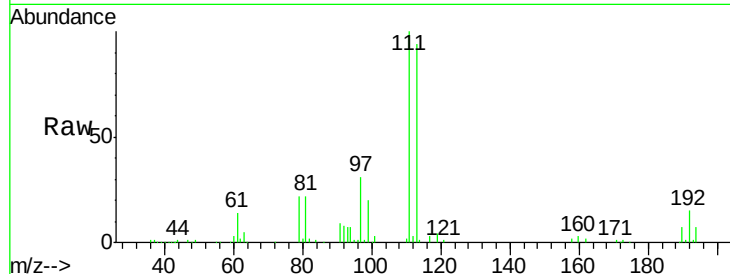
#35
 Dibromofluoromethane
 Concen: 48.391 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064547.D
 Acq: 11 Nov 2020 11:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	177578		
111	105.7	81.1	121.7	
192	15.7	12.8	19.2	

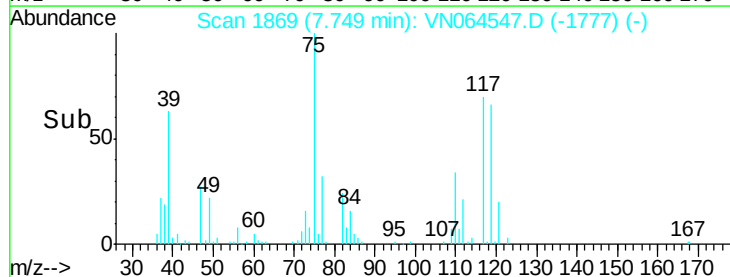
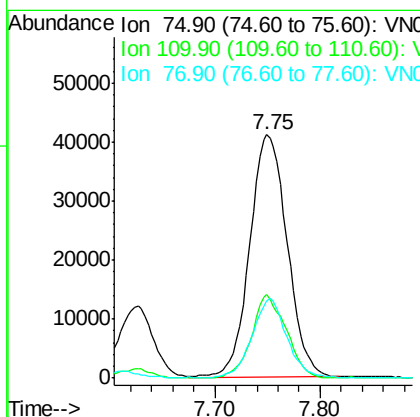
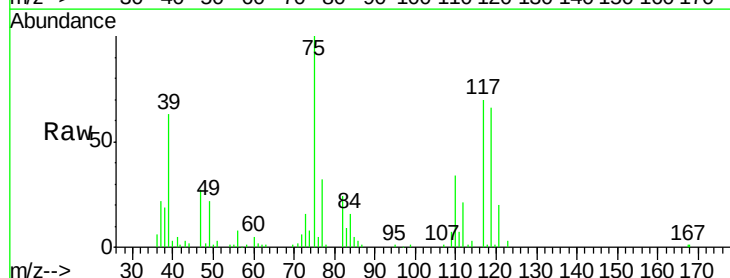
Manual Integrations
 APPROVED

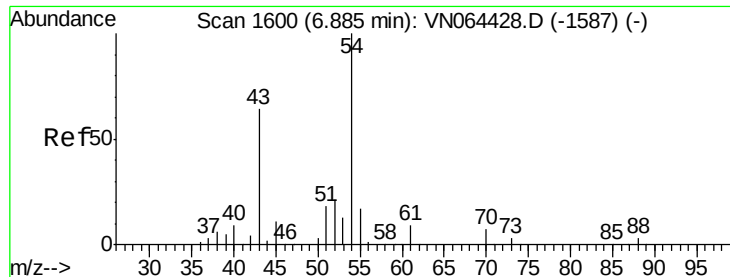
MMDadoda
 11/12/2020 9:12:20 AM



#36
 1,1-Dichloropropene
 Concen: 17.863 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN064547.D
 Acq: 11 Nov 2020 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	101710		
110	31.8	16.0	48.0	
77	30.5	24.0	36.0	





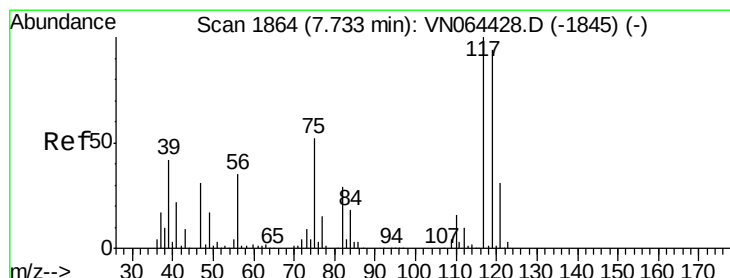
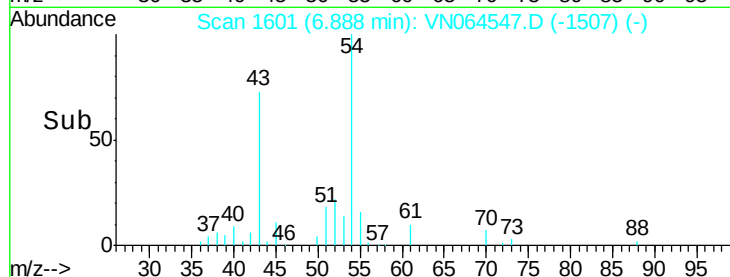
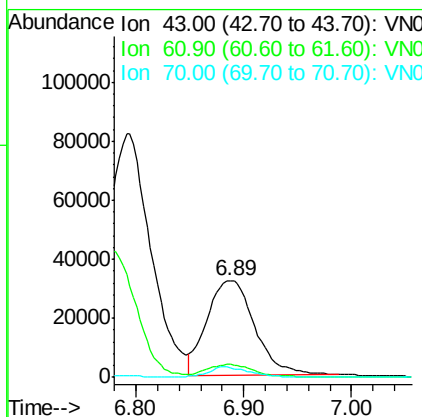
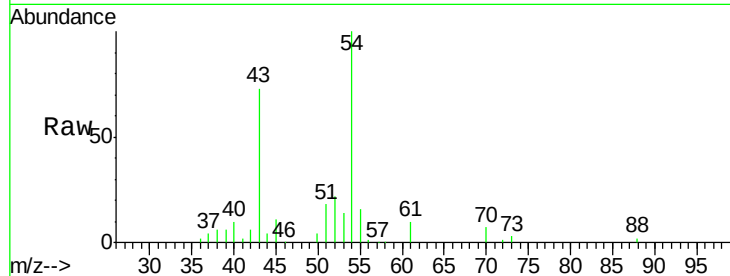
#37
Ethyl Acetate
Concen: 17.817 ug/l
RT: 6.89 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VN064547.D
Acq: 11 Nov 2020 11:55

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.0	15.0
70	9.5	7.1	10.7

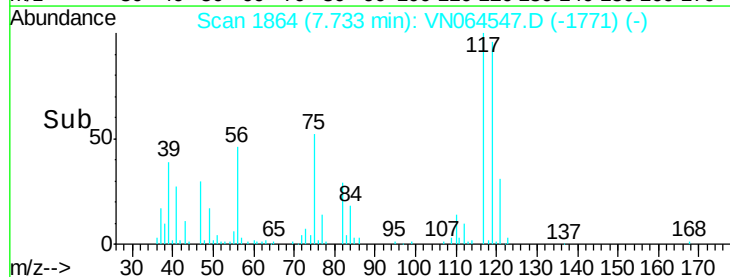
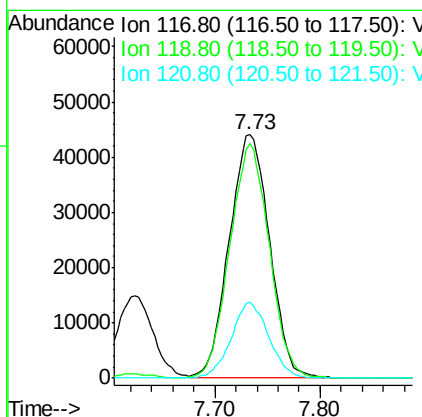
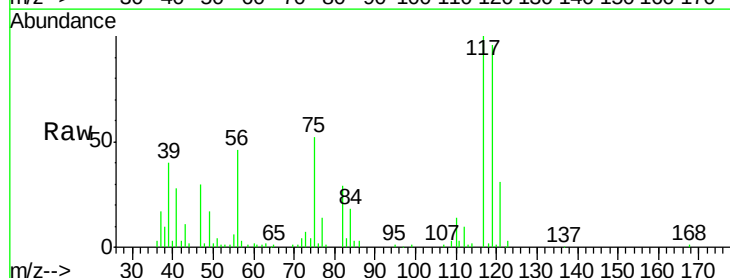
Manual Integrations
APPROVED

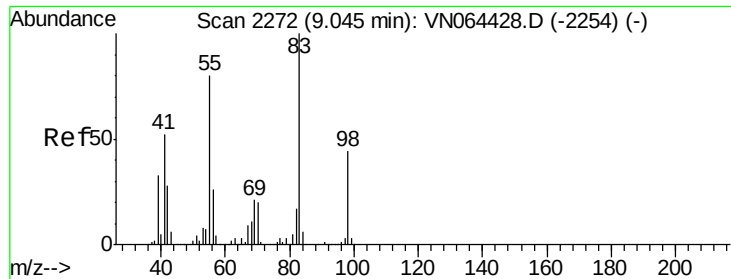
MMDadoda
11/12/2020 9:12:20 AM



#38
Carbon Tetrachloride
Concen: 19.273 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064547.D
Acq: 11 Nov 2020 11:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	75.5	113.3
121	31.1	24.4	36.6





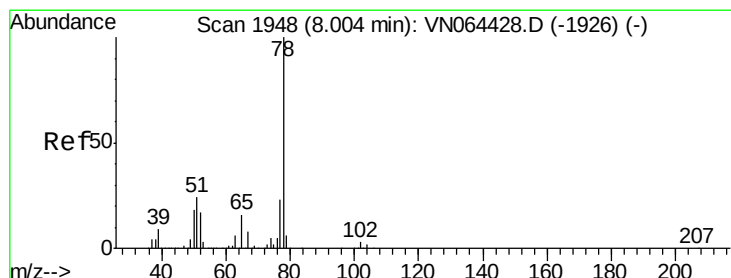
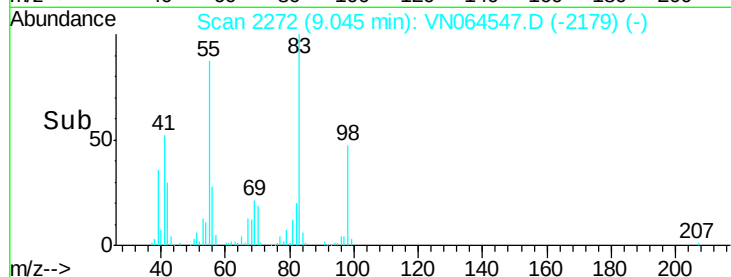
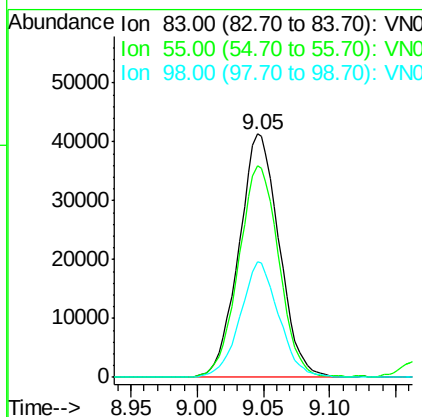
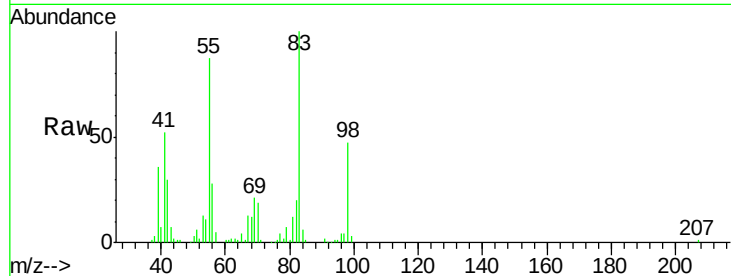
#39
Methylvlcyclohexane
Concen: 17.093 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064547.D
Acq: 11 Nov 2020 11:55

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.9	63.8	95.6
98	47.3	35.4	53.2

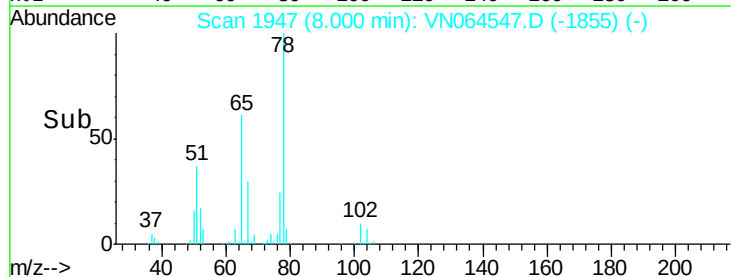
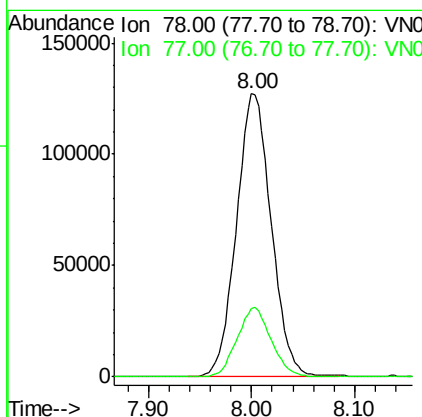
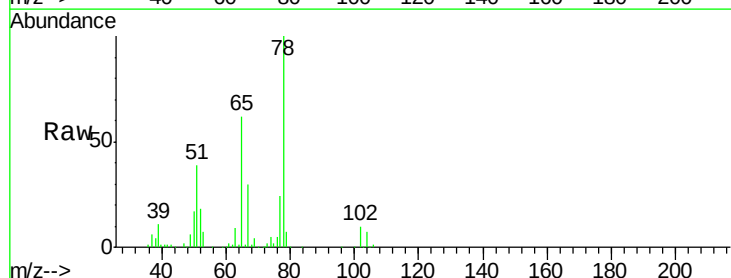
Manual Integrations
APPROVED

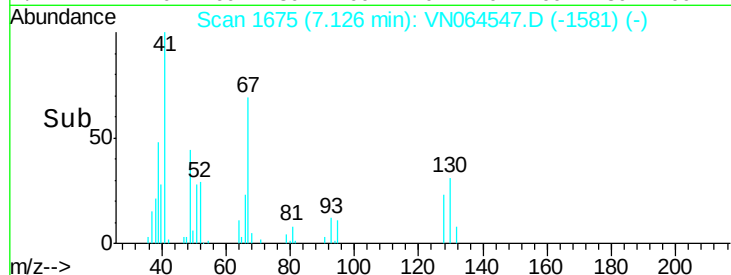
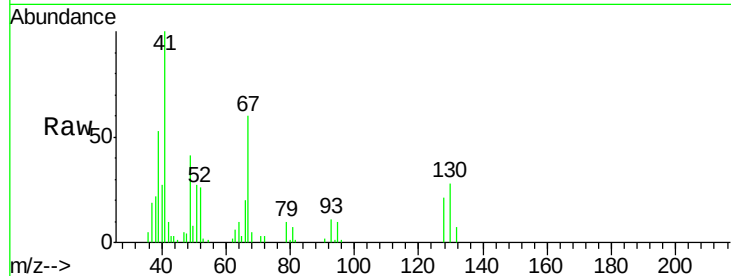
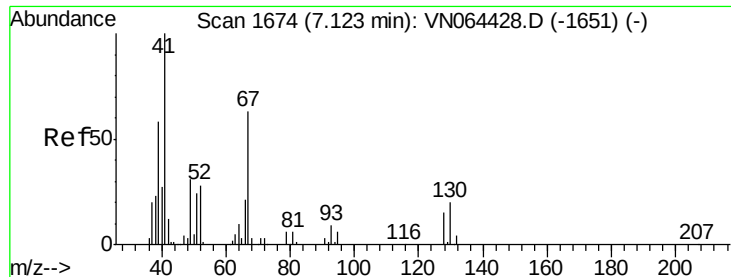
MMDadoda
11/12/2020 9:12:20 AM



#40
Benzene
Concen: 17.821 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064547.D
Acq: 11 Nov 2020 11:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.7	28.1





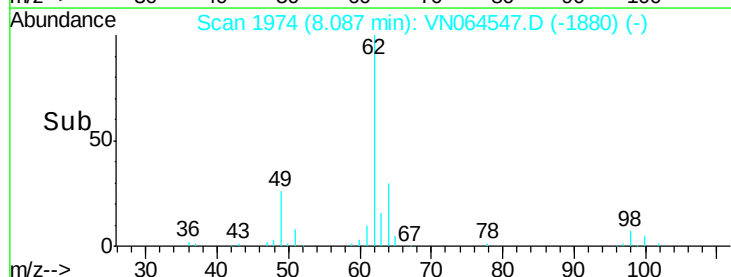
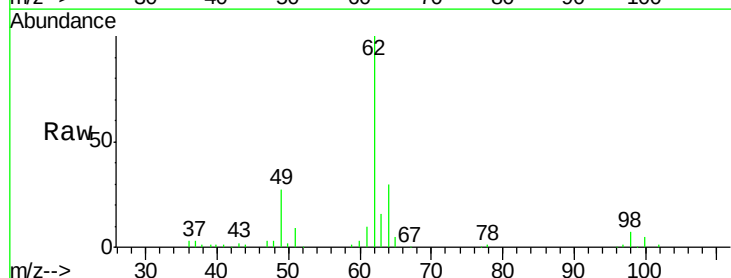
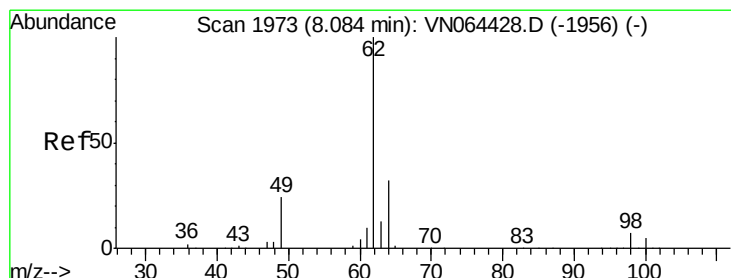
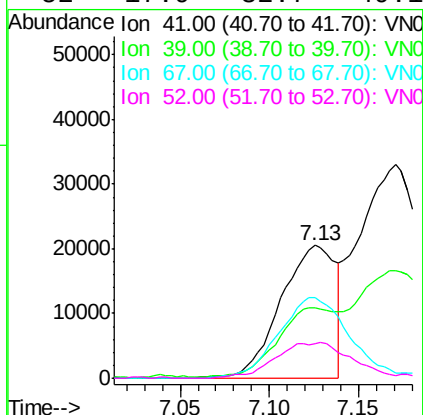
#41
Methacrylonitrile
Concen: 17.437 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN064547.D
Acq: 11 Nov 2020 11:55

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	60.1	50.0	75.0	
67	78.7	68.3	102.5	
52	17.9	32.7	49.1	

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

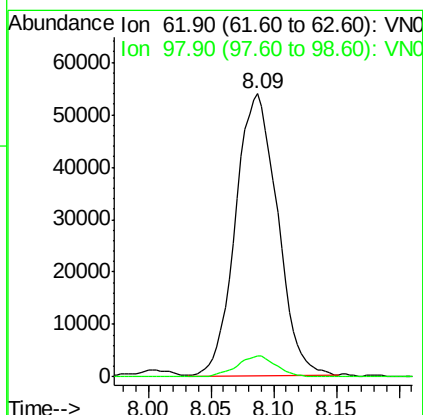
Manual Integrations
APPROVED

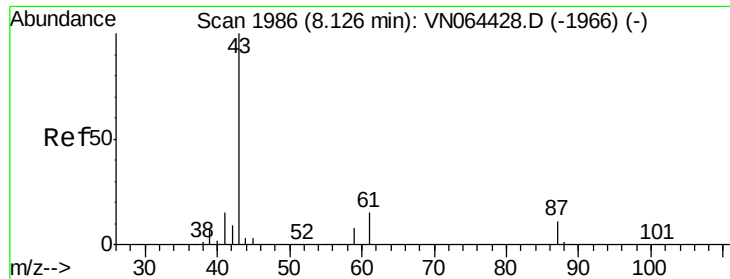
MMDadoda
11/12/2020 9:12:20 AM



#42
1,2-Dichloroethane
Concen: 18.556 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064547.D
Acq: 11 Nov 2020 11:55

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.1	0.0	14.0	





#43

Isopropyl Acetate

Concen: 17.475 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN064547.D

Acq: 11 Nov 2020 11:55

Instrument :

