

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110420\
 Data File : VN064450.D
 Acq On : 4 Nov 2020 20:51
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/5/2020 2:19:37 PM

Quant Time: Nov 05 02:36:59 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	7.63	168	311511	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	558511	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	526507	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	237442	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	267329	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
35) Dibromofluoromethane	7.55	113	186380	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
50) Toluene-d8	10.06	98	700785	47.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.36%	
62) 4-Bromofluorobenzene	12.38	95	264334	47.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	196499	48.458	ug/l	97
3) Chloromethane	2.04	50	236753	48.067	ug/l	99
4) Vinyl Chloride	2.17	62	250650	49.555	ug/l	99
5) Bromomethane	2.53	94	157969	48.888	ug/l	96
6) Chloroethane	2.67	64	163066	50.355	ug/l	99
7) Trichlorofluoromethane	2.99	101	366237	49.173	ug/l	99
8) Diethyl Ether	3.38	74	131552	50.017	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	165933	46.916	ug/l	99
10) Methyl Iodide	3.91	142	209619	51.007	ug/l	99
11) Tert butyl alcohol	4.75	59	169675	283.557	ug/l	99
12) 1,1-Dichloroethene	3.69	96	163071	48.948	ug/l	95
13) Acrolein	3.57	56	109951	296.230	ug/l	96
14) Allyl chloride	4.27	41	317365	48.697	ug/l	99
15) Acrylonitrile	4.94	53	470931	282.679	ug/l	98
16) Acetone	3.78	43	433133	209.559	ug/l	98
17) Carbon Disulfide	4.01	76	479794	48.158	ug/l	99
18) Methyl Acetate	4.28	43	210709	51.855	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	611313	50.983	ug/l	98
20) Methylene Chloride	4.50	84	199062	48.542	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	187872	49.666	ug/l	98
22) Diisopropyl ether	5.91	45	703107	50.824	ug/l	97
23) Vinyl Acetate	5.85	43	3040626	270.179	ug/l	99
24) 1,1-Dichloroethane	5.80	63	382171	50.272	ug/l	99
25) 2-Butanone	6.79	43	690173	262.075	ug/l	99
26) 2,2-Dichloropropane	6.78	77	294185	42.749	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	216908	49.486	ug/l	97
28) Bromochloromethane	7.15	49	178462	47.760	ug/l	99
29) Tetrahydrofuran	7.17	42	455887	282.159	ug/l	99
30) Chloroform	7.33	83	401376	50.229	ug/l	98
31) Cyclohexane	7.61	56	301848	45.763	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	346385	48.873	ug/l	99
36) 1,1-Dichloropropene	7.75	75	284006	48.134	ug/l	98
37) Ethyl Acetate	6.89	43	304070	50.765	ug/l	100
38) Carbon Tetrachloride	7.73	117	306934	48.674	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110420\
 Data File : VN064450.D
 Acq On : 4 Nov 2020 20:51
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/5/2020 2:19:37 PM

Quant Time: Nov 05 02:36:59 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	252499	47.739	ug/l	99
40) Benzene	8.00	78	844866	48.729	ug/l	99
41) Methacrylonitrile	7.14	41	136247m	52.085	ug/l	
42) 1,2-Dichloroethane	8.09	62	354762	50.703	ug/l	100
43) Isopropyl Acetate	8.13	43	507506	53.076	ug/l	100
44) Trichloroethene	8.80	130	208924	47.761	ug/l	99
45) 1,2-Dichloropropane	9.09	63	228700	49.436	ug/l	99
46) Dibromomethane	9.18	93	151114	49.621	ug/l	99
47) Bromodichloromethane	9.37	83	329846	50.372	ug/l	99
48) Methyl methacrylate	9.17	41	255454	52.944	ug/l	100
49) 1,4-Dioxane	9.17	88	72203	1136.133	ug/l	100
51) 4-Methyl-2-Pentanone	9.96	43	1573428	282.167	ug/l	100
52) Toluene	10.13	92	534746	50.568	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	348307	50.173	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	369574	49.792	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	208006	50.437	ug/l	99
56) Ethyl methacrylate	10.40	69	321749	47.513	ug/l	99
57) 1,3-Dichloropropane	10.68	76	364386	50.620	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	839840	260.913	ug/l	99
59) 2-Hexanone	10.72	43	1148231	252.480	ug/l	100
60) Dibromochloromethane	10.87	129	240472	52.080	ug/l	98
61) 1,2-Dibromoethane	10.98	107	221048	52.843	ug/l	99
64) Tetrachloroethene	10.60	164	185775	45.806	ug/l	96
65) Chlorobenzene	11.41	112	559683	48.490	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	214782	49.880	ug/l	98
67) Ethyl Benzene	11.49	91	1033483	50.339	ug/l	100
68) m/p-Xylenes	11.59	106	751360	100.913	ug/l	97
69) o-Xylene	11.92	106	361067	50.184	ug/l	99
70) Styrene	11.94	104	629355	51.983	ug/l	100
71) Bromoform	12.10	173	157905	48.868	ug/l #	100
73) Isopropylbenzene	12.22	105	938928	49.751	ug/l	99
74) N-amyl acetate	12.05	43	456727	49.900	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	301263	51.971	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	290645m	50.520	ug/l	
77) Bromobenzene	12.50	156	224771	48.782	ug/l	97
78) n-propylbenzene	12.57	91	1085538	50.452	ug/l	100
79) 2-Chlorotoluene	12.65	91	689844	50.551	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	795460	51.091	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	104701	50.815	ug/l	100
82) 4-Chlorotoluene	12.75	91	718420	50.269	ug/l	100
83) tert-Butylbenzene	12.97	119	621042	51.073	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	811147	51.825	ug/l	97
85) sec-Butylbenzene	13.15	105	788069	51.173	ug/l	100
86) p-Isopropyltoluene	13.26	119	709721	51.235	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	386384	48.511	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	390894	47.490	ug/l	99
89) n-Butylbenzene	13.59	91	581313	48.809	ug/l	100
90) Hexachloroethane	13.85	117	133111	49.814	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	390198	50.930	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	67163	58.194	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110420\
Data File : VN064450.D
Acq On : 4 Nov 2020 20:51
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
11/5/2020 2:19:37 PM

Quant Time: Nov 05 02:36:59 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	161887	42.889	ug/l	99
94) Hexachlorobutadiene	14.98	225	75399	48.336	ug/l	98
95) Naphthalene	15.10	128	550256	42.814	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	162960	44.531	ug/l	99

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

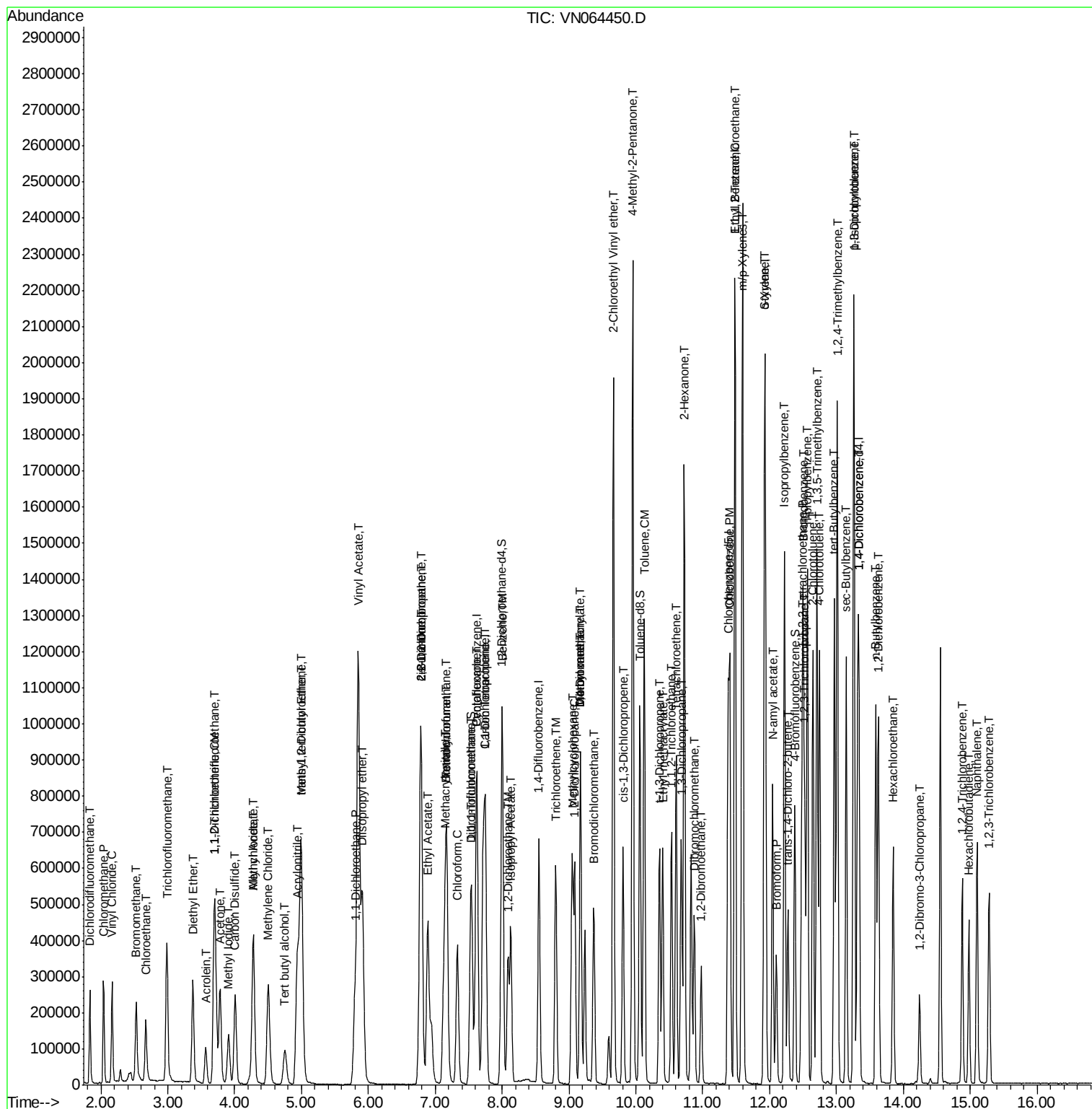
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN110420\
Data File : VN064450.D
Acq On : 4 Nov 2020 20:51
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 27 Sample Multiplier: 1

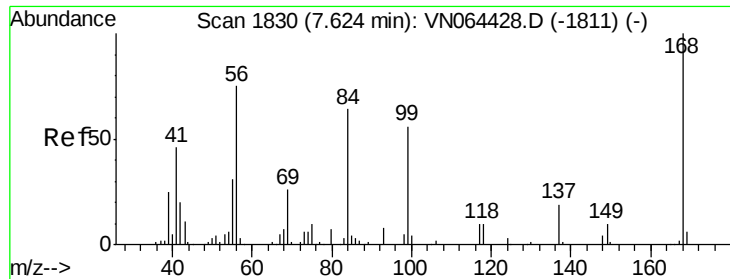
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
11/5/2020 2:19:37 PM

Quant Time: Nov 05 02:36:59 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 12:09:03 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064450.D