MSVOA_N

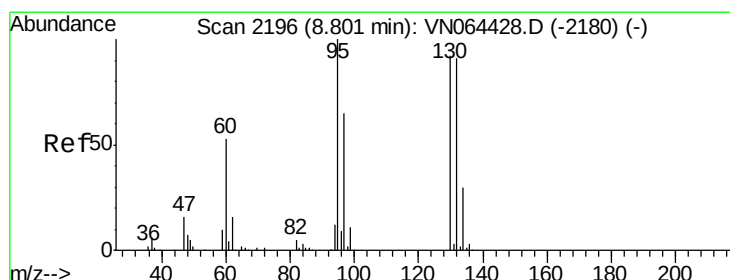
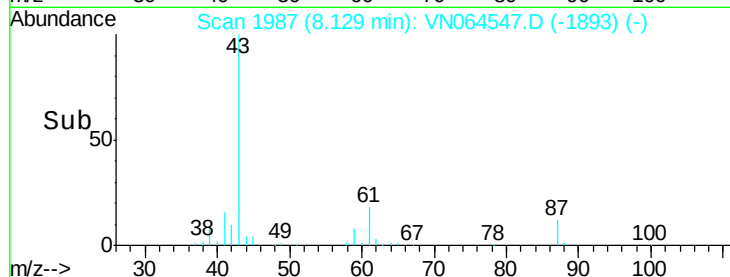
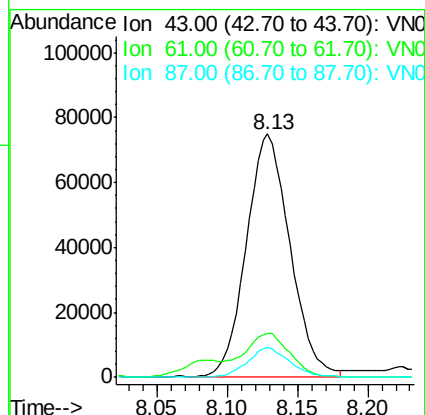
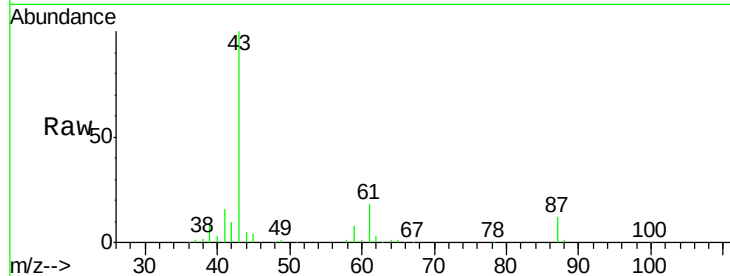
ClientSampleId :

VN1111WBS01

Tot Ion:	43	Resp:	161248
Ion	Ratio	Lower	Upper
43	100		
61	18.2	14.0	21.0
87	12.0	9.1	13.7

Manual Integrations
APPROVED

MMDadoda
11/12/2020 9:12:20 AM



#44

Trichloroethene

Concen: 17.809 ug/l

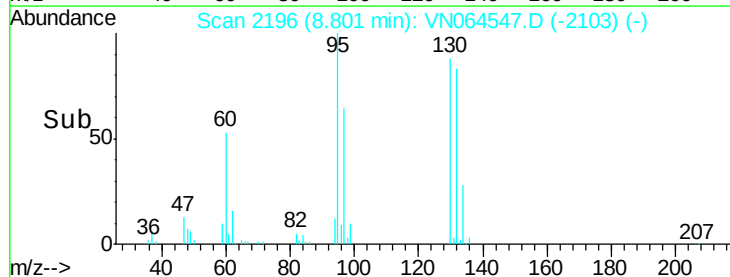
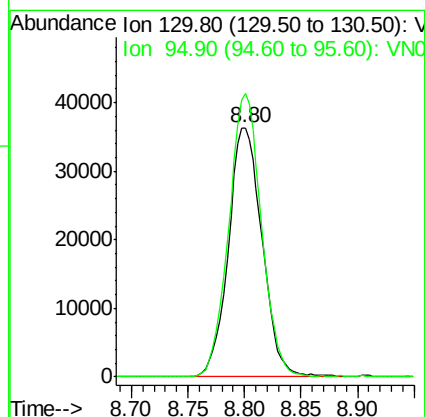
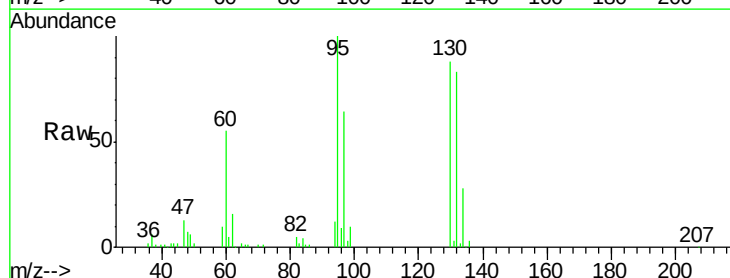
RT: 8.80 min Scan# 2196

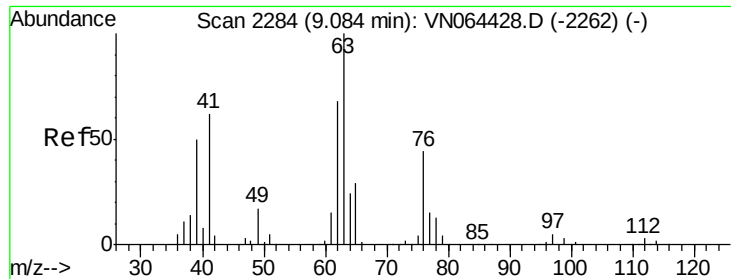
Delta R.T. -0.00 min

Lab File: VN064547.D

Acq: 11 Nov 2020 11:55

Tgt Ion:	130	Resp:	75176
Ion	Ratio	Lower	Upper
130	100		
95	113.5	0.0	216.8





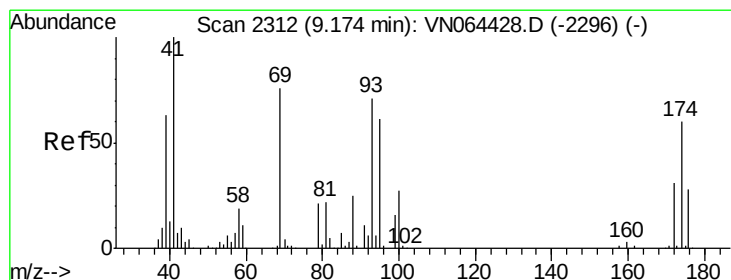
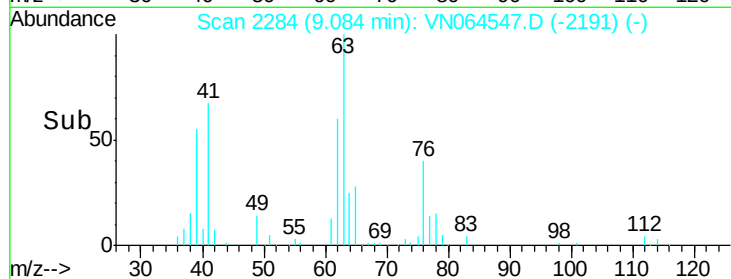
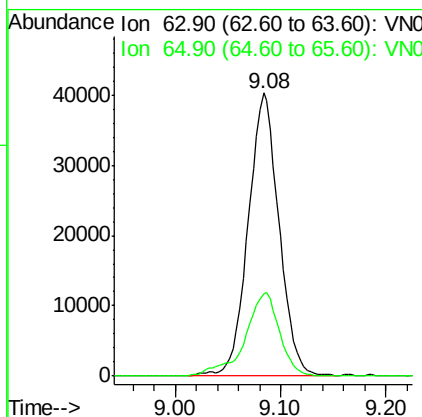
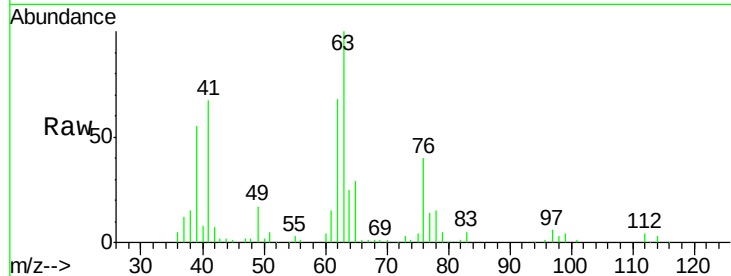
#45
 1,2-Dichloropropane
 Concen: 18.376 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064547.D
 Acq: 11 Nov 2020 11:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111WBS01

Tot Ion: 63 Resp: 82038
 Ion Ratio Lower Upper
 63 100
 65 29.3 23.6 35.4

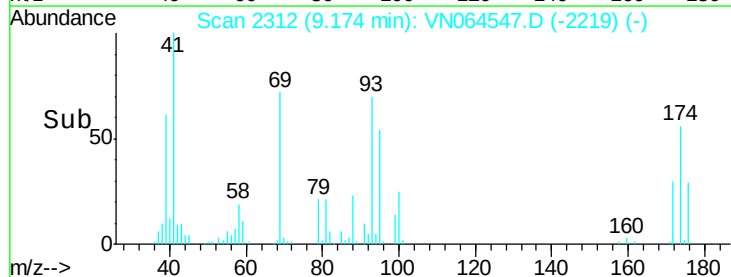
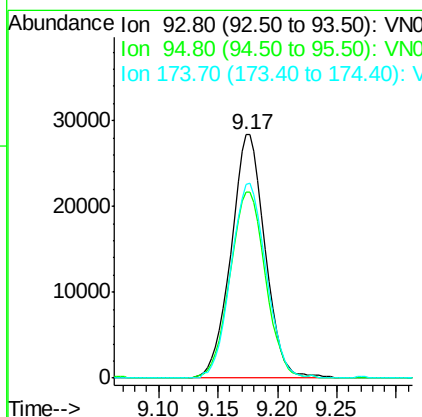
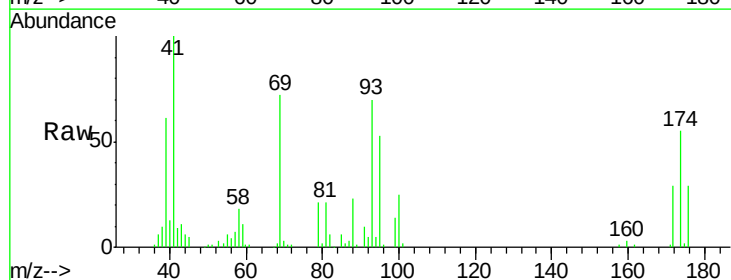
Manual Integrations
 APPROVED

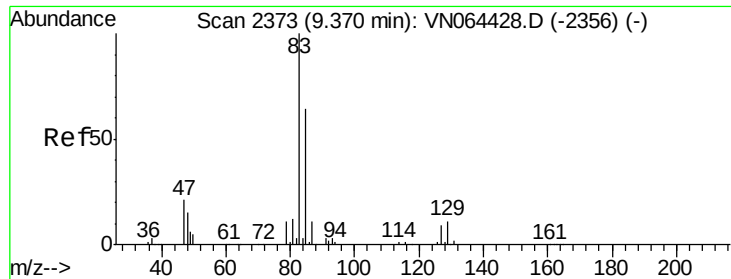
MMDadoda
 11/12/2020 9:12:20 AM



#46
 Dibromomethane
 Concen: 19.150 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN064547.D
 Acq: 11 Nov 2020 11:55

Tgt Ion: 93 Resp: 56279
 Ion Ratio Lower Upper
 93 100
 95 79.8 66.4 99.6
 174 82.6 67.2 100.8





#47

Bromodichloromethane

Concen: 18.664 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN064547.D

Acq: 11 Nov 2020 11:55

Instrument :

MSVOA_N

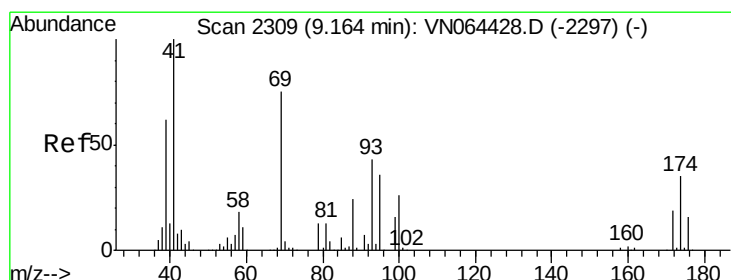
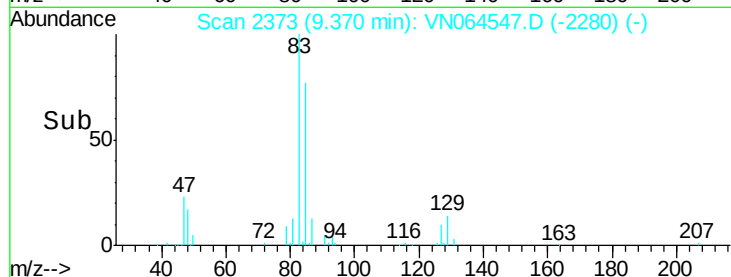
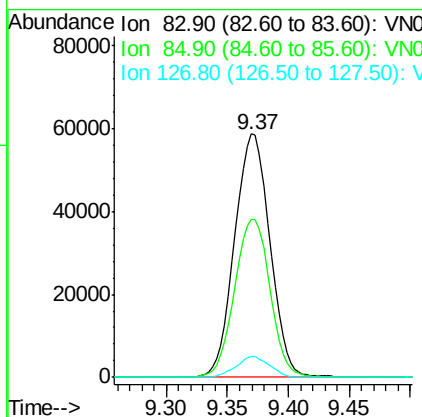
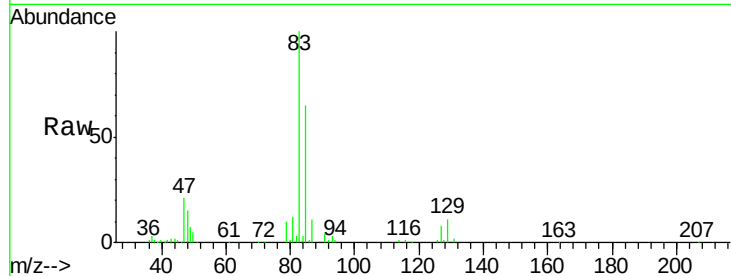
ClientSampleId :

VN1111WBS01

Tot Ion	83	Resp	117936
Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.2	76.8
127	8.5	6.9	10.3

Manual Integrations
APPROVED

MMDadoda
11/12/2020 9:12:20 AM



#48

Methyl methacrylate

Concen: 17.912 ug/l

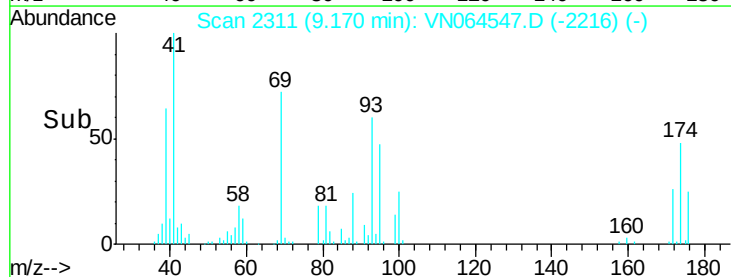
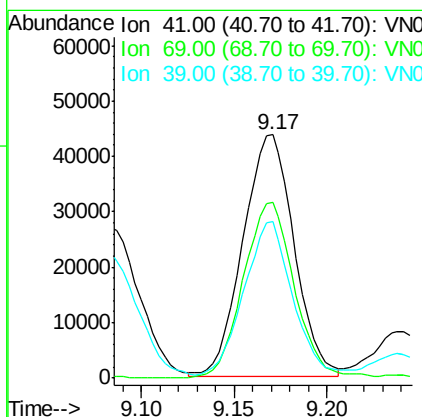
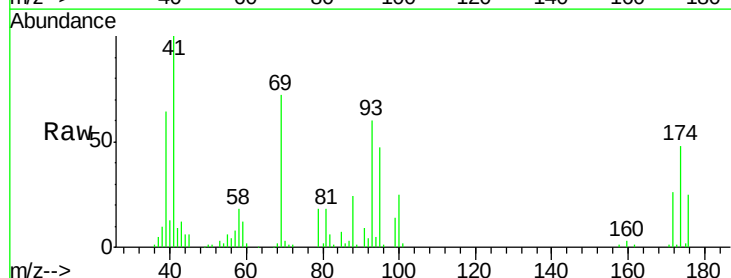
RT: 9.17 min Scan# 2311

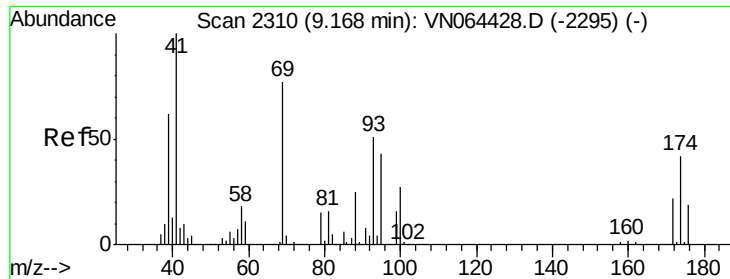
Delta R.T. 0.01 min

Lab File: VN064547.D

Acq: 11 Nov 2020 11:55

Tgt Ion	41	Resp	83401
Ion	Ratio	Lower	Upper
41	100		
69	72.8	60.4	90.6
39	61.5	51.2	76.8





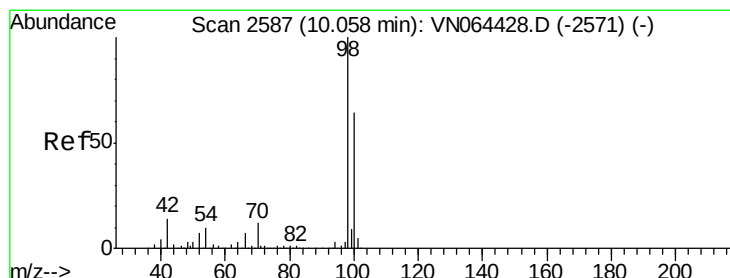
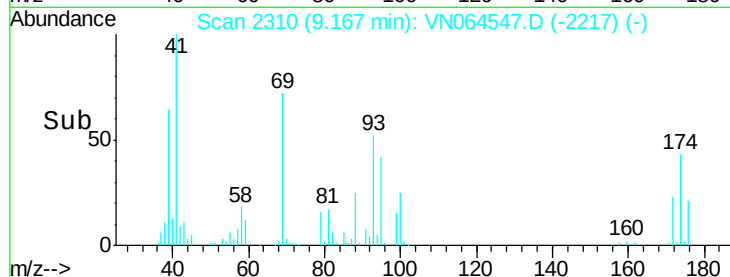
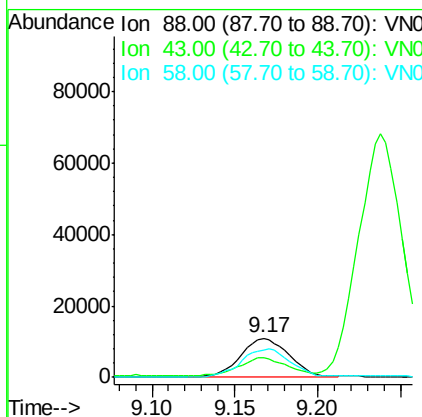
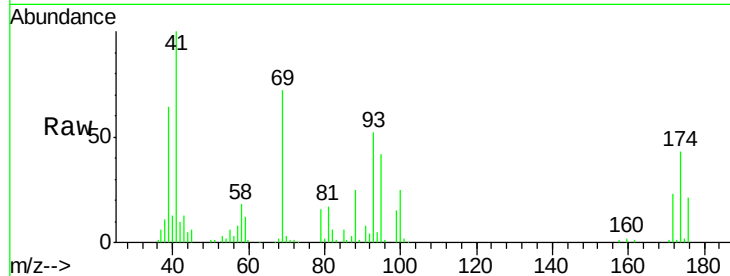
#49
1,4-Dioxane
Concen: 366.083 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN064547.D
Acq: 11 Nov 2020 11:55

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	46.0	31.0	46.6
58	73.9	58.4	87.6

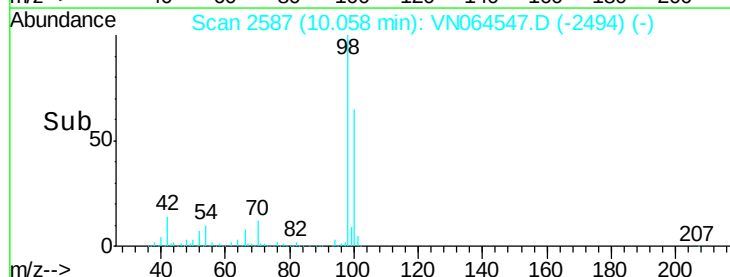
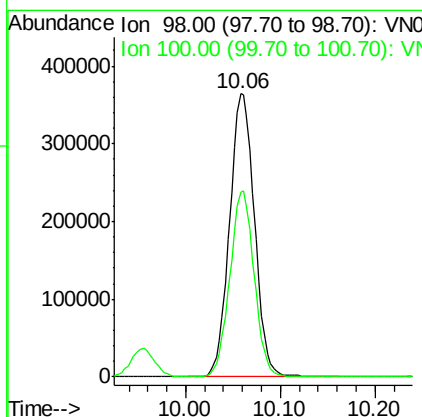
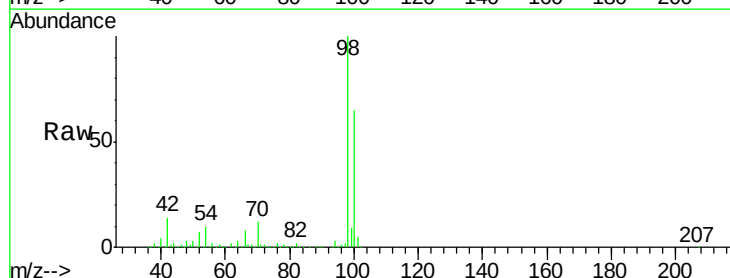
Manual Integrations
APPROVED