Acq: 4 Nov 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 311511

Ion Ratio Lower Upper

168 100

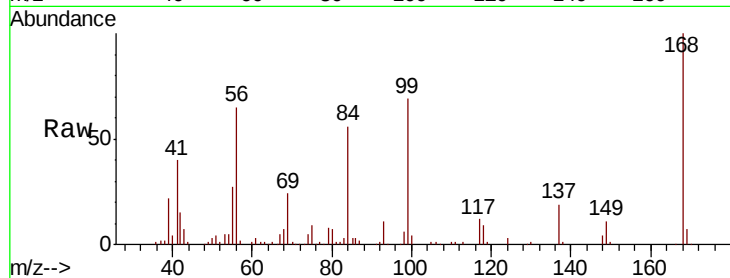
99 68.3 53.4 80.2

Manual Integrations

APPROVED

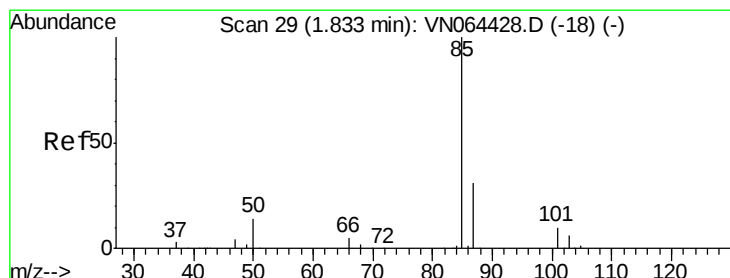
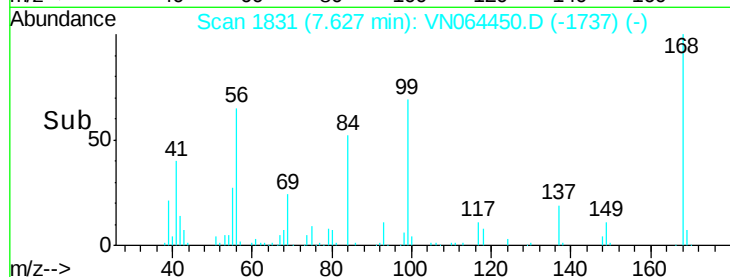
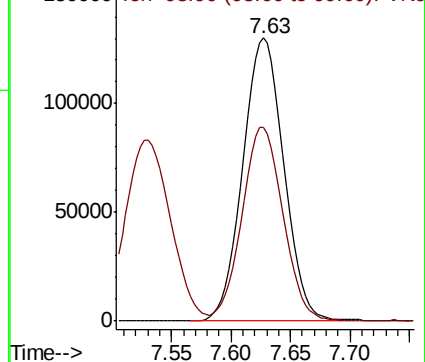
MMDadoda

11/5/2020 2:19:37 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 48.458 ug/l

RT: 1.84 min Scan# 30

Delta R.T. 0.00 min

Lab File: VN064450.D

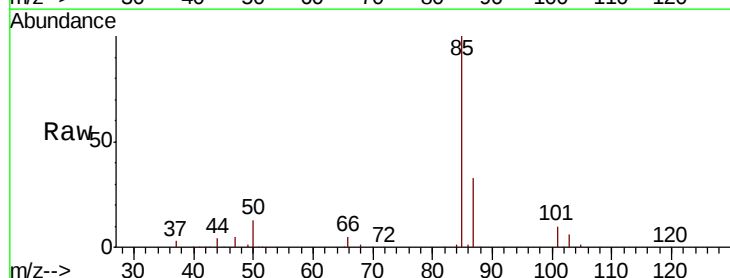
Acq: 4 Nov 2020 20:51

Tgt Ion: 85 Resp: 196499

Ion Ratio Lower Upper

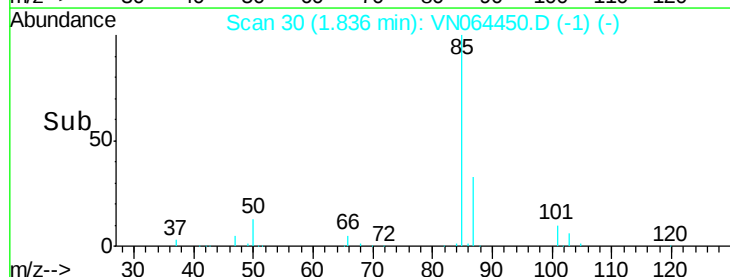
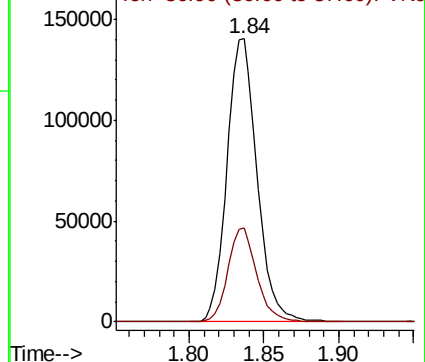
85 100

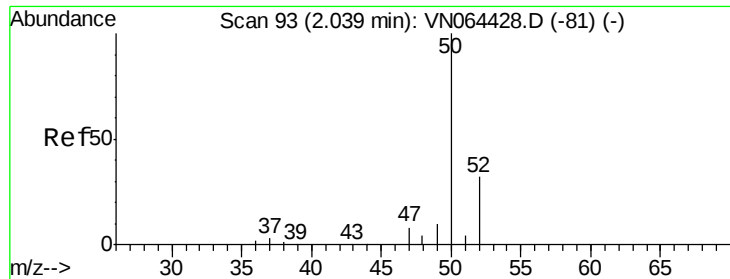
87 33.1 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 48.067 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064450.D