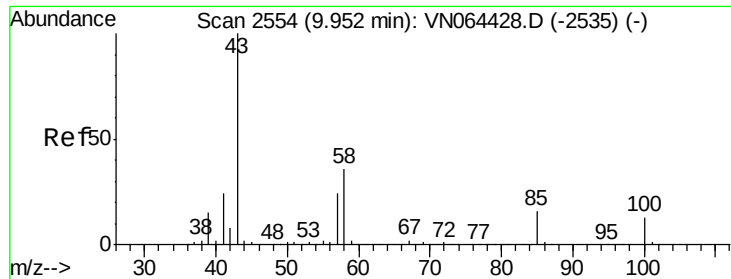
MMDadoda
11/12/2020 9:12:20 AM



#50
Toluene-d8
Concen: 47.074 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064547.D
Acq: 11 Nov 2020 11:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 92.934 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN064547.D

Acq: 11 Nov 2020 11:55

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBS01

Tot Ion: 43 Resp: 500086

Ion Ratio Lower Upper

43 100

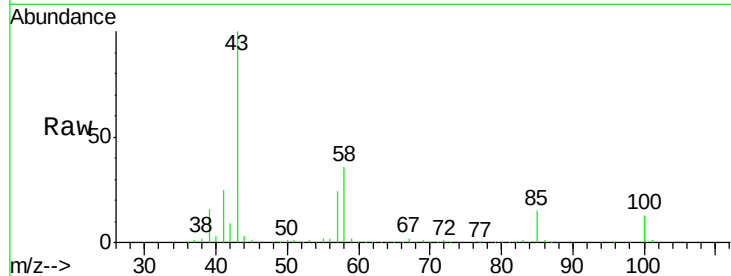
58 35.8 28.4 42.6

Manual Integrations

APPROVED

MMDadoda

11/12/2020 9:12:20 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.95

250000

200000

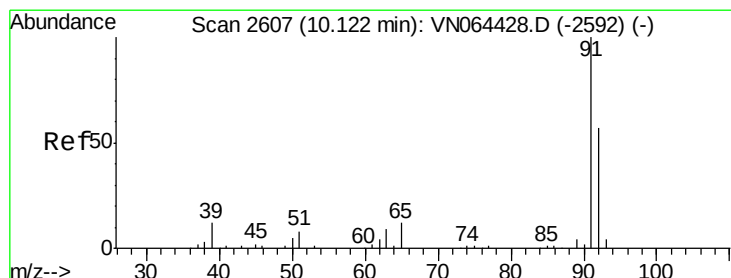
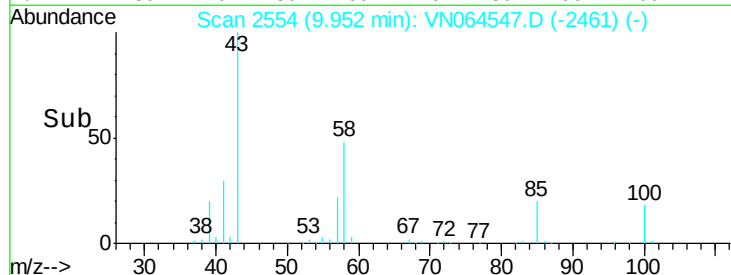
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.519 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064547.D

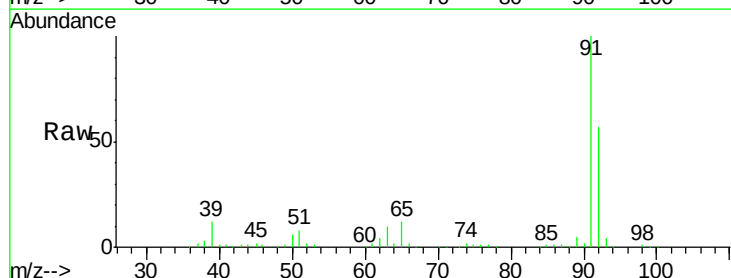
Acq: 11 Nov 2020 11:55

Tgt Ion: 92 Resp: 188978

Ion Ratio Lower Upper

92 100

91 174.2 139.6 209.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.13

200000

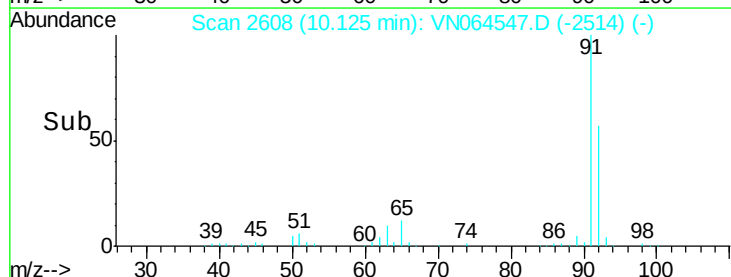
150000

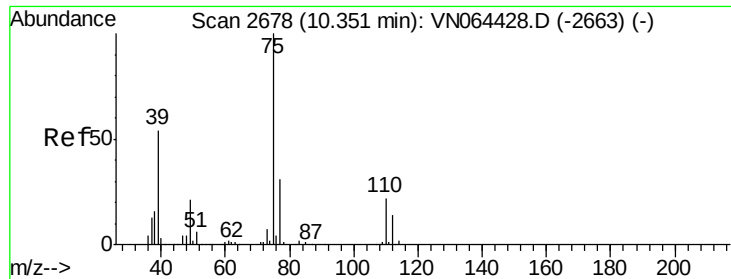
100000

50000

0

Time-->





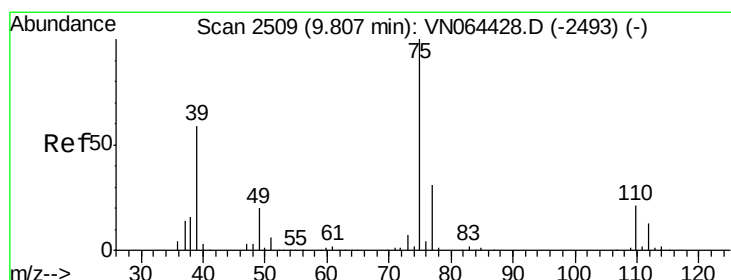
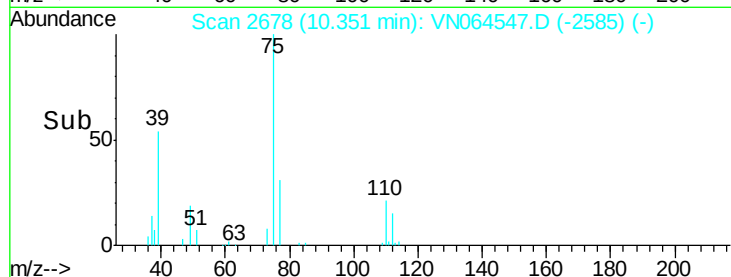
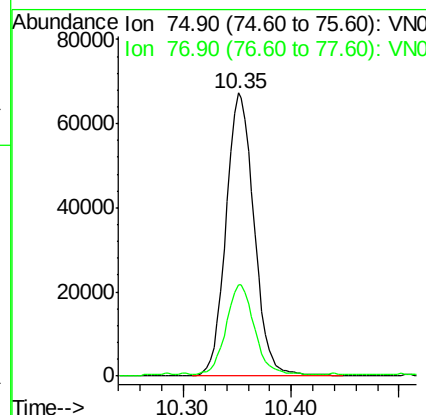
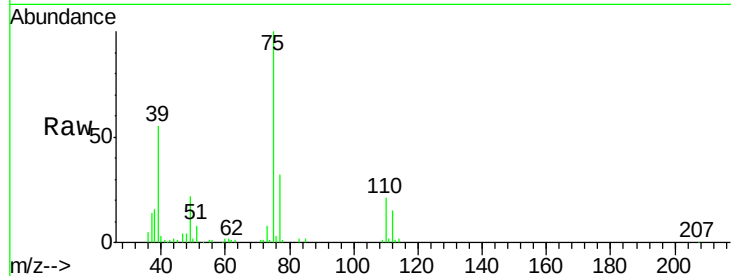
#53
t-1,3-Dichloropropene
Concen: 18.210 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064547.D
Acq: 11 Nov 2020 11:55

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.8	37.2

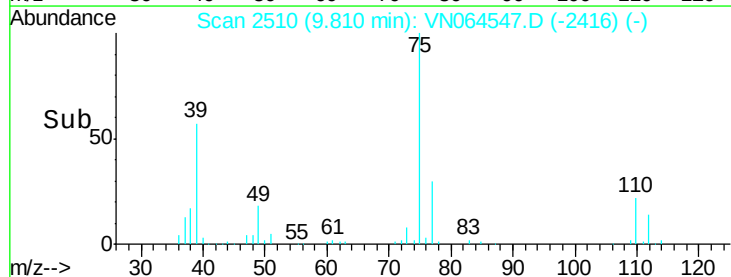
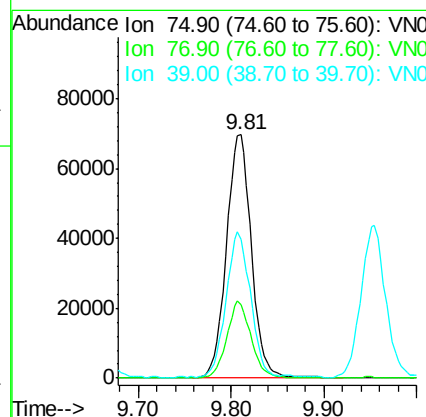
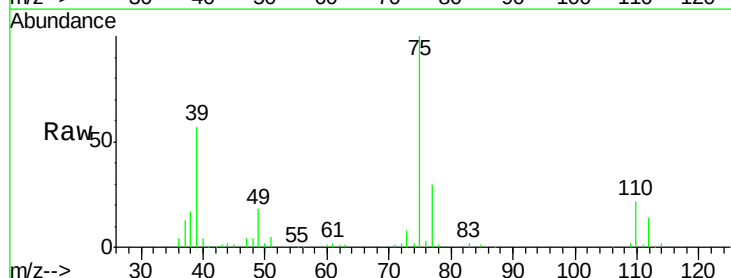
Manual Integrations
APPROVED

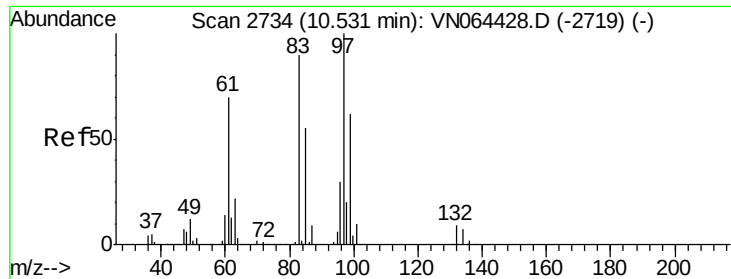
MMDadoda
11/12/2020 9:12:20 AM



#54
cis-1,3-Dichloropropene
Concen: 18.136 ug/l
RT: 9.81 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VN064547.D
Acq: 11 Nov 2020 11:55

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.3	24.9	37.3
39	56.6	47.1	70.7





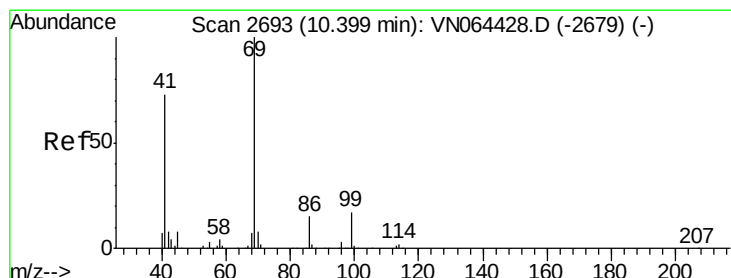
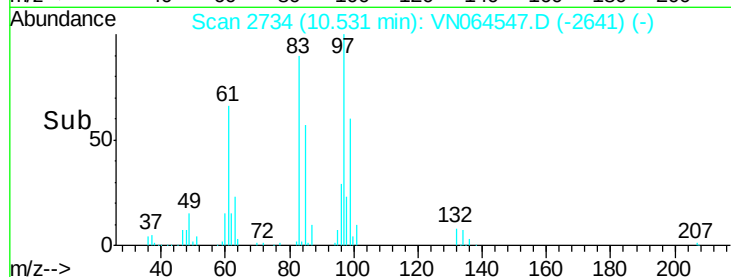
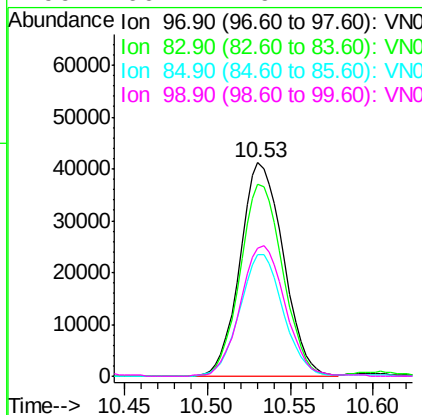
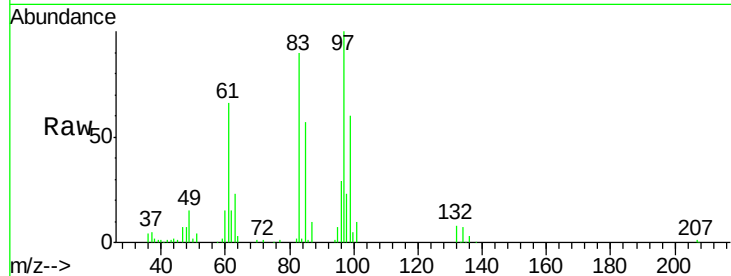
#55
 1,1,2-Trichloroethane
 Concen: 18.783 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064547.D
 Acq: 11 Nov 2020 11:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111WBS01

Tot Ion:	97	Resp:	74753
Ion	Ratio	Lower	Upper
97	100		
83	89.8	71.7	107.5
85	56.9	44.3	66.5
99	60.2	49.4	74.2

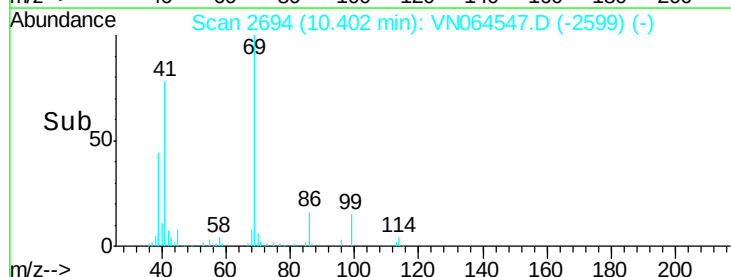
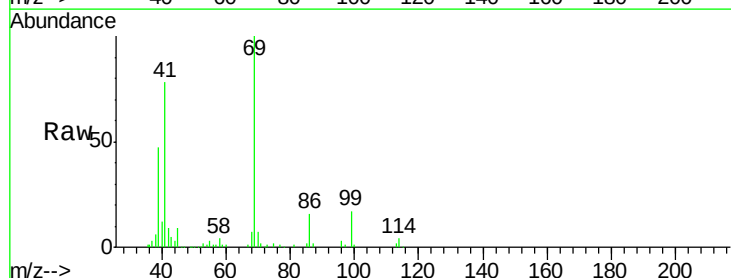
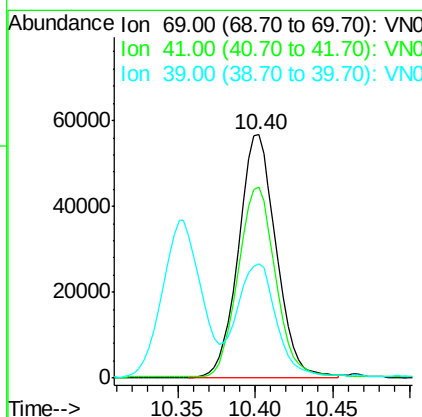
Manual Integrations
 APPROVED

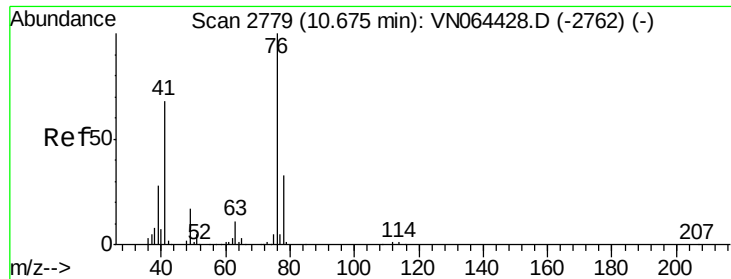
MMDadoda
 11/12/2020 9:12:20 AM



#56
 Ethyl methacrylate
 Concen: 16.009 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN064547.D
 Acq: 11 Nov 2020 11:55

Tgt Ion:	69	Resp:	96314
Ion	Ratio	Lower	Upper
69	100		
41	76.6	59.3	88.9
39	46.6	35.4	53.0





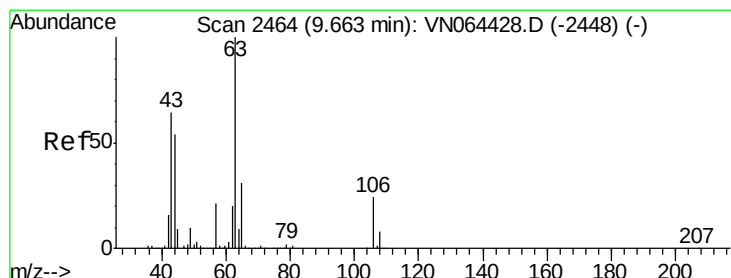
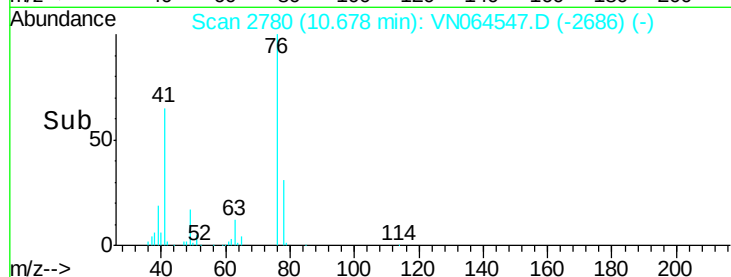
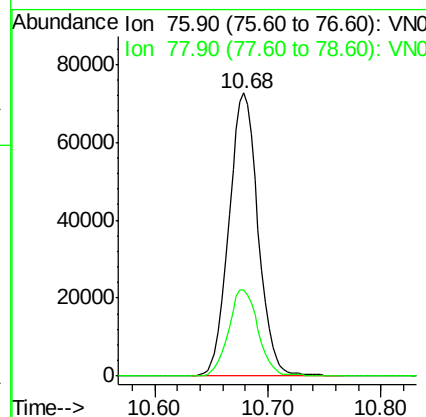
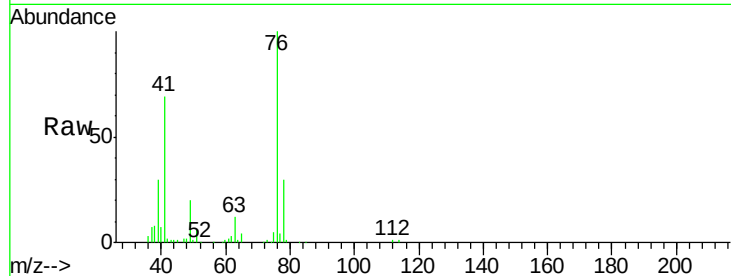
#57
 1,3-Dichloropropane
 Concen: 18.708 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN064547.D
 Acq: 11 Nov 2020 11:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.2	25.8	38.6

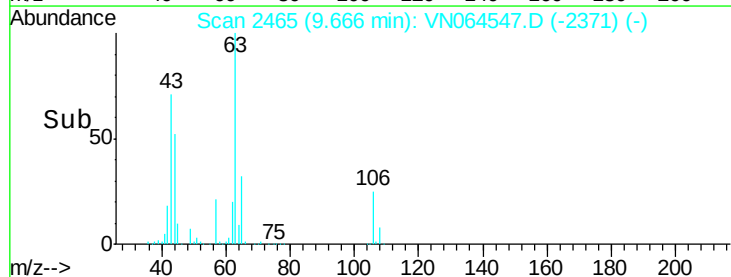
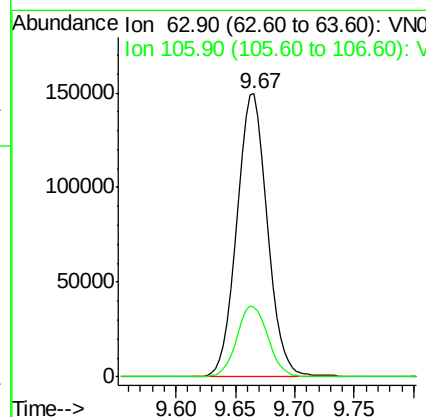
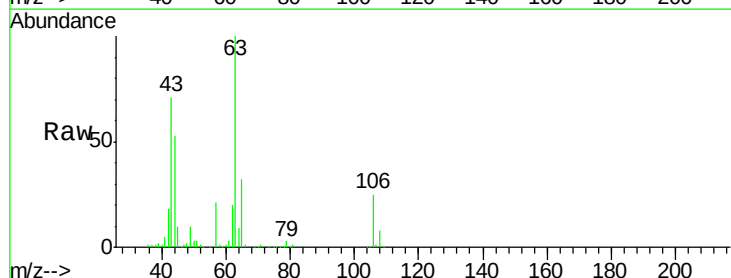
Manual Integrations
 APPROVED

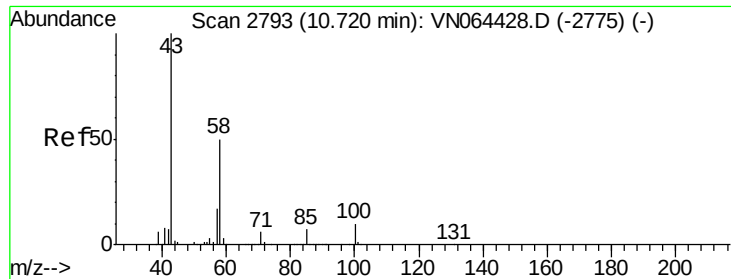
MMDadoda
 11/12/2020 9:12:20 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.464 ug/l
 RT: 9.67 min Scan# 2465
 Delta R.T. 0.00 min
 Lab File: VN064547.D
 Acq: 11 Nov 2020 11:55

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.6	19.5	29.3





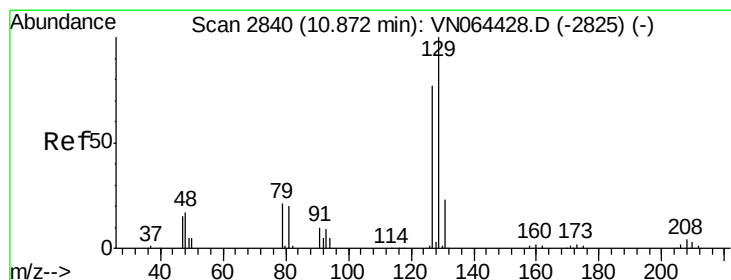
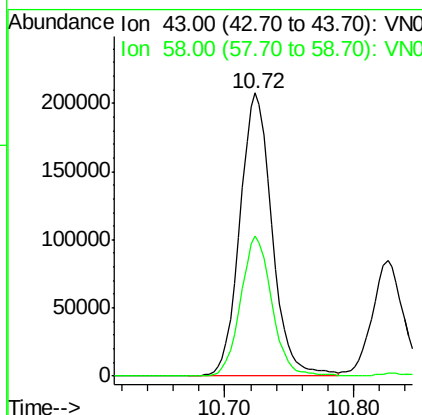
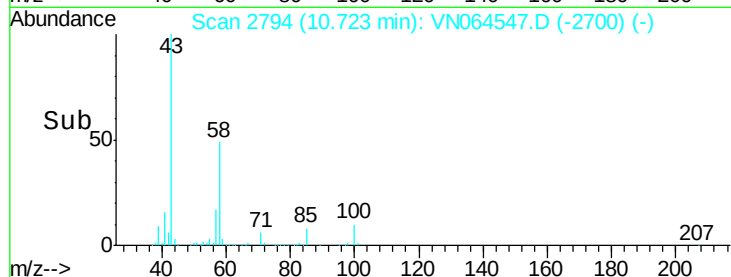
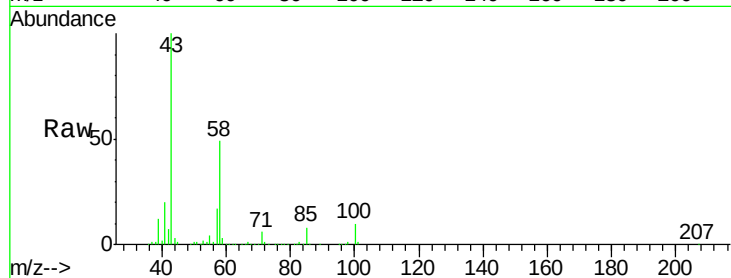
#59
2-Hexanone
Concen: 84.144 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064547.D
Acq: 11 Nov 2020 11:55

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tot Ion: 43 Resp: 357301
Ion Ratio Lower Upper
43 100
58 48.5 24.7 74.1

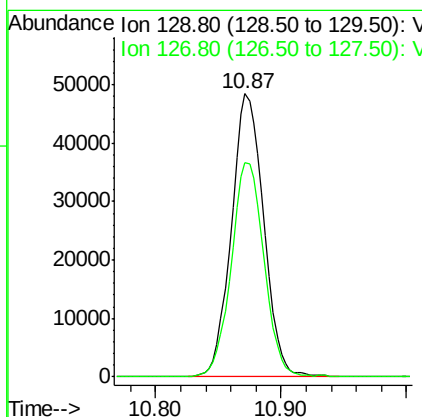
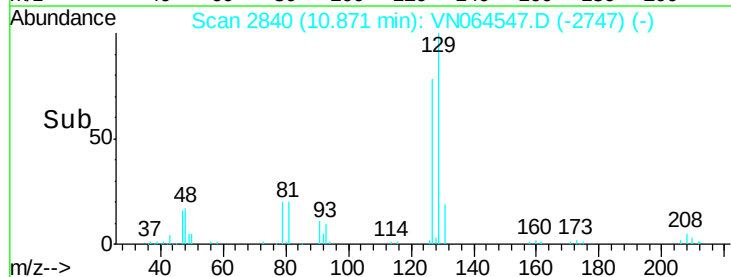
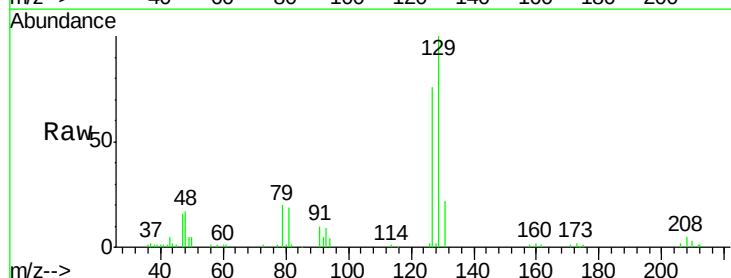
Manual Integrations
APPROVED

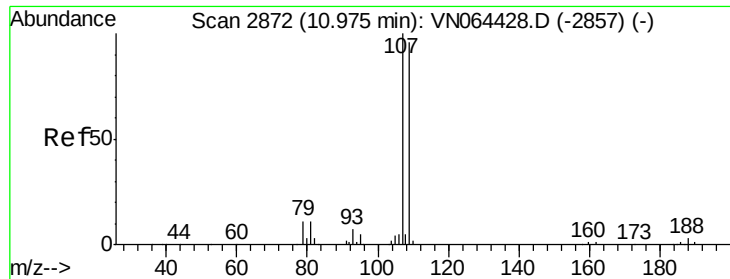
MMDadoda
11/12/2020 9:12:20 AM



#60
Dibromochloromethane
Concen: 19.450 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064547.D
Acq: 11 Nov 2020 11:55

Tgt Ion: 129 Resp: 86666
Ion Ratio Lower Upper
129 100
127 76.4 38.9 116.7





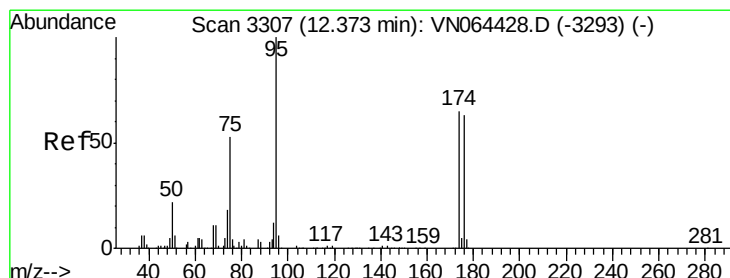
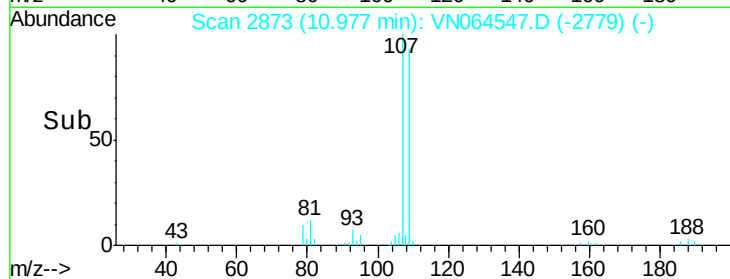
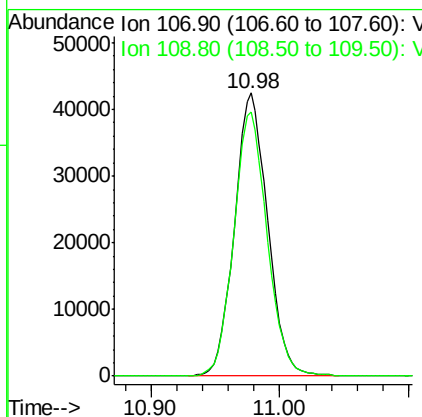
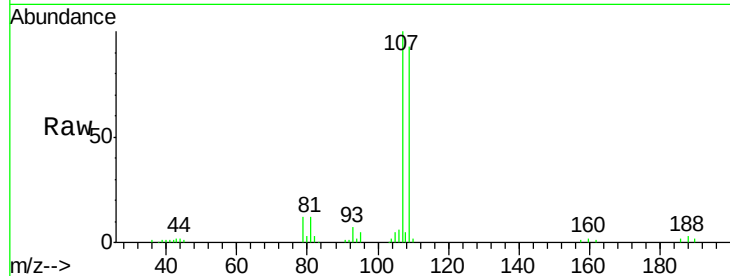
#61
 1,2-Dibromoethane
 Concen: 18.762 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064547.D
 Acq: 11 Nov 2020 11:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.9	113.9

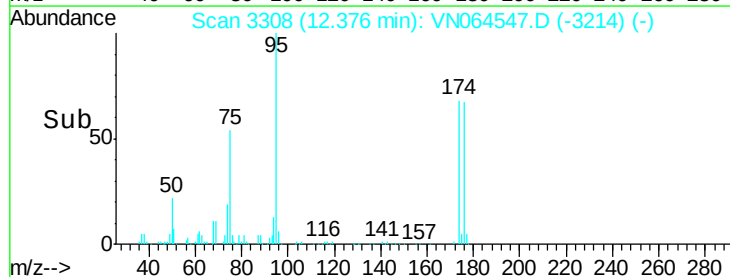
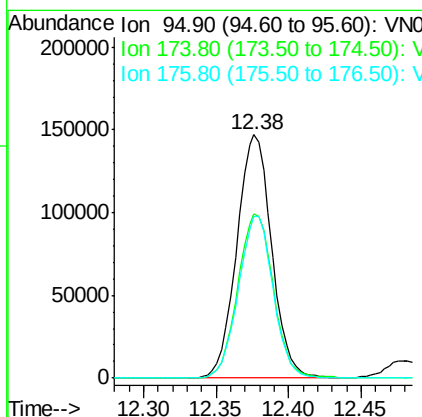
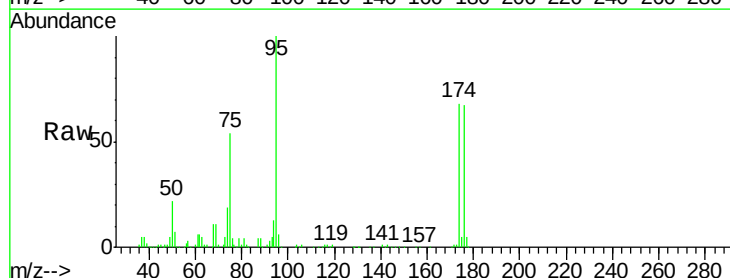
Manual Integrations
 APPROVED

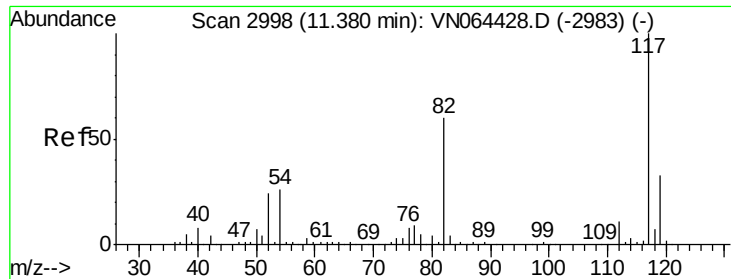
MMDadoda
 11/12/2020 9:12:20 AM



#62
 4-Bromofluorobenzene
 Concen: 45.773 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064547.D
 Acq: 11 Nov 2020 11:55

Tgt Ion	Ratio	Lower	Upper
95	100		
174	69.1	0.0	132.6
176	66.5	0.0	129.2





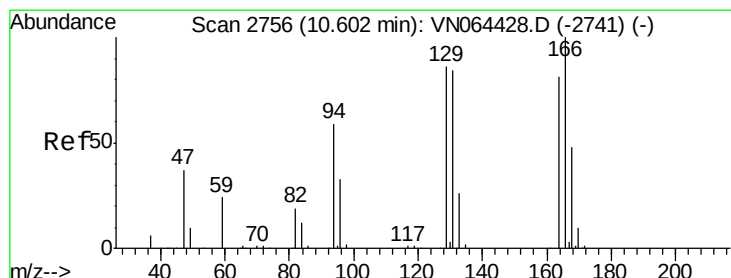
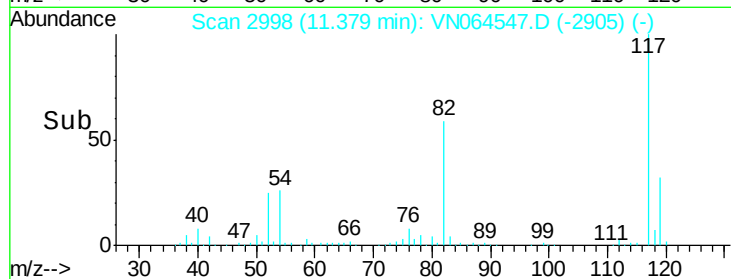
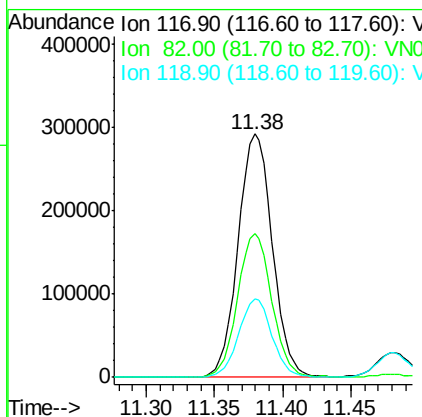
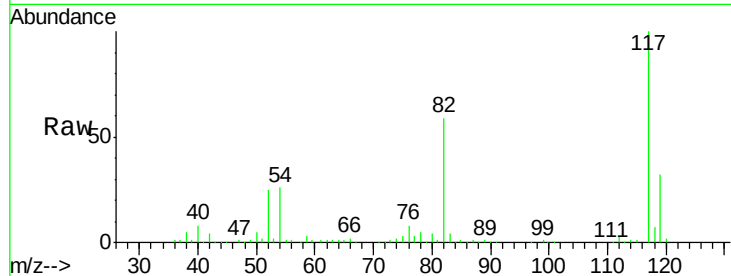
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064547.D
Acq: 11 Nov 2020 11:55

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.3	48.1	72.1
119	32.2	26.2	39.4

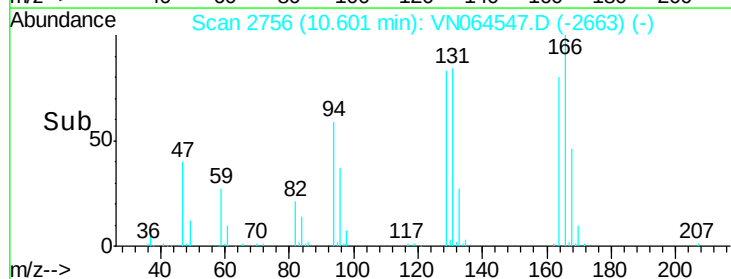
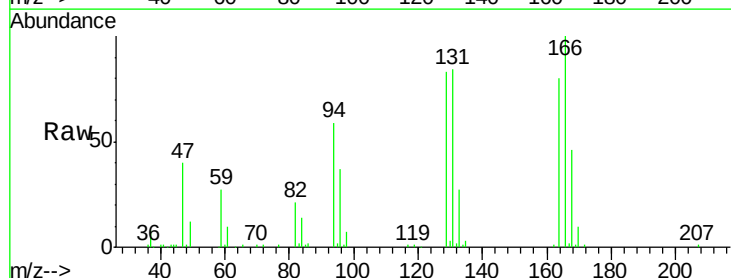
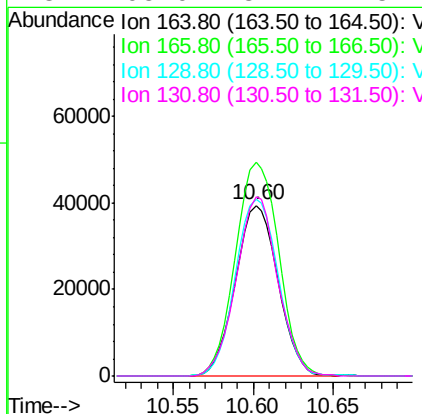
Manual Integrations
APPROVED

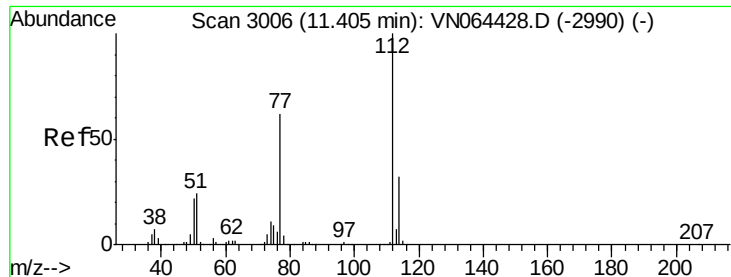
MMDadoda
11/12/2020 9:12:20 AM



#64
Tetrachloroethene
Concen: 18.158 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064547.D
Acq: 11 Nov 2020 11:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.1	98.2	147.2
129	103.7	84.6	127.0
131	105.0	82.2	123.2





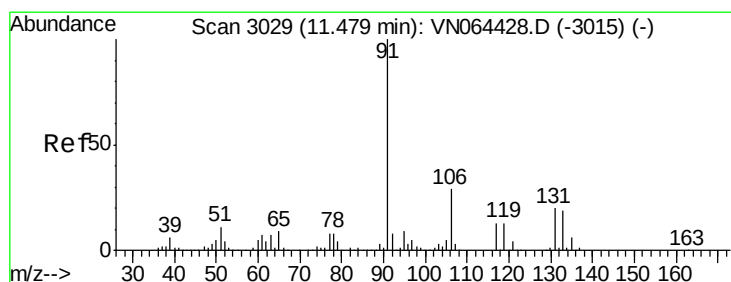
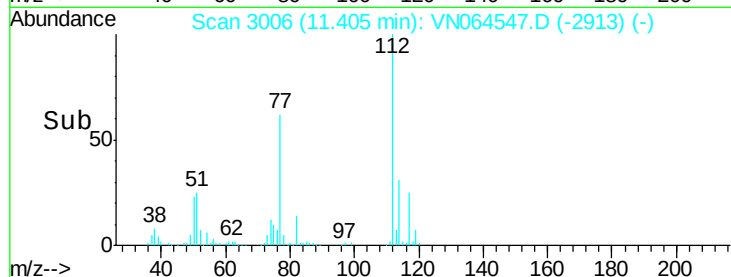
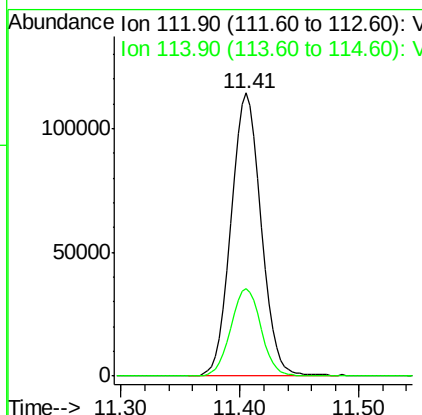
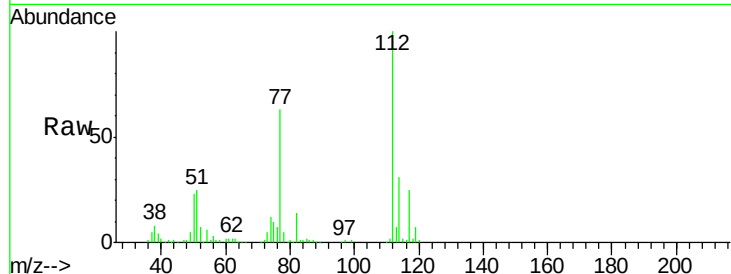
#65
Chlorobenzene
Concen: 17.870 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064547.D
Acq: 11 Nov 2020 11:55