Acq: 4 Nov 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 236753

Ion Ratio Lower Upper

50 100

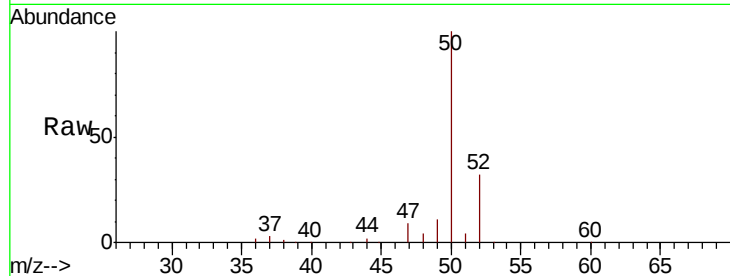
52 32.2 25.3 37.9

Manual Integrations

APPROVED

MMDadoda

11/5/2020 2:19:37 PM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

200000

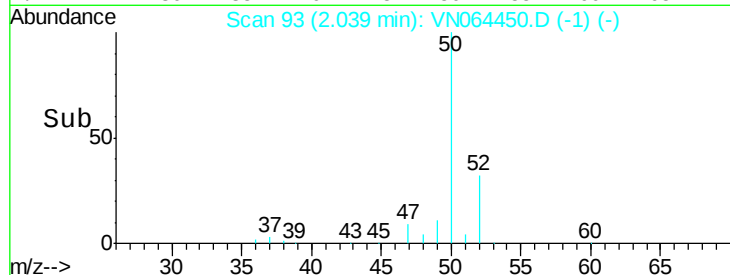
150000

100000

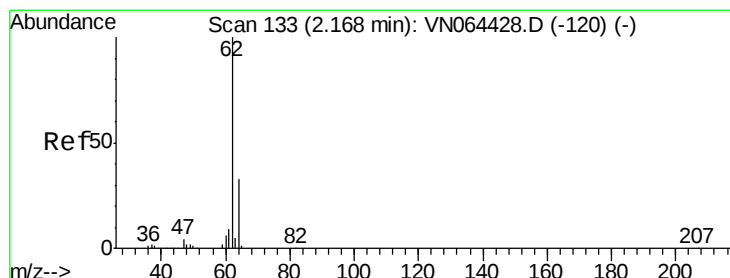
50000

0

Time-->



Time-->



#4

Vinyl Chloride

Concen: 49.555 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN064450.D

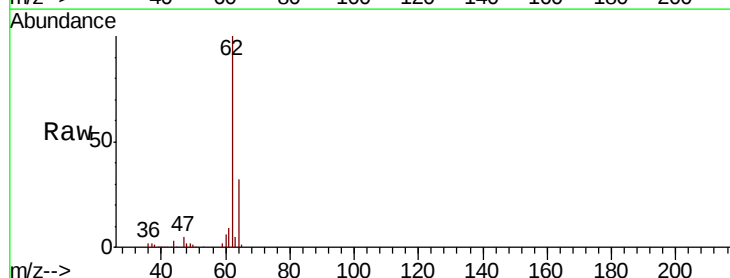
Acq: 4 Nov 2020 20:51

Tgt Ion: 62 Resp: 250650

Ion Ratio Lower Upper

62 100

64 32.1 26.3 39.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

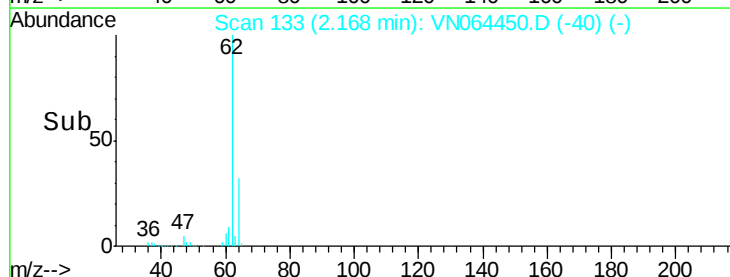
150000

100000

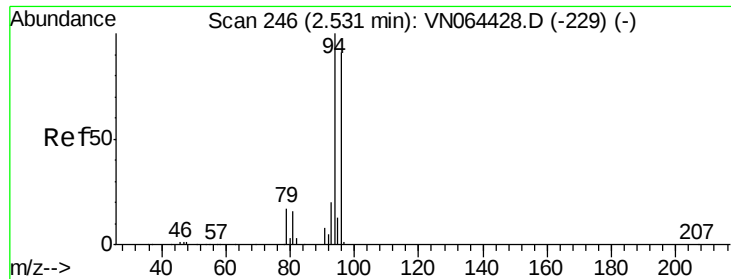
50000

0

Time-->



Time-->



#5

Bromomethane

Concen: 48.888 ug/l

RT: 2.53 min Scan# 245

Delta R.T. -0.00 min

Lab File: VN064450.D

Acq: 4 Nov 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 157969

Ion Ratio Lower Upper

94 100

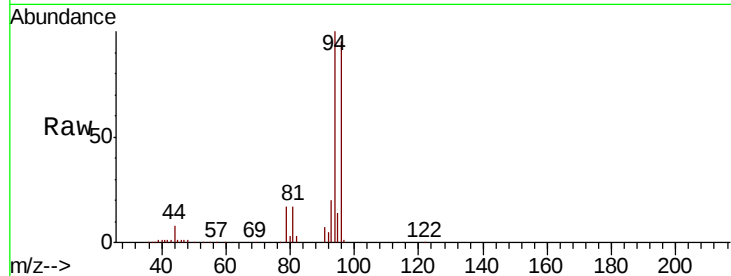