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.8	25.6	38.4

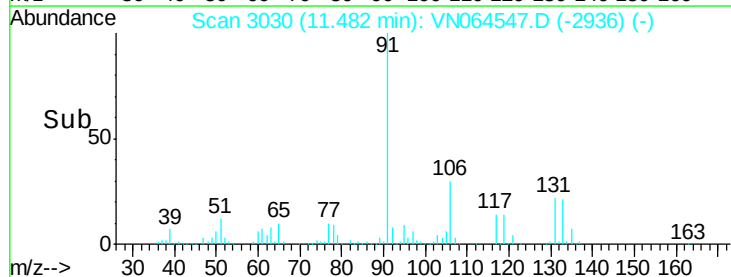
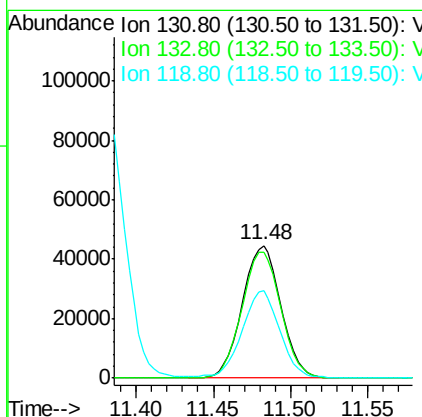
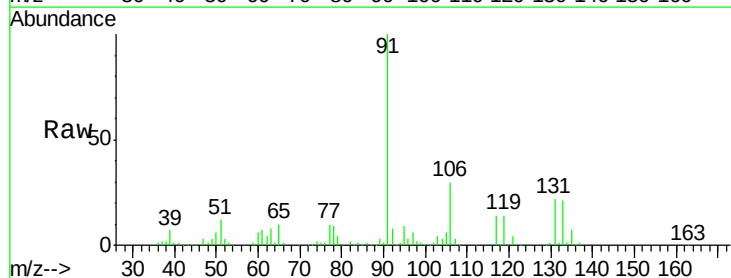
Manual Integrations
APPROVED

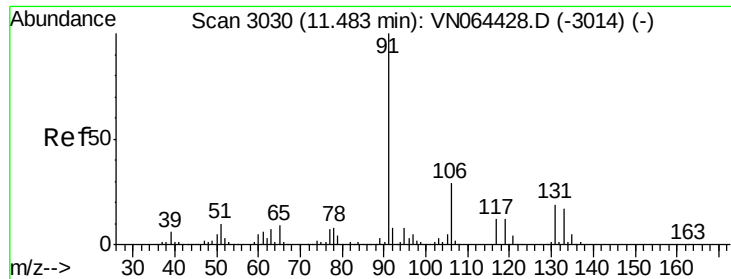
MMDadoda
11/12/2020 9:12:20 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.513 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064547.D
Acq: 11 Nov 2020 11:55

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.6	46.9	140.7
119	64.8	32.1	96.5





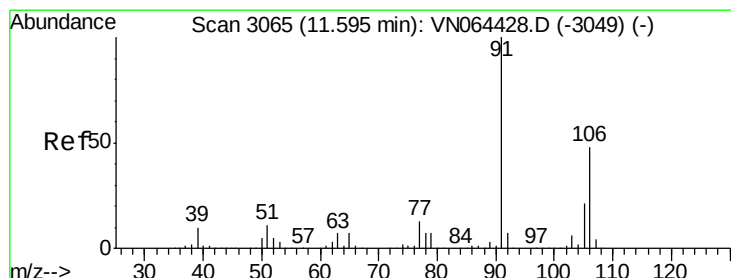
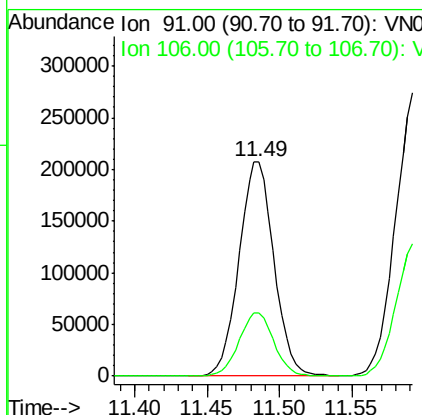
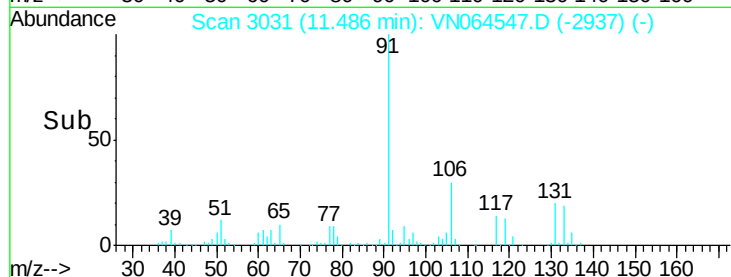
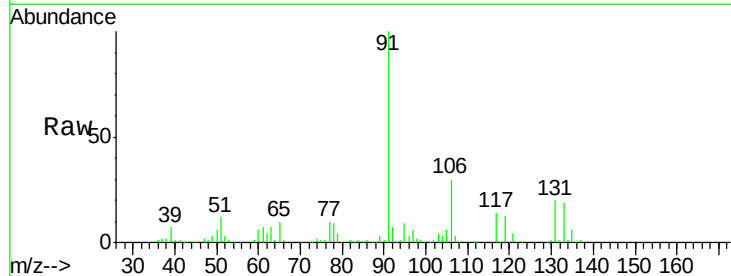
#67
Ethyl Benzene
Concen: 17.399 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN064547.D
Acq: 11 Nov 2020 11:55

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tot Ion: 91 Resp: 346728
Ion Ratio Lower Upper
91 100
106 29.8 23.6 35.4

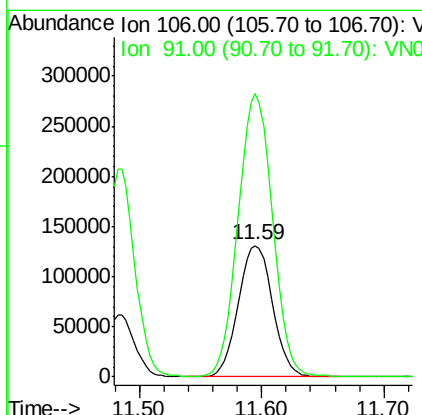
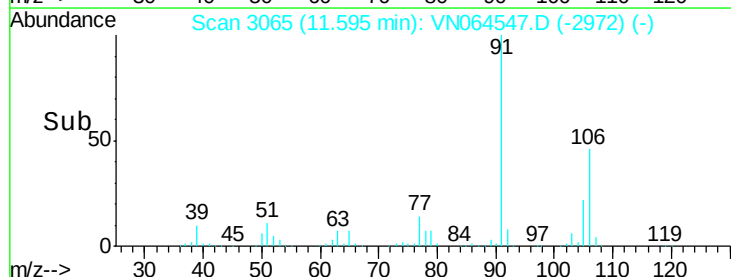
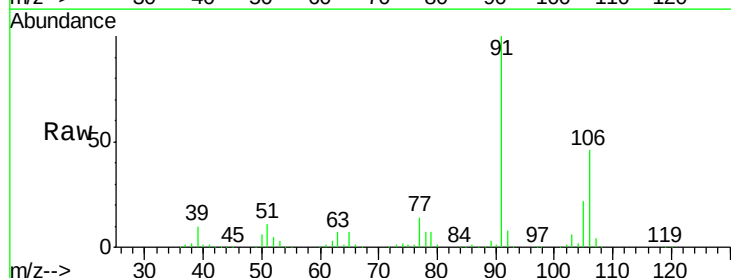
Manual Integrations
APPROVED

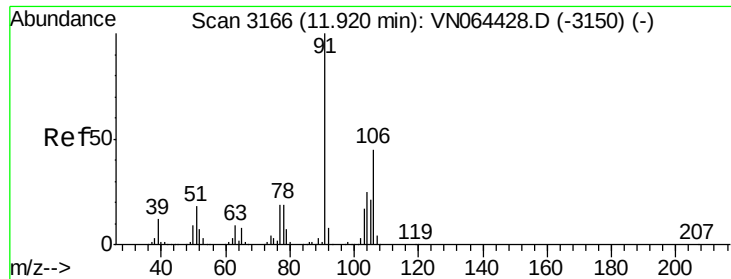
MMDadoda
11/12/2020 9:12:20 AM



#68
m/p-Xylenes
Concen: 35.248 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064547.D
Acq: 11 Nov 2020 11:55

Tgt Ion: 106 Resp: 254737
Ion Ratio Lower Upper
106 100
91 214.8 169.4 254.2





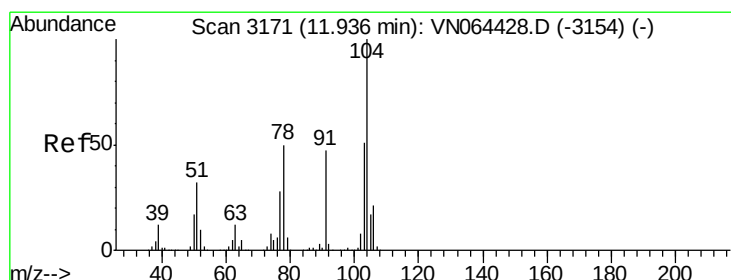
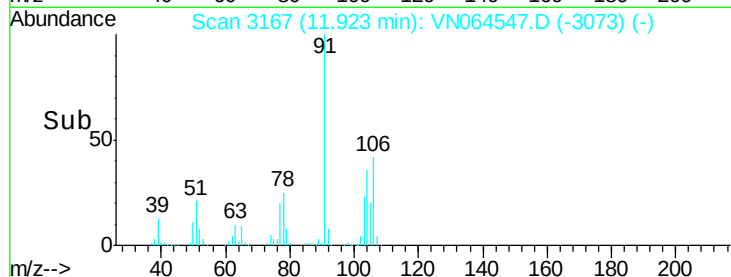
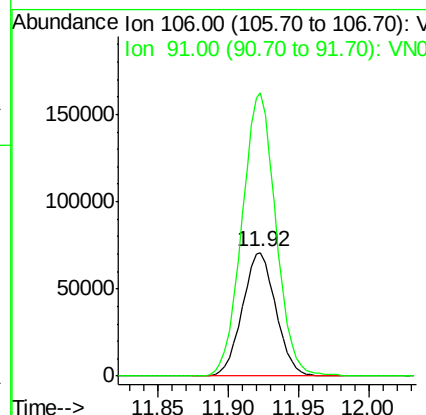
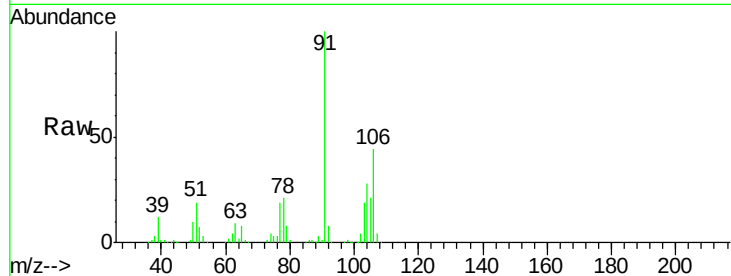
#69
o-Xylene
Concen: 16.968 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064547.D
Acq: 11 Nov 2020 11:55

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		118494		
91	229.9	111.7	334.9		

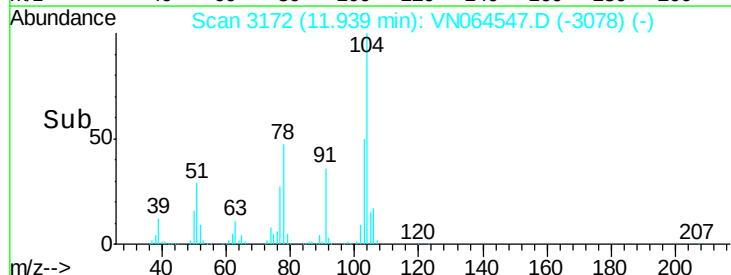
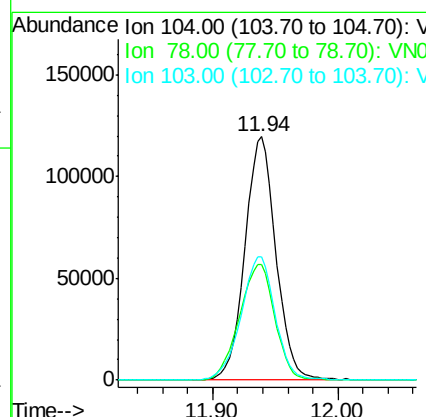
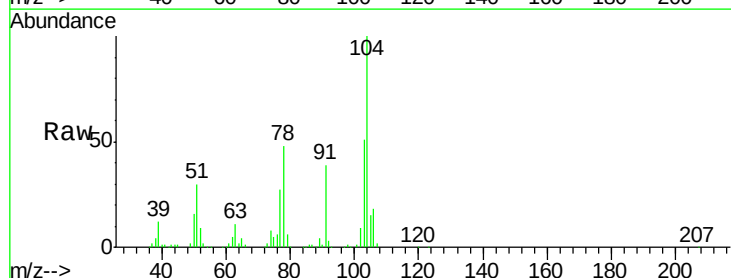
Manual Integrations
APPROVED

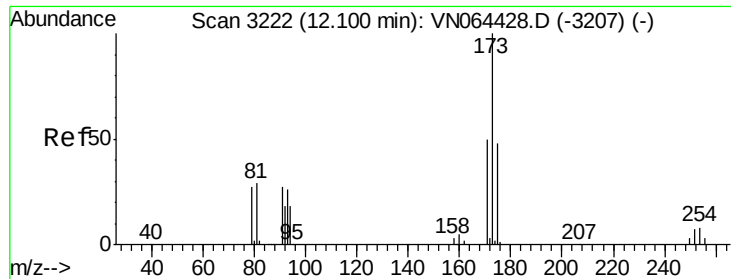
MMDadoda
11/12/2020 9:12:20 AM



#70
Styrene
Concen: 17.541 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064547.D
Acq: 11 Nov 2020 11:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		206129		
78	54.3	44.0	66.0		
103	55.7	43.8	65.6		





#71

Bromoform

Concen: 17.547 ug/l

RT: 12.10 min Scan# 3223

Delta R.T. 0.00 min

Lab File: VN064547.D

Acq: 11 Nov 2020 11:55

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBS01

Tot Ion:173 Resp: 52400

Ion Ratio Lower Upper

173 100

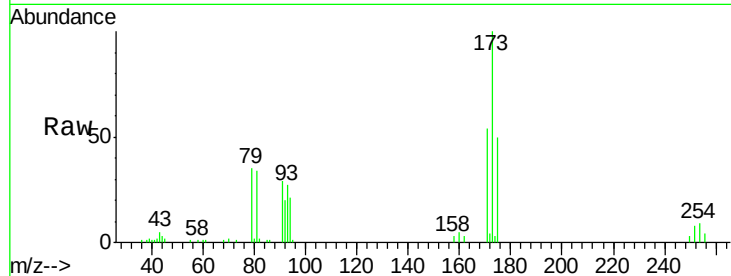
175 46.9 23.7 71.1

254 0.0 0.0 0.0

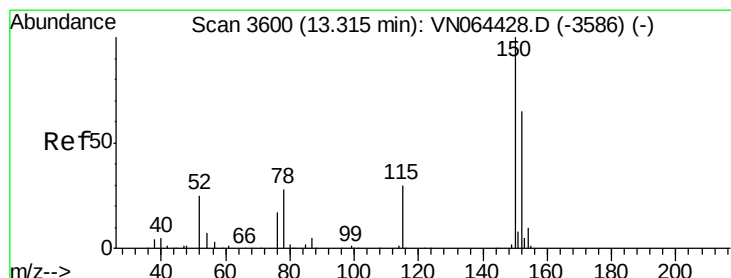
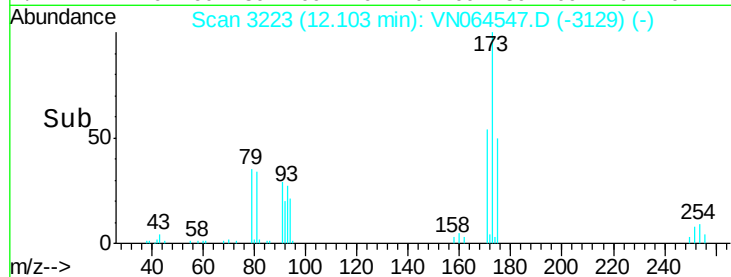
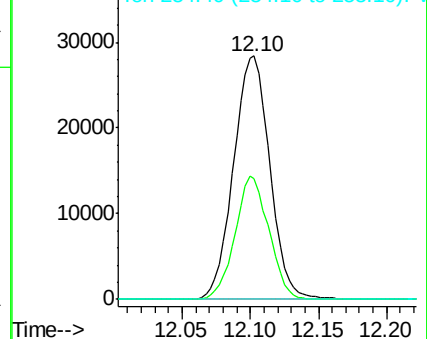
Manual Integrations
APPROVED

MMDadoda

11/12/2020 9:12:20 AM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064547.D

Acq: 11 Nov 2020 11:55

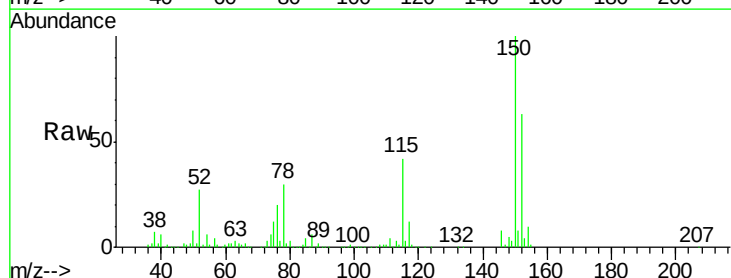
Tgt Ion:152 Resp: 226998

Ion Ratio Lower Upper

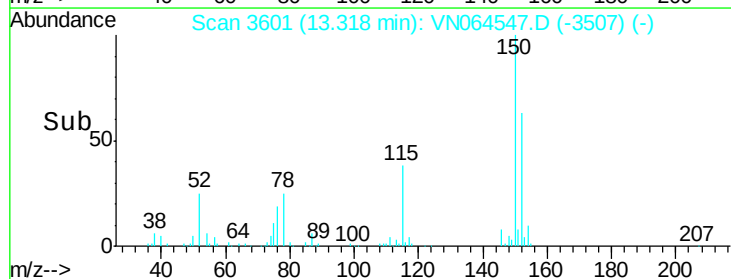
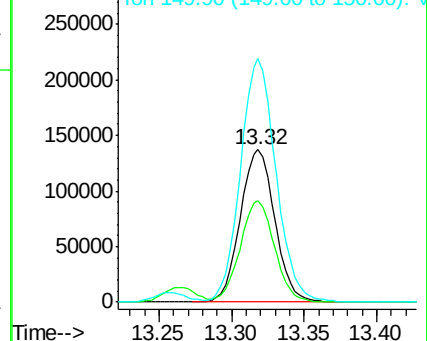
152 100

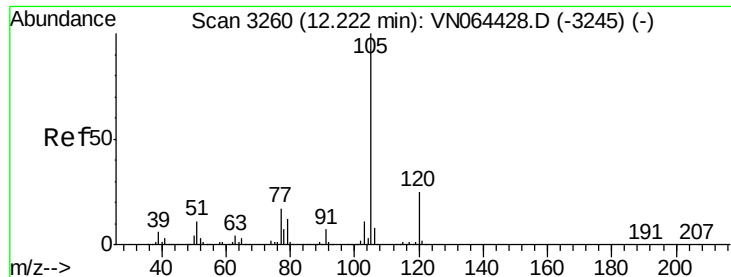
115 65.7 32.0 96.0

150 163.4 0.0 353.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 17.646 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN064547.D

Acq: 11 Nov 2020 11:55

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBS01

Tot Ion: 105 Resp: 318386

Ion Ratio Lower Upper

105 100

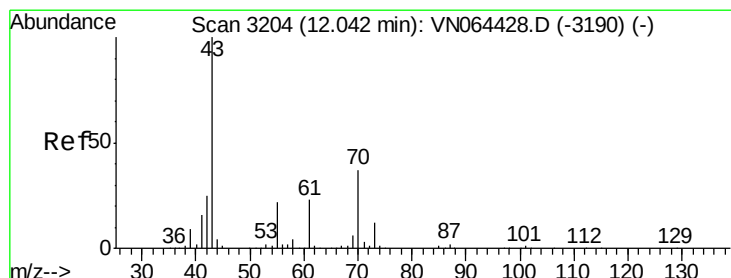
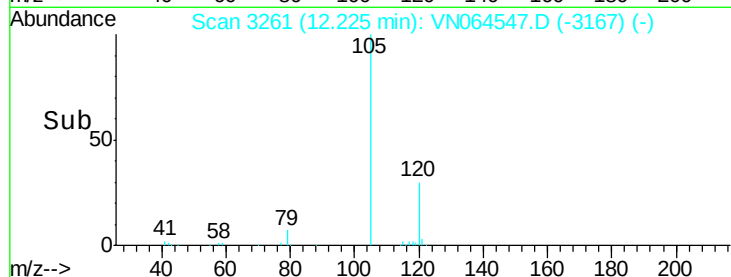
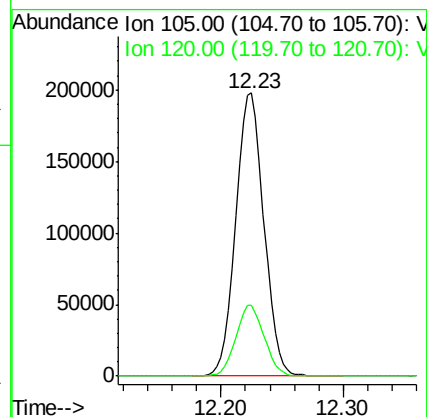
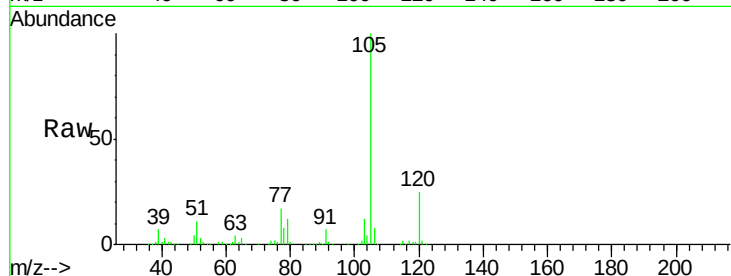
120 25.2 12.8 38.3

Manual Integrations

APPROVED

MMDadoda

11/12/2020 9:12:20 AM



#74

N-ethyl acetate

Concen: 16.061 ug/l

RT: 12.04 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064547.D

Acq: 11 Nov 2020 11:55

Tgt Ion: 43 Resp: 133147

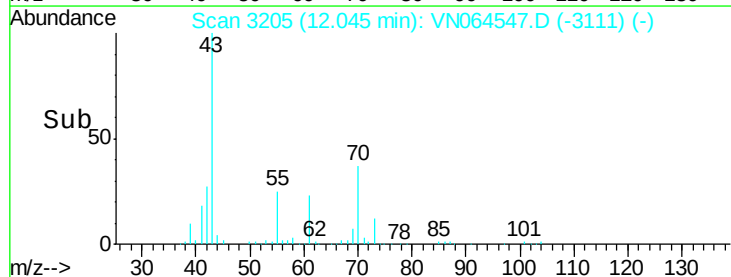
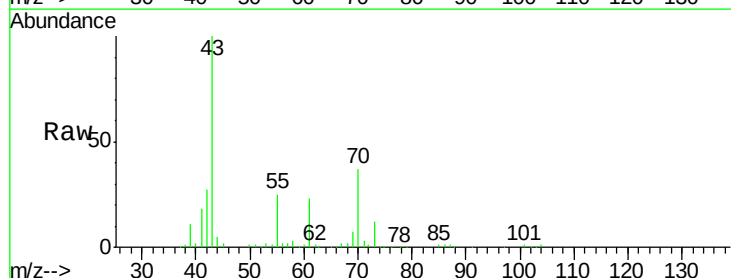
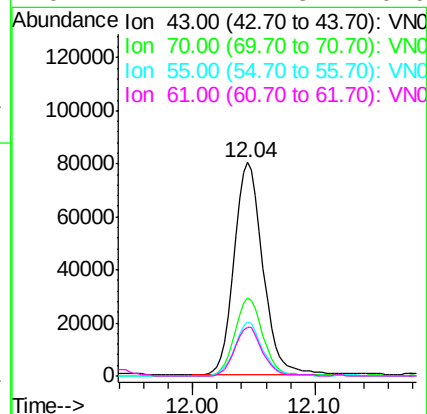
Ion Ratio Lower Upper

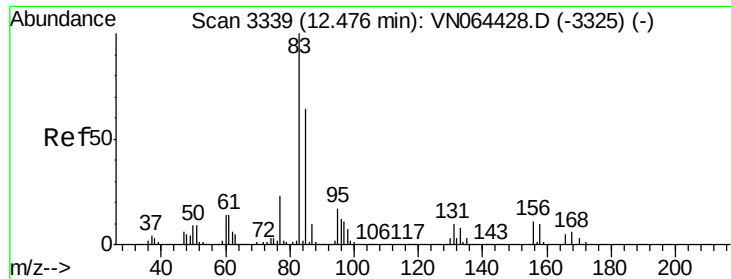
43 100

70 36.1 29.6 44.4

55 24.1 18.4 27.6

61 22.1 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.537 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064547.D

Acq: 11 Nov 2020 11:55

Instrument :

MSVOA_N

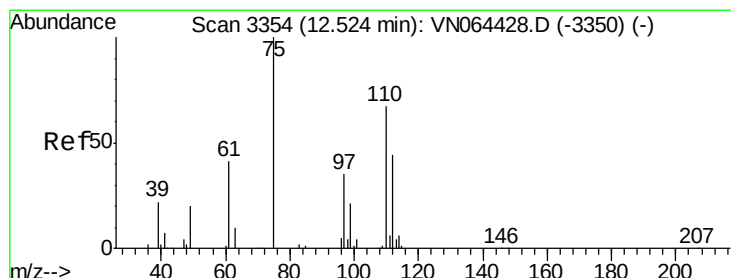
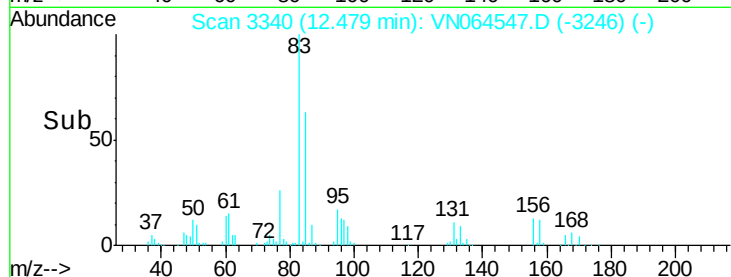
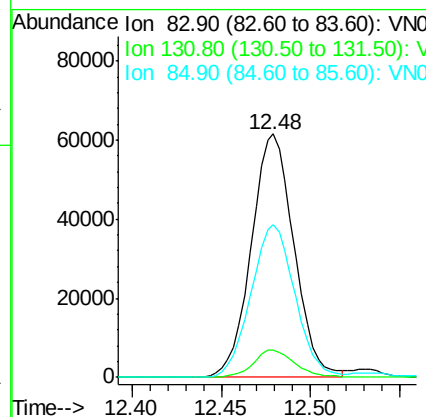
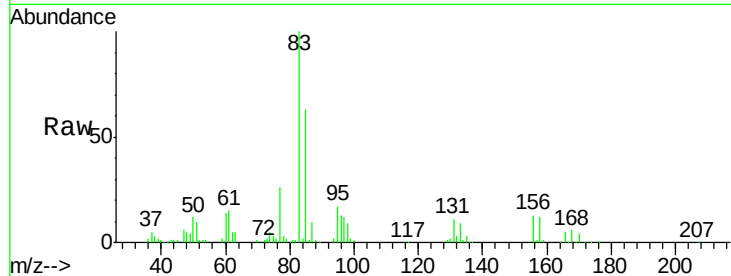
ClientSampleId :

VN1111WBS01

Tot Ion:	83	Resp:	102729
Ion Ratio	Lower	Upper	
83	100		
131	10.7	4.9	14.7
85	64.6	32.1	96.5

Manual Integrations
APPROVED

MMDadoda
11/12/2020 9:12:20 AM



#76

1,2,3-Trichloropropane

Concen: 17.766 ug/l m

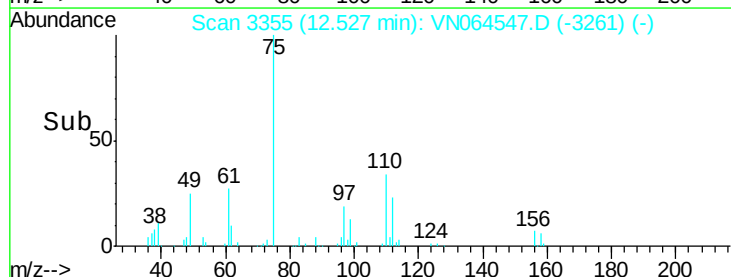
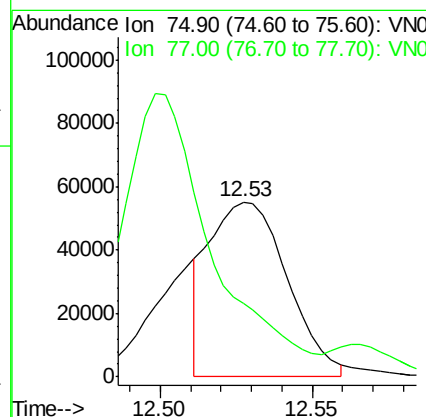
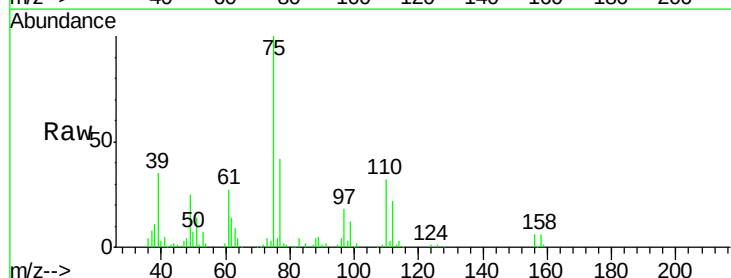
RT: 12.53 min Scan# 3355

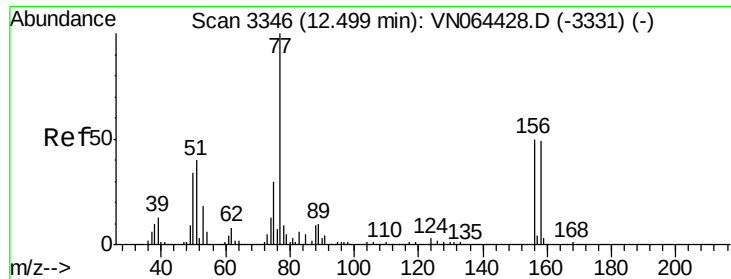
Delta R.T. 0.00 min

Lab File: VN064547.D

Acq: 11 Nov 2020 11:55

Tgt Ion:	75	Resp:	97714
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 17.486 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN064547.D

Acq: 11 Nov 2020 11:55

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBS01

Tot Ion:156 Resp: 77027

Ion Ratio Lower Upper

156 100

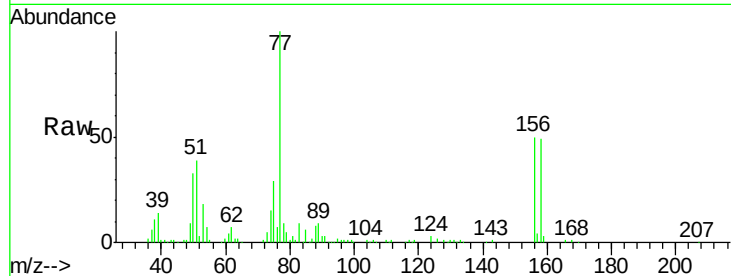
77 240.1 119.0 357.0

158 98.7 48.4 145.3

Manual Integrations
APPROVED

MMDadoda

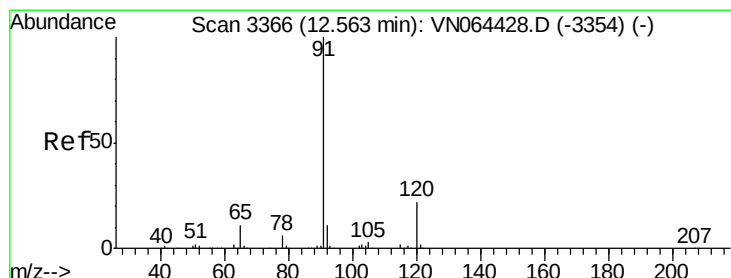
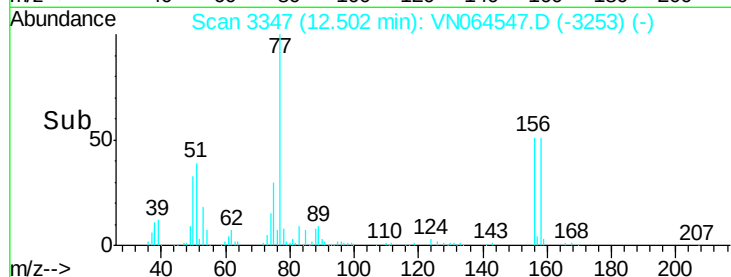
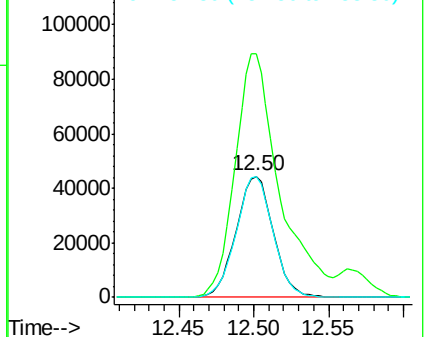
11/12/2020 9:12:20 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.016 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064547.D

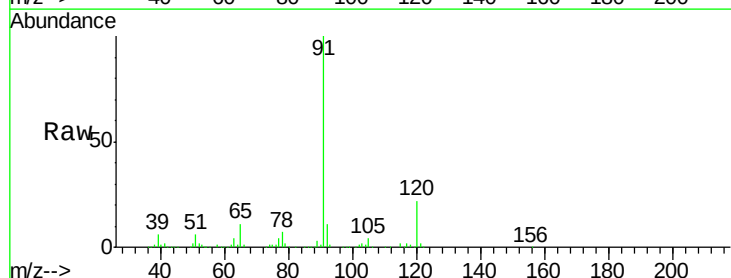
Acq: 11 Nov 2020 11:55

Tgt Ion: 91 Resp: 370585

Ion Ratio Lower Upper

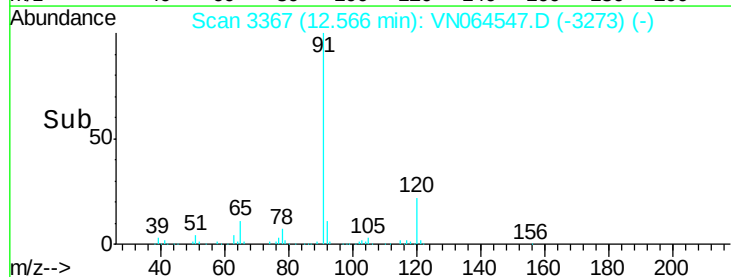
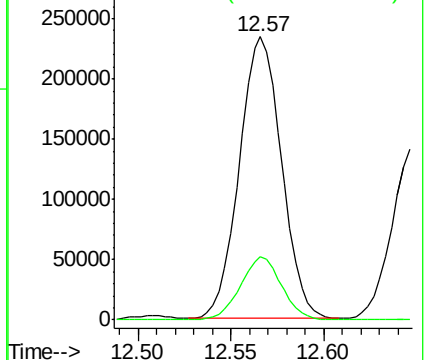
91 100

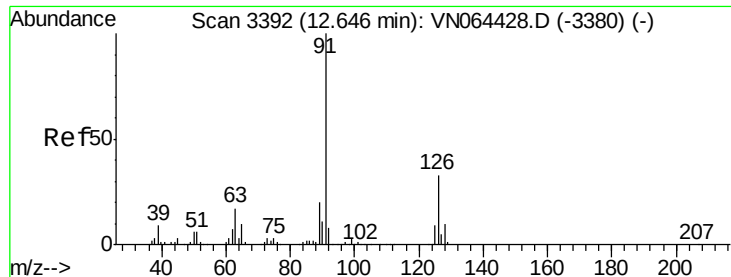
120 21.9 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





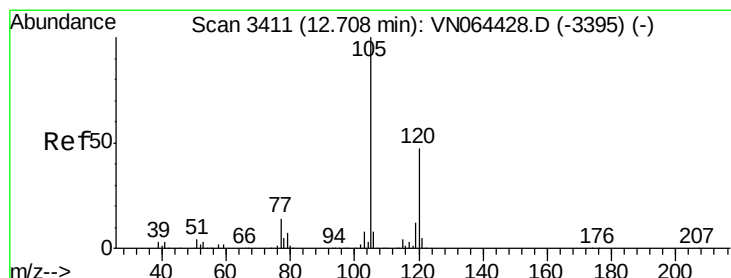
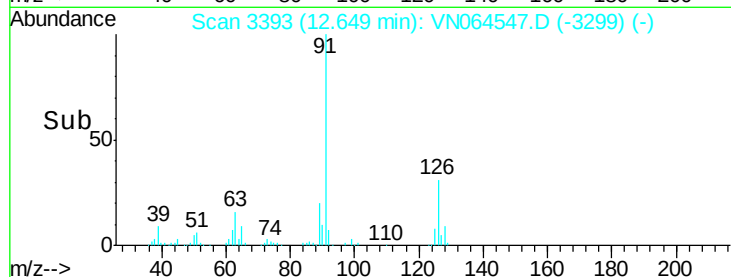
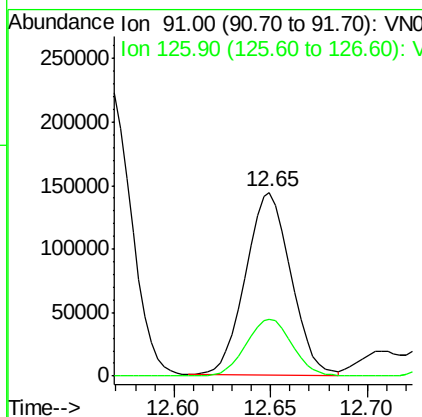
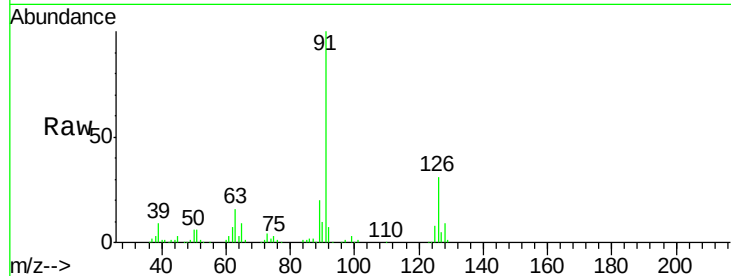
#79
2-Chlorotoluene
Concen: 17.971 ug/l
RT: 12.65 min Scan# 3393
Delta R.T. 0.00 min
Lab File: VN064547.D
Acq: 11 Nov 2020 11:55

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tot Ion: 91 Resp: 234449
Ion Ratio Lower Upper
91 100
126 31.9 16.4 49.1

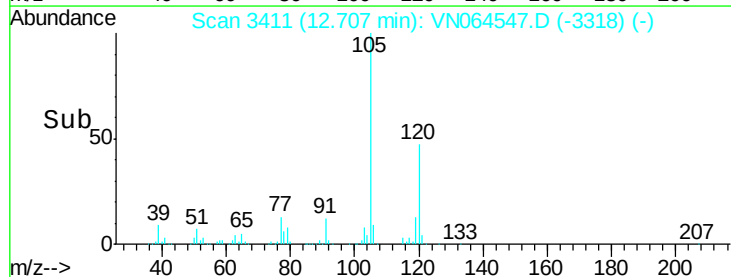
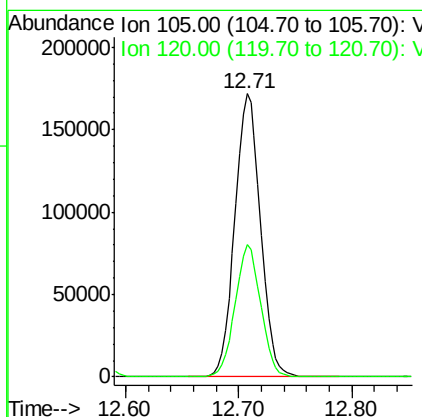
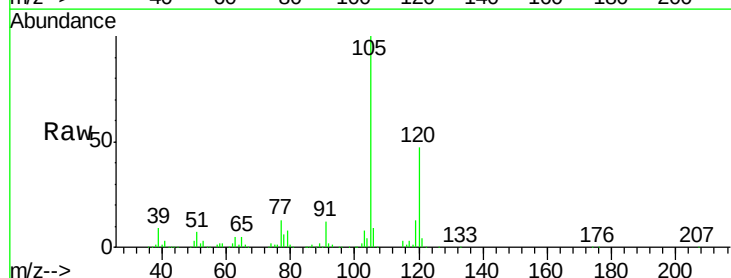
Manual Integrations
APPROVED

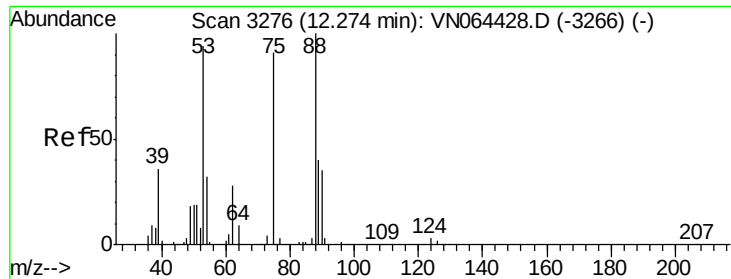
MMDadoda
11/12/2020 9:12:20 AM



#80
1,3,5-Trimethylbenzene
Concen: 18.261 ug/l
RT: 12.71 min Scan# 3411
Delta R.T. -0.00 min
Lab File: VN064547.D
Acq: 11 Nov 2020 11:55

Tgt Ion: 105 Resp: 271809
Ion Ratio Lower Upper
105 100
120 46.6 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.089 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN064547.D

Acq: 11 Nov 2020 11:55

Instrument :