96 95.4 73.1 109.7

Manual Integrations

APPROVED

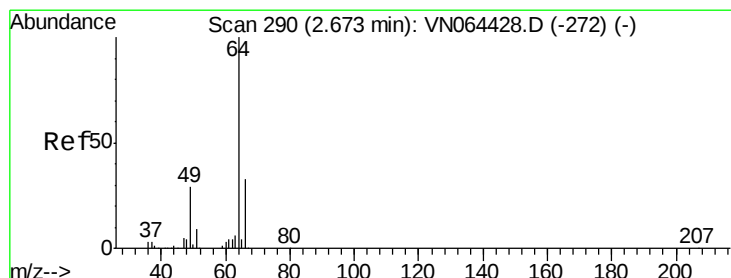
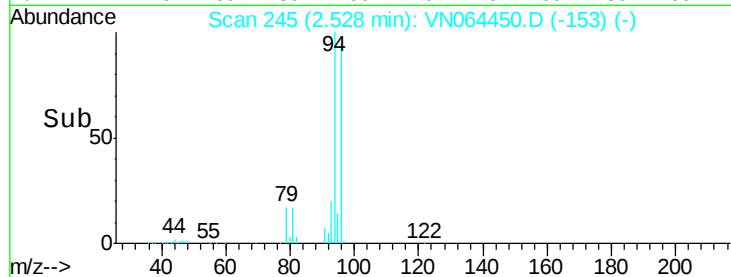
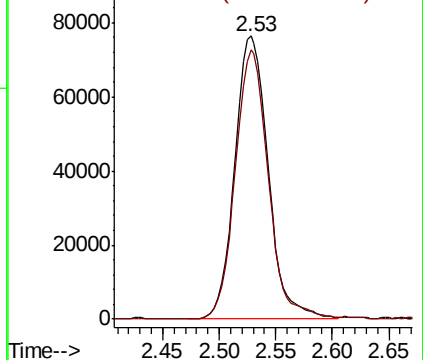
MMDadoda

11/5/2020 2:19:37 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 50.355 ug/l

RT: 2.67 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN064450.D

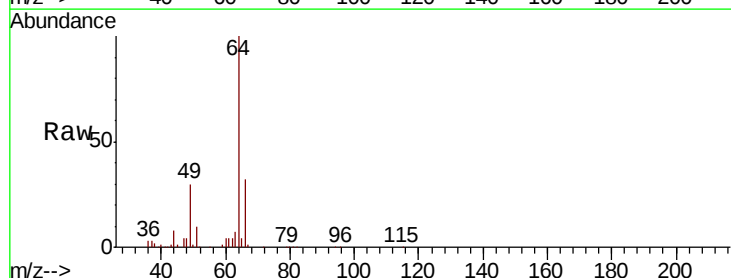
Acq: 4 Nov 2020 20:51

Tgt Ion: 64 Resp: 163066

Ion Ratio Lower Upper

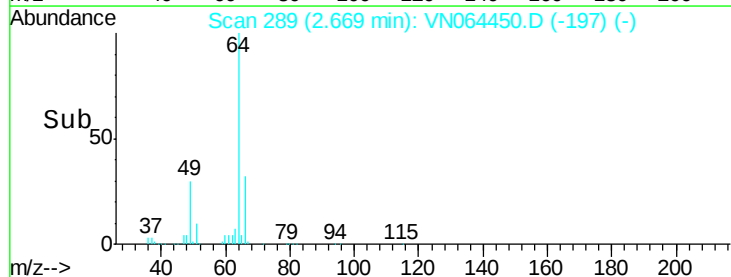
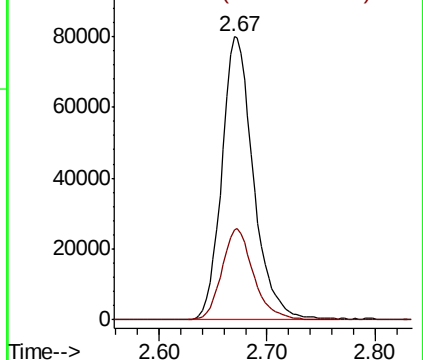
64 100

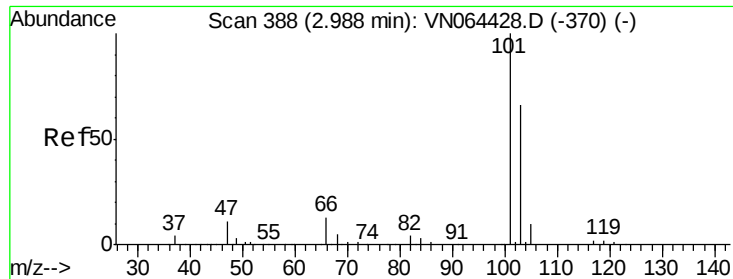
66 32.1 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

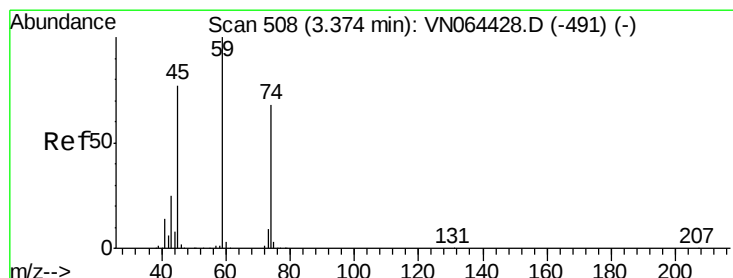
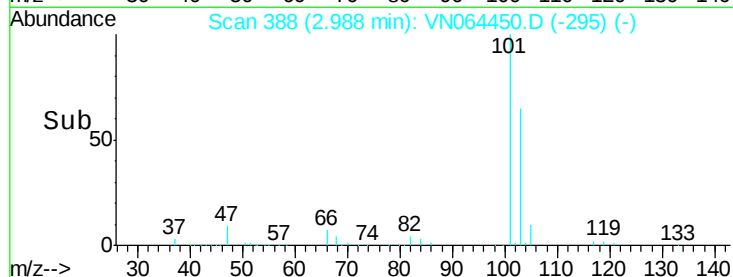
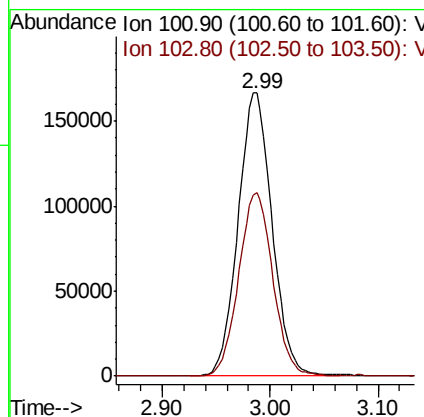
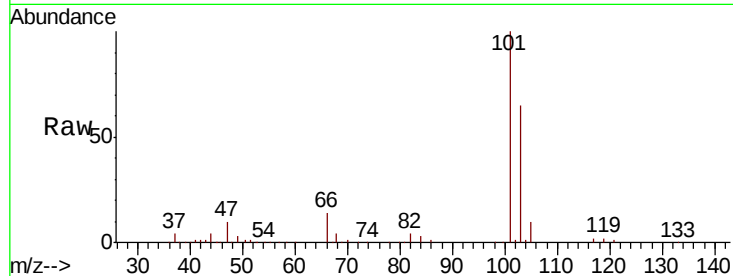
Trichlorofluoromethane
Concen: 49.173 ug/l
RT: 2.99 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN064450.D
Acq: 4 Nov 2020 20:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 366237
Ion Ratio Lower Upper
101 100
103 64.8 52.4 78.6