MSVOA_N

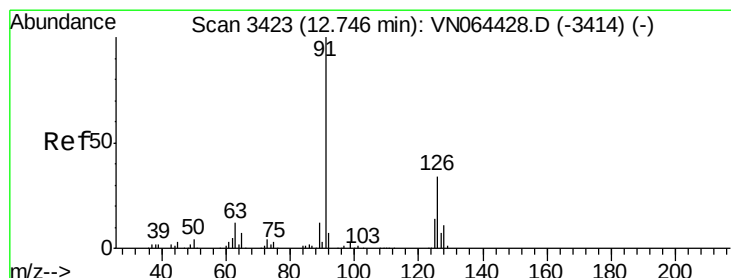
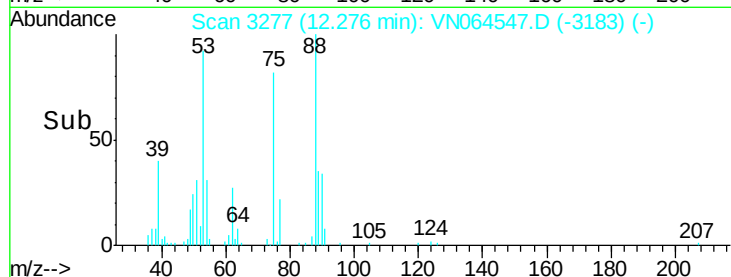
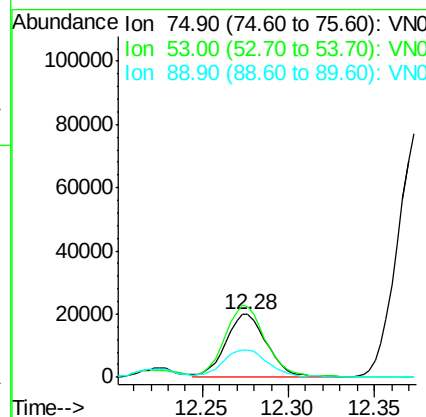
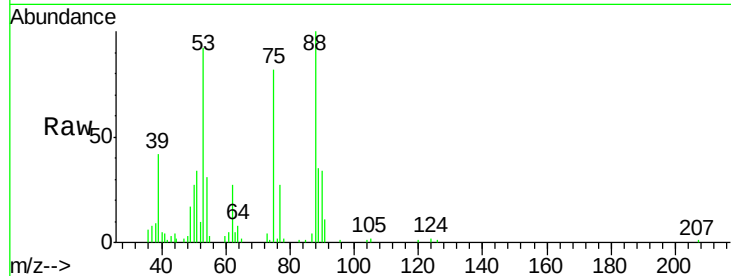
ClientSampleId :

VN1111WBS01

Tot Ion:	75	Resp:	33662
Ion	Ratio	Lower	Upper
75	100		
53	110.5	84.0	126.0
89	44.6	36.3	54.5

Manual Integrations
APPROVED

MMDadoda
11/12/2020 9:12:20 AM



#82

4-Chlorotoluene

Concen: 17.918 ug/l

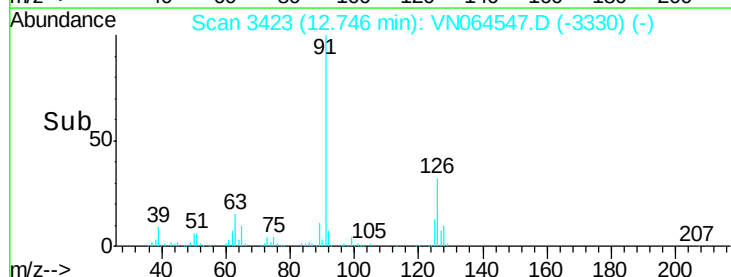
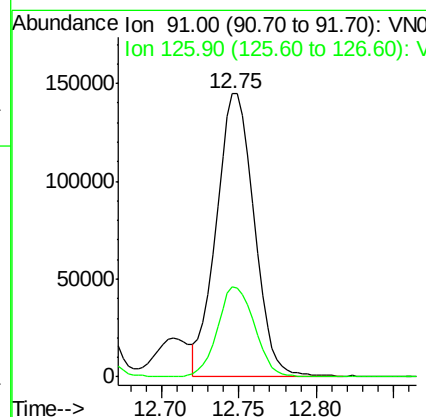
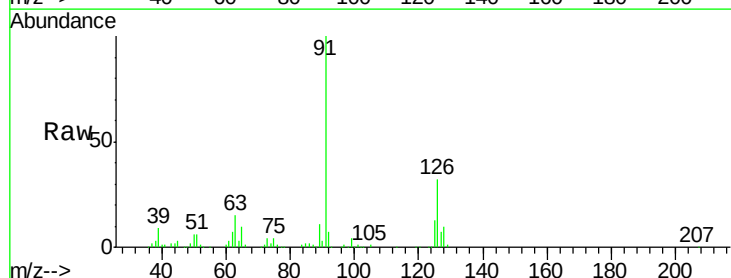
RT: 12.75 min Scan# 3423

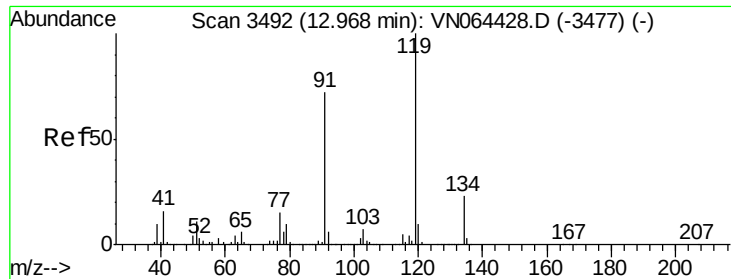
Delta R.T. -0.00 min

Lab File: VN064547.D

Acq: 11 Nov 2020 11:55

Tgt Ion:	91	Resp:	244816
Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.4	46.2





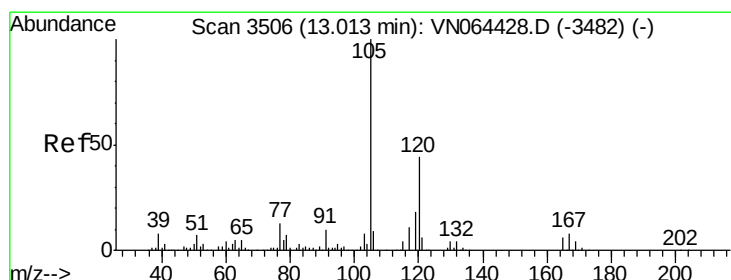
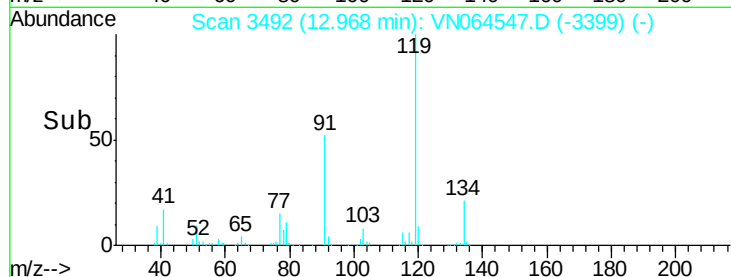
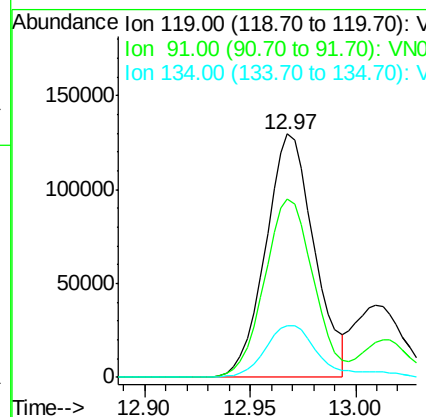
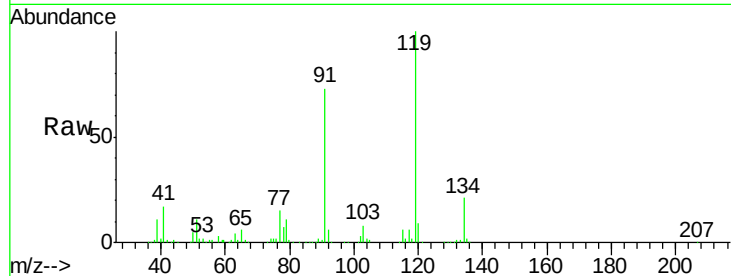
#83
 tert-Butylbenzene
 Concen: 17.848 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN064547.D
 Acq: 11 Nov 2020 11:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	73.8	36.1	108.3
134	24.3	11.7	35.1

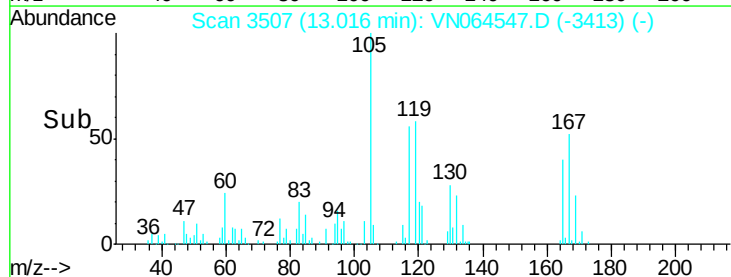
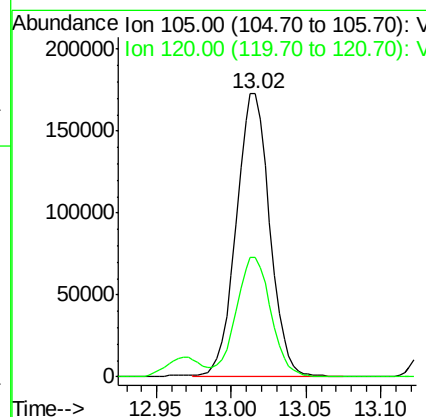
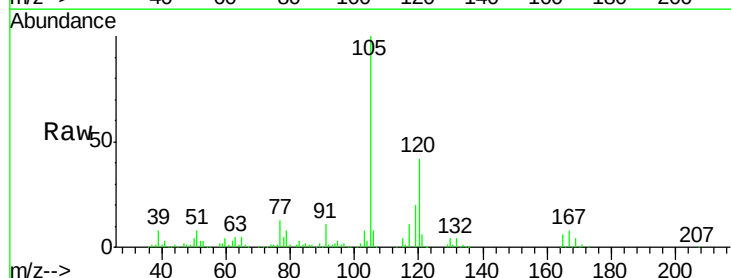
Manual Integrations
 APPROVED

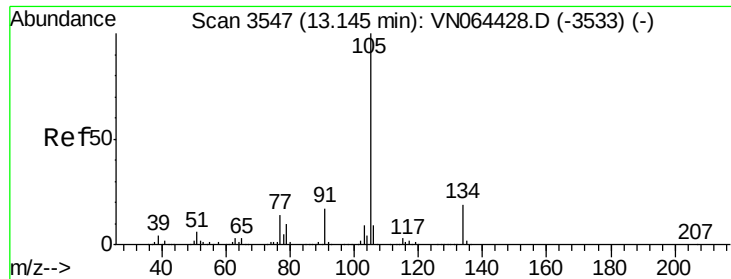
MMDadoda
 11/12/2020 9:12:20 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 17.935 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN064547.D
 Acq: 11 Nov 2020 11:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	21.9	65.7





#85

sec-Butylbenzene

Concen: 18.499 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN064547.D

Acq: 11 Nov 2020 11:55

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBS01

Tot Ion:105 Resp: 272356

Ion Ratio Lower Upper

105 100

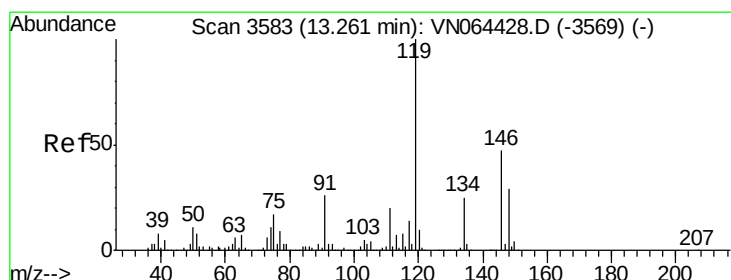
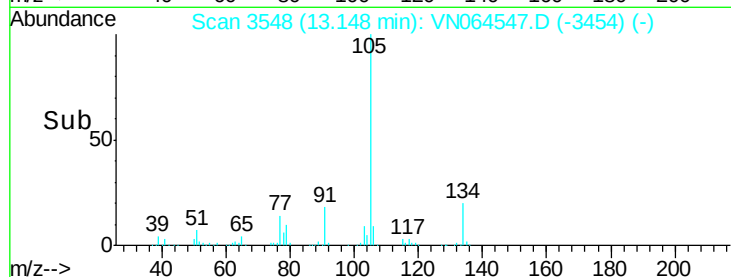
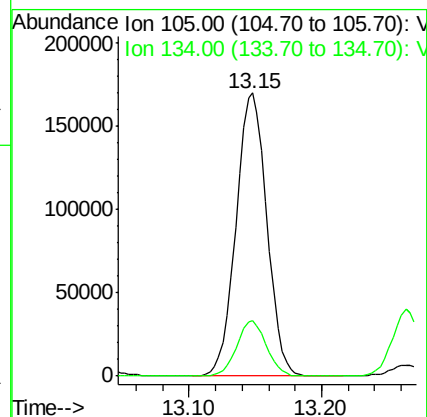
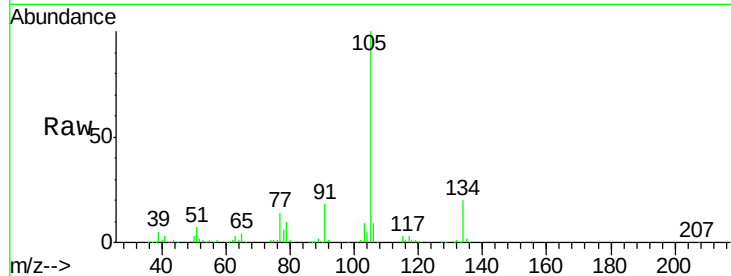
134 18.9 9.4 28.2

Manual Integrations

APPROVED

MMDadoda

11/12/2020 9:12:20 AM



#86

p-Isopropyltoluene

Concen: 18.536 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064547.D

Acq: 11 Nov 2020 11:55

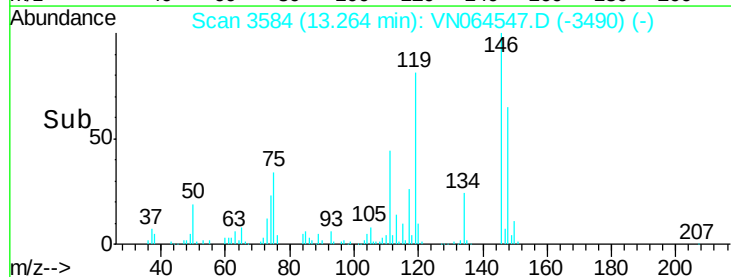
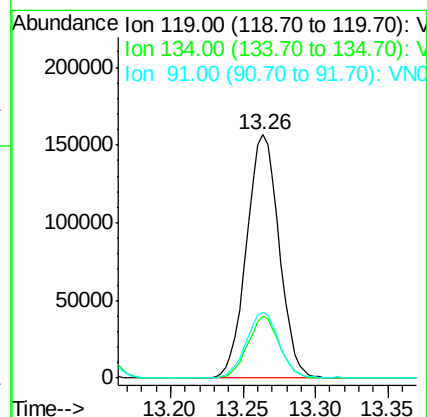
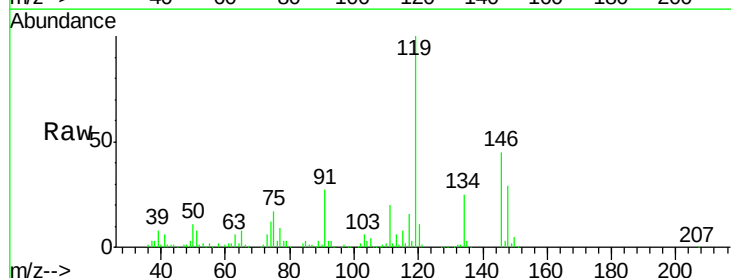
Tgt Ion:119 Resp: 245469

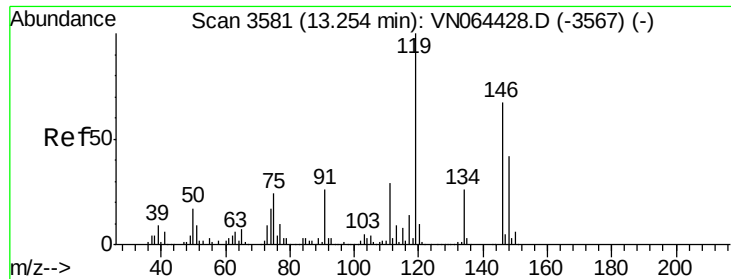
Ion Ratio Lower Upper

119 100

134 24.8 12.6 37.6

91 26.9 12.8 38.3





#87

1,3-Dichlorobenzene

Concen: 17.977 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN064547.D

Acq: 11 Nov 2020 11:55

Instrument :

MSVOA_N

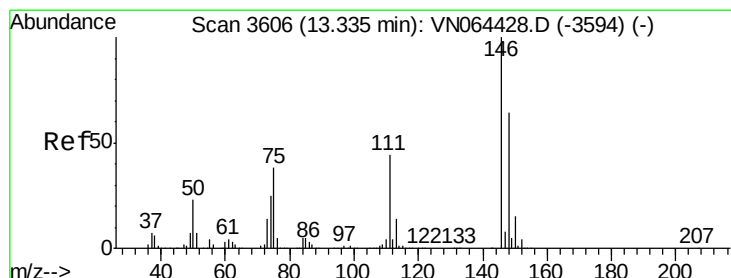
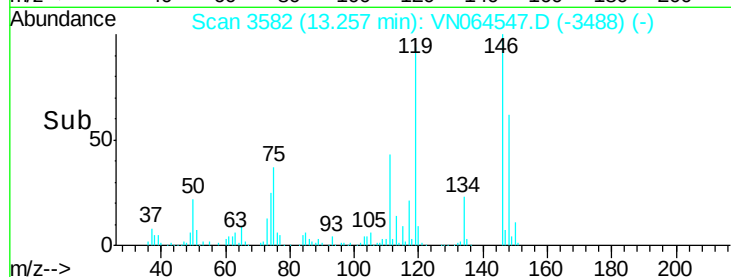
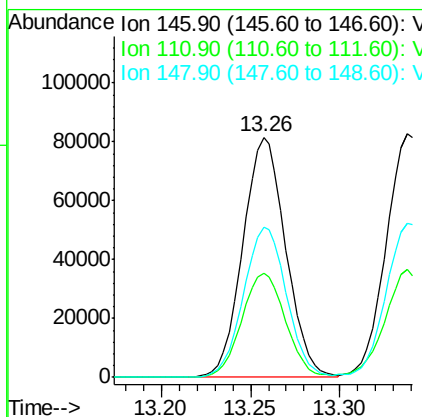
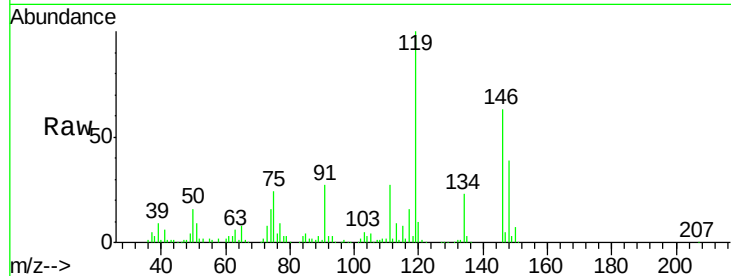
ClientSampleId :

VN1111WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.1	66.1
148	63.0	31.7	95.1

Manual Integrations
APPROVED

MMDadoda
11/12/2020 9:12:20 AM



#88

1,4-Dichlorobenzene

Concen: 17.775 ug/l

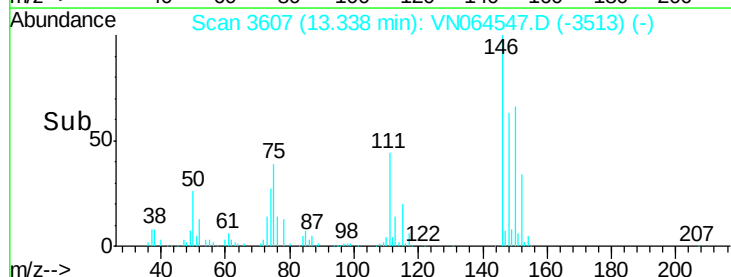
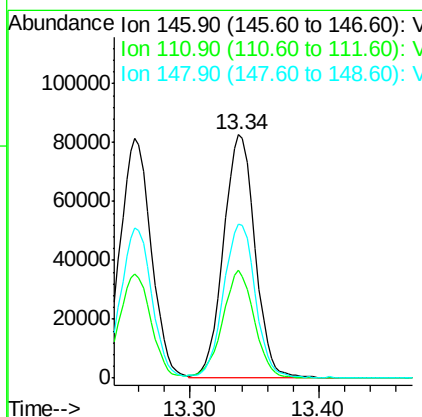
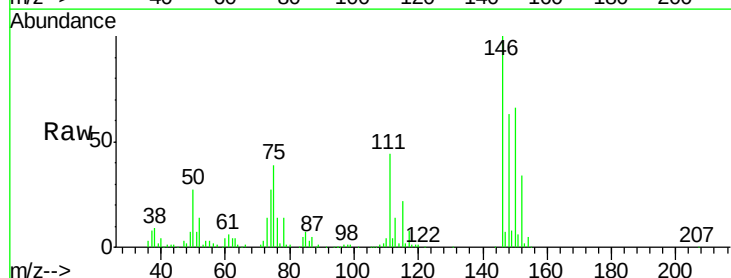
RT: 13.34 min Scan# 3607

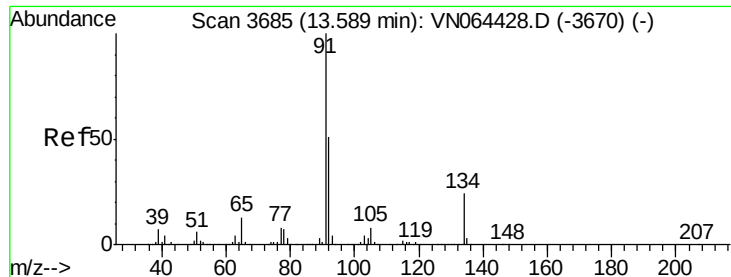
Delta R.T. 0.00 min

Lab File: VN064547.D

Acq: 11 Nov 2020 11:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.8	65.3
148	63.9	32.4	97.2





#89

n-Butylbenzene

Concen: 17.660 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN064547.D

Acq: 11 Nov 2020 11:55

Instrument :

MSVOA_N

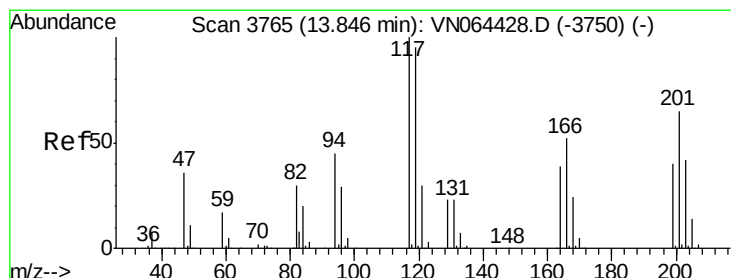
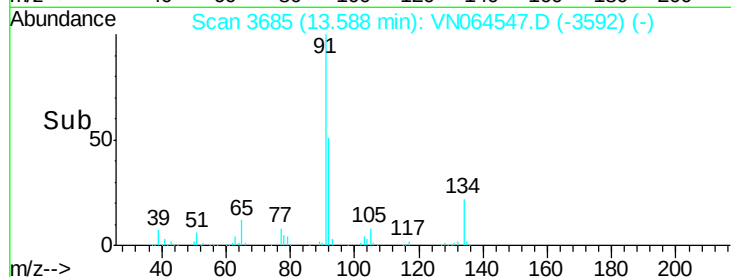
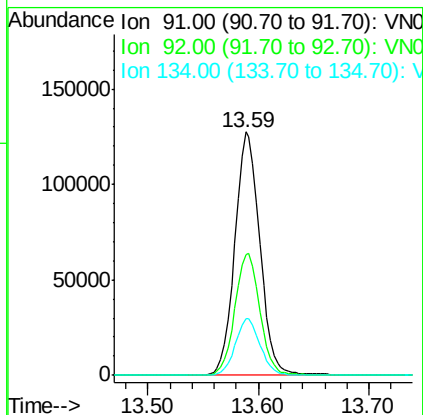
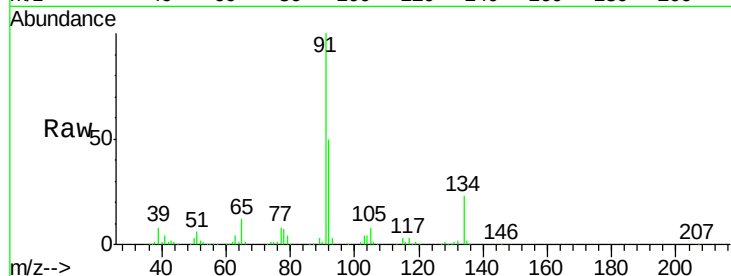
ClientSampleId :

VN1111WBS01

Tot Ion:	91	Resp:	201075
Ion Ratio	Lower	Upper	
91	100		
92	50.3	25.3	75.9
134	23.0	11.8	35.4

Manual Integrations
APPROVED

MMDadoda
11/12/2020 9:12:20 AM



#90

Hexachloroethane

Concen: 19.336 ug/l

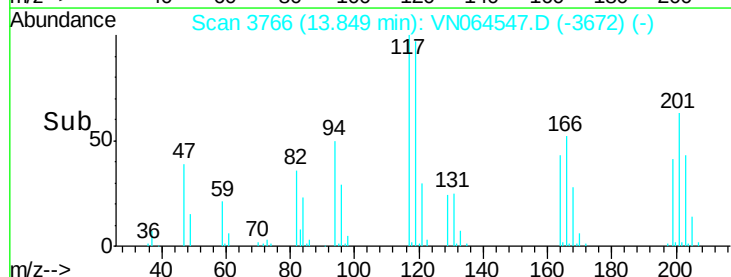
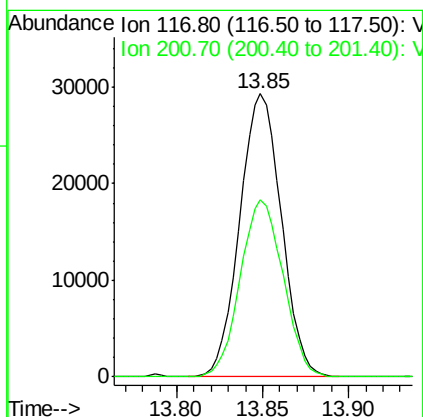
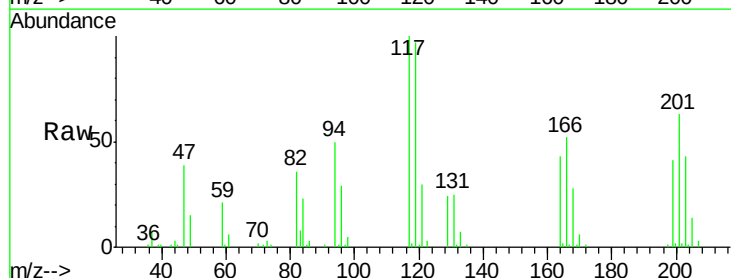
RT: 13.85 min Scan# 3766

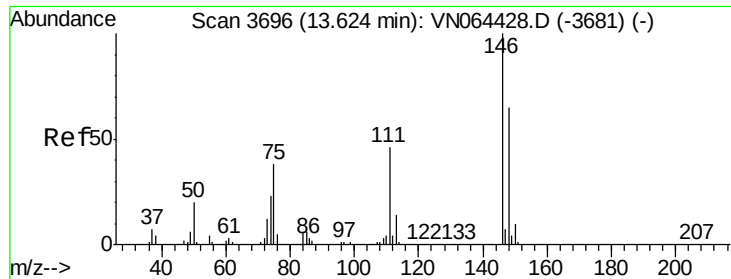
Delta R.T. 0.00 min

Lab File: VN064547.D

Acq: 11 Nov 2020 11:55

Tgt Ion:	117	Resp:	49395
Ion Ratio	Lower	Upper	
117	100		
201	64.2	32.5	97.5





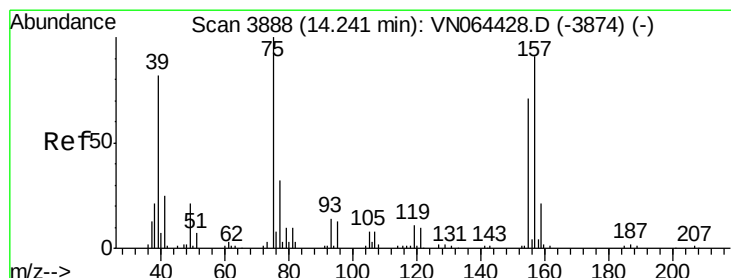
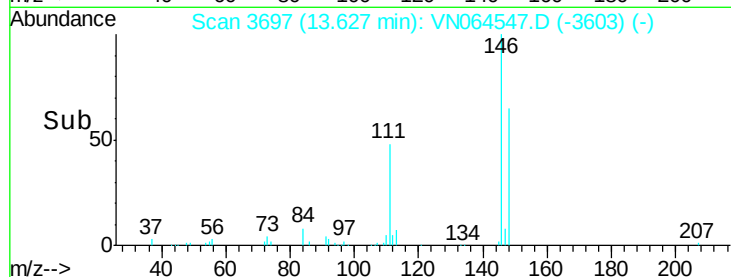
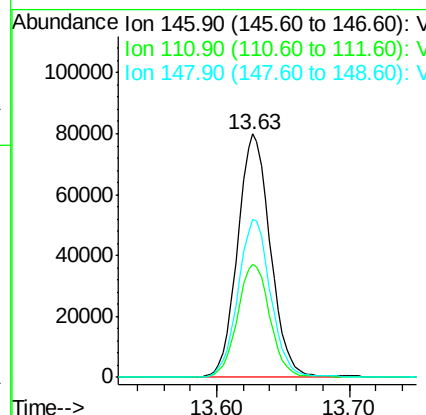
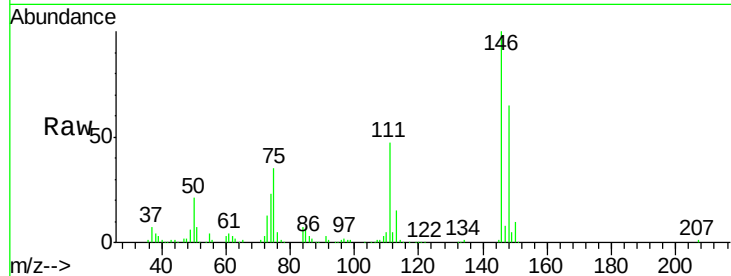
#91
 1,2-Dichlorobenzene
 Concen: 18.719 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064547.D
 Acq: 11 Nov 2020 11:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.2	22.9	68.7
148	64.9	32.0	96.2

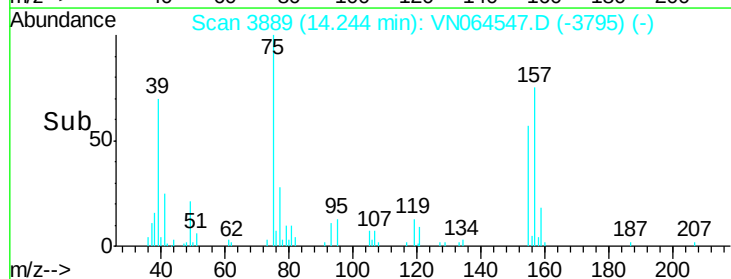
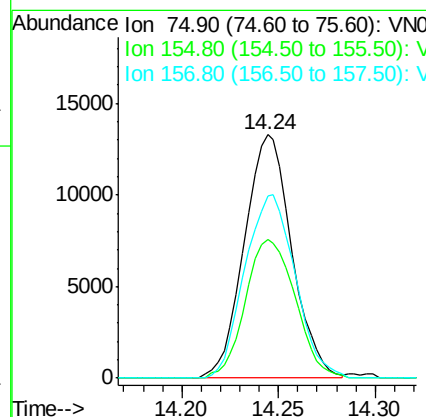
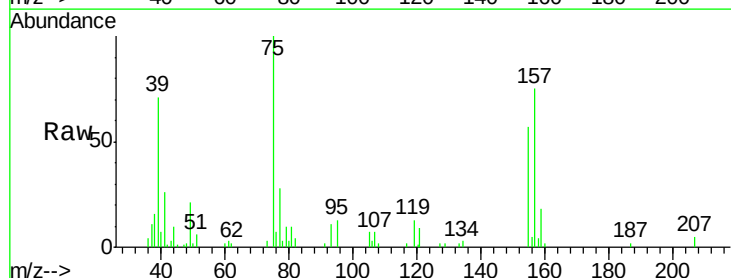
Manual Integrations
 APPROVED

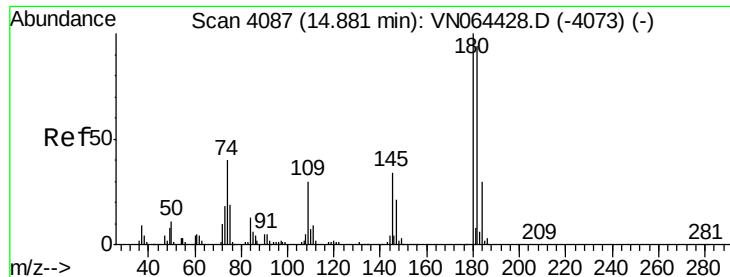
MMDadoda
 11/12/2020 9:12:20 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.507 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064547.D
 Acq: 11 Nov 2020 11:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	59.9	34.6	103.9
157	80.0	43.0	128.8





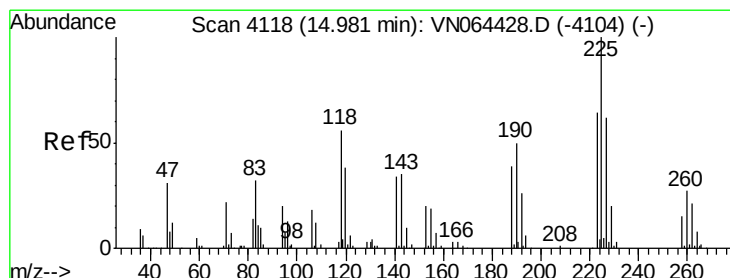
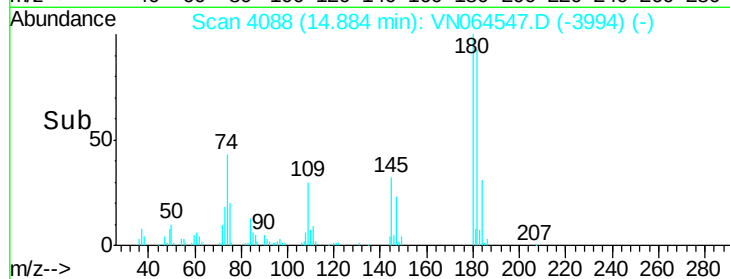
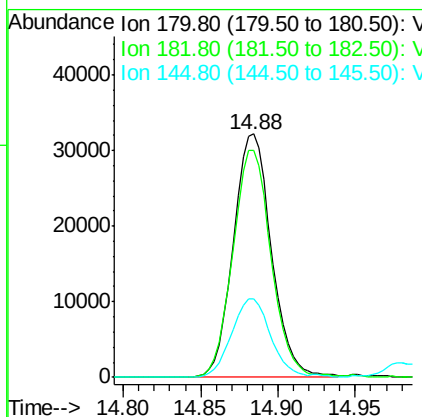
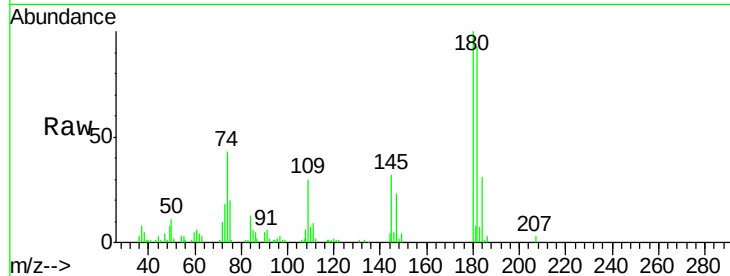
#93
 1,2,4-Trichlorobenzene
 Concen: 16.982 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN064547.D
 Acq: 11 Nov 2020 11:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.3	142.0
145	33.3	16.7	50.1

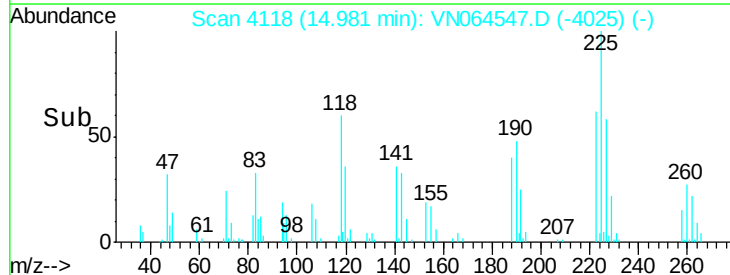
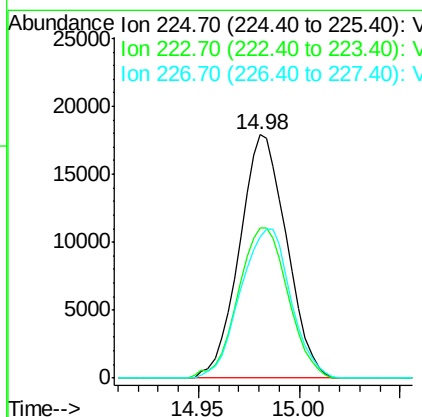
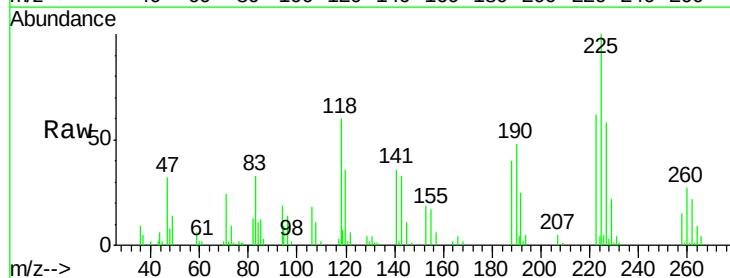
Manual Integrations
 APPROVED

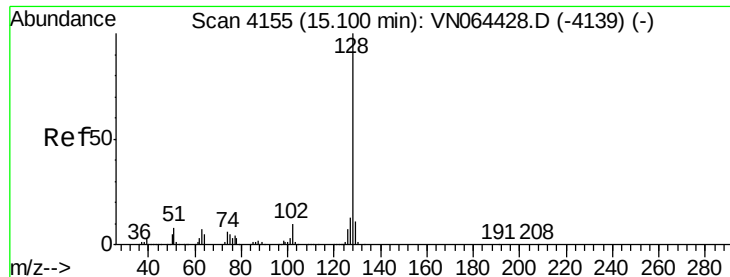
MMDadoda
 11/12/2020 9:12:20 AM



#94
 Hexachlorobutadiene
 Concen: 19.668 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064547.D
 Acq: 11 Nov 2020 11:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.4	31.8	95.4
227	65.4	31.8	95.4





#95

Naphthalene

Concen: 15.818 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064547.D

Acq: 11 Nov 2020 11:55

Instrument :

MSVOA_N

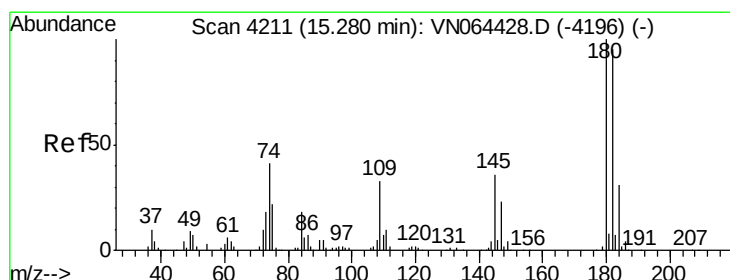
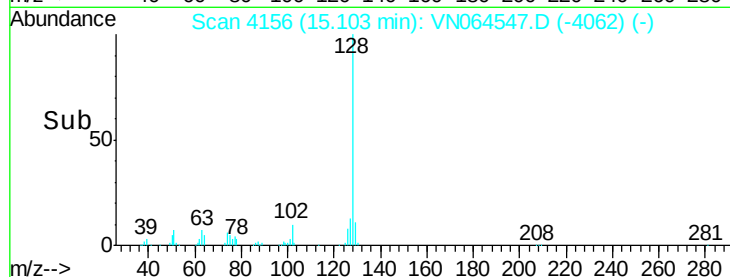
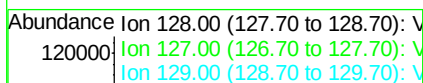
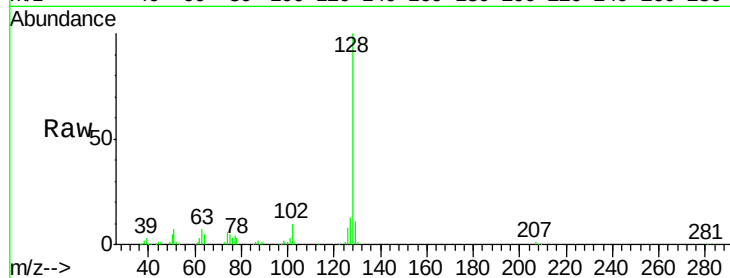
ClientSampleId :

VN1111WBS01

Tot Ion:	128	Resp:	163696
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.5	15.7
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
11/12/2020 9:12:20 AM



#96

1,2,3-Trichlorobenzene

Concen: 17.829 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064547.D

Acq: 11 Nov 2020 11:55

Tgt Ion:	180	Resp:	56165
Ion Ratio	Lower	Upper	
180	100		
182	90.0	47.7	143.1
145	36.7	18.3	54.8