Manual Integrations
APPROVED

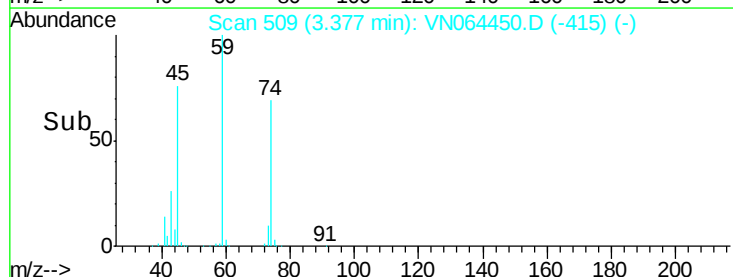
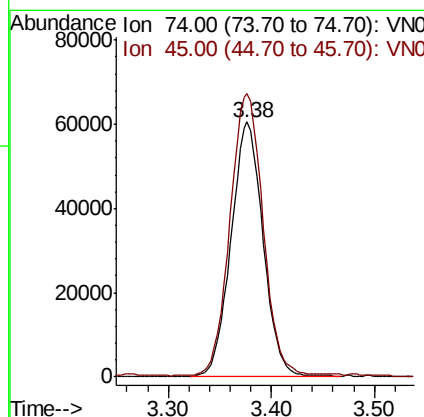
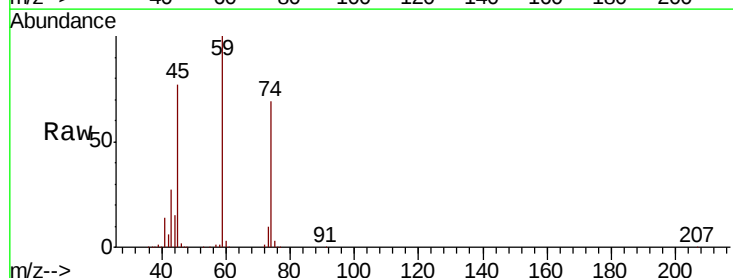
MMDadoda
11/5/2020 2:19:37 PM

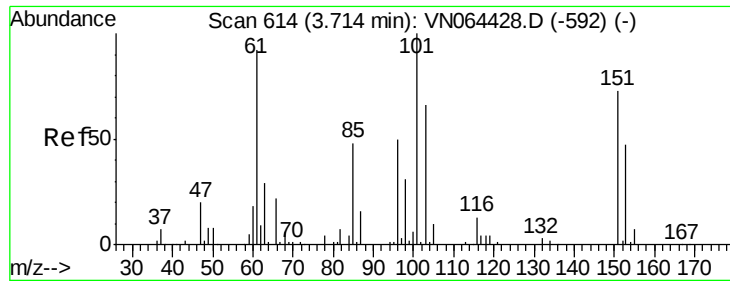


#8

Diethyl Ether
Concen: 50.017 ug/l
RT: 3.38 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN064450.D
Acq: 4 Nov 2020 20:51

Tgt Ion: 74 Resp: 131552
Ion Ratio Lower Upper
74 100
45 113.4 55.9 167.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.916 ug/l

RT: 3.71 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN064450.D

Acq: 4 Nov 2020 20:51

Instrument :

MSVOA_N

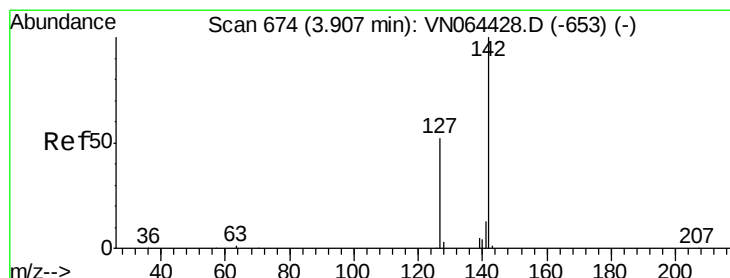
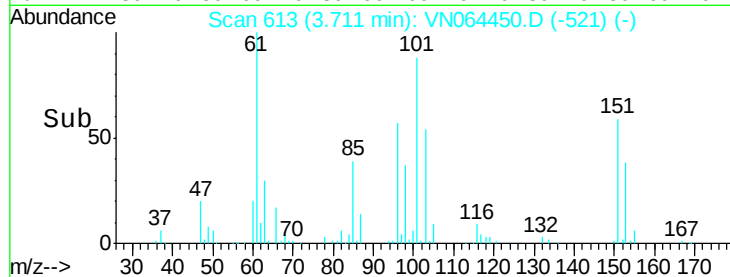
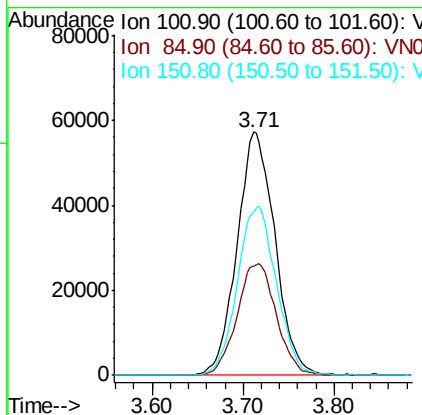
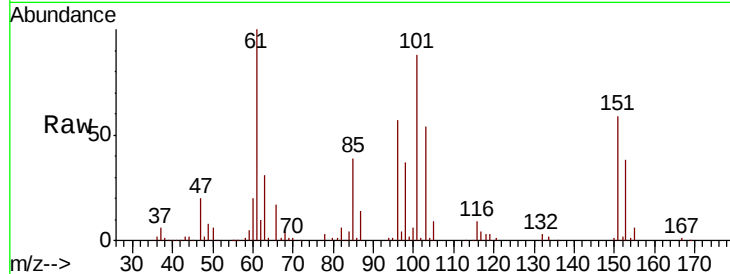
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		165933		
85	47.4	38.6	57.8		
151	71.2	57.5	86.3		

Manual Integrations
APPROVED

MMDadoda
11/5/2020 2:19:37 PM



#10

Methyl Iodide

Concen: 51.007 ug/l

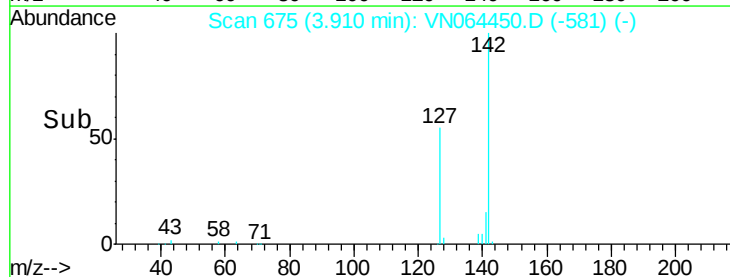
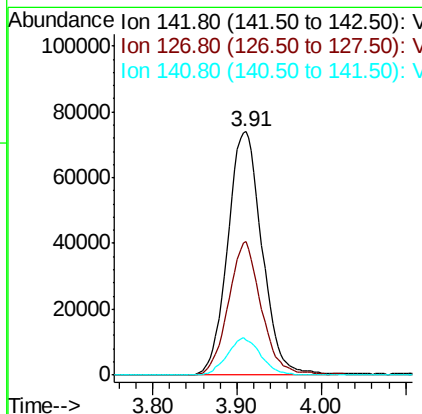
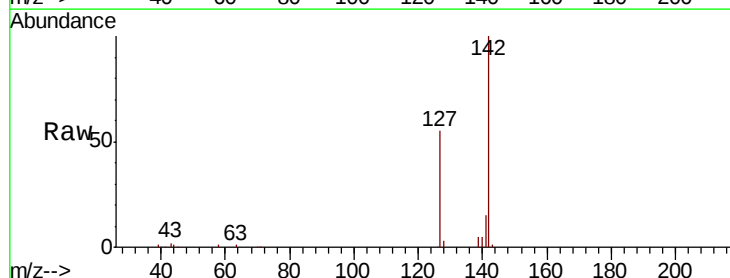
RT: 3.91 min Scan# 675

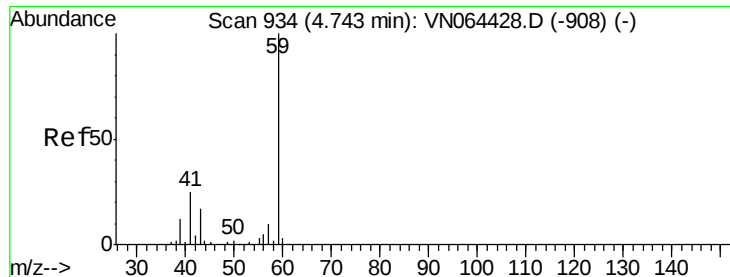
Delta R.T. 0.00 min

Lab File: VN064450.D

Acq: 4 Nov 2020 20:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
142	100		209619		
127	51.9	41.8	62.8		
141	14.9	11.4	17.2		





#11

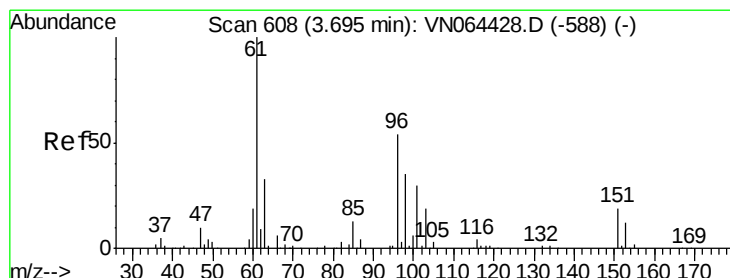
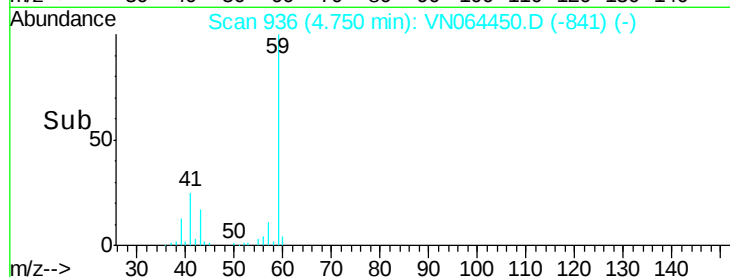
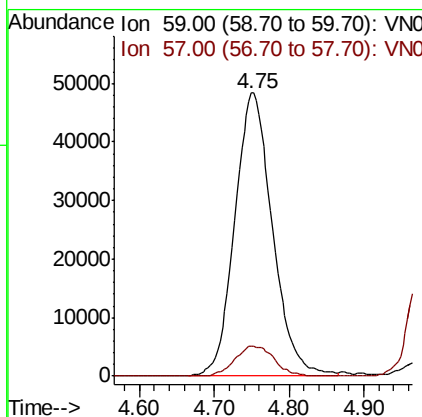
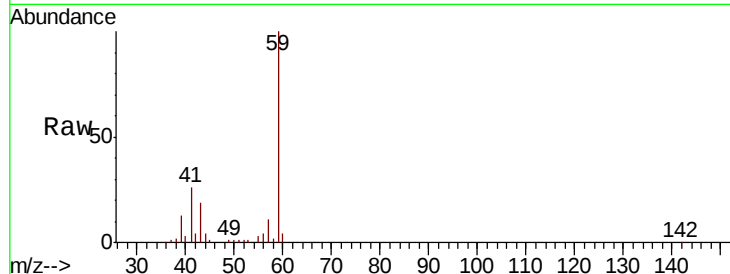
Tert butyl alcohol
Concen: 283.557 ug/l
RT: 4.75 min Scan# 936
Delta R.T. 0.01 min
Lab File: VN064450.D
Acq: 4 Nov 2020 20:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	169675
Ion Ratio	100	Lower	Upper
57	11.0	9.0	13.4

Manual Integrations
APPROVED

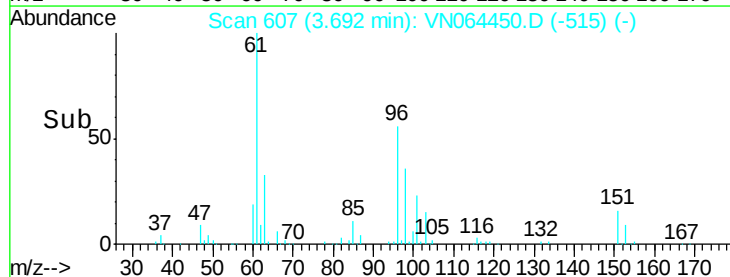
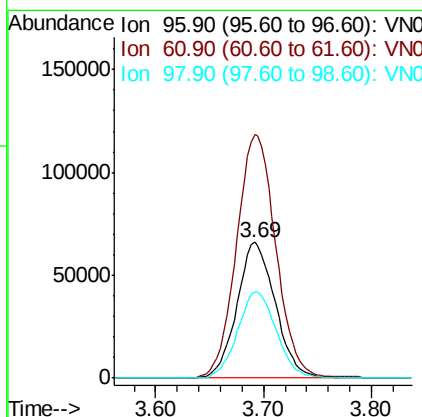
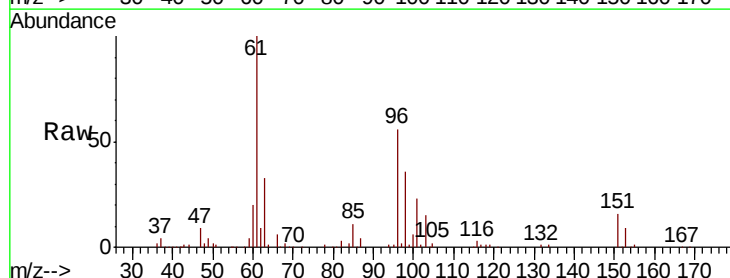
MMDadoda
11/5/2020 2:19:37 PM

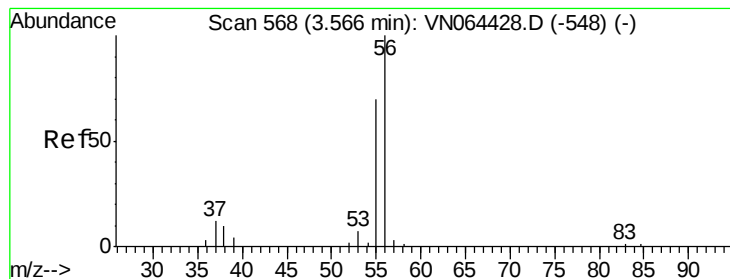


#12

1,1-Dichloroethene
Concen: 48.948 ug/l
RT: 3.69 min Scan# 607
Delta R.T. -0.00 min
Lab File: VN064450.D
Acq: 4 Nov 2020 20:51

Tgt Ion	96	Resp	163071
Ion Ratio	100	Lower	Upper
61	178.9	149.5	224.3
98	63.7	52.4	78.6





#13

Acrolein

Concen: 296.230 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN064450.D

Acq: 4 Nov 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 109951

Ion Ratio Lower Upper

56 100

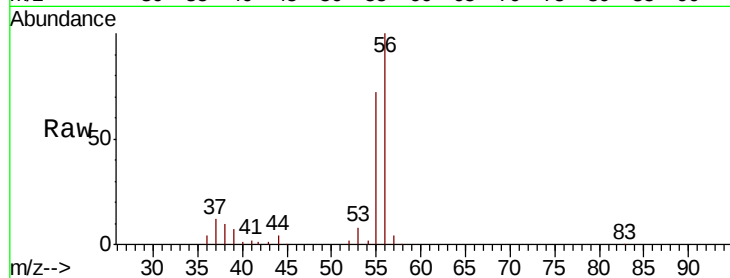
55 73.4 55.9 83.9

Manual Integrations

APPROVED

MMDadoda

11/5/2020 2:19:37 PM

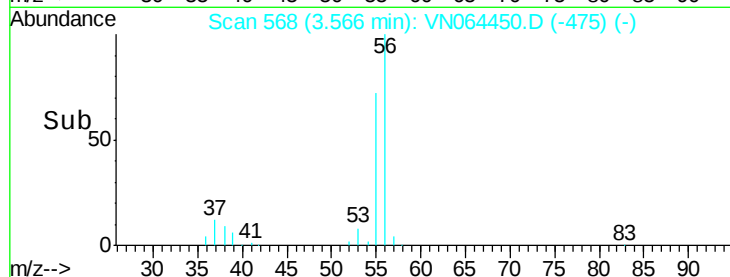


Abundance Ion 56.00 (55.70 to 56.70): VN064428.D (-548) (-)

Ion 55.00 (54.70 to 55.70): VN064428.D (-548) (-)

3.57

Time-->



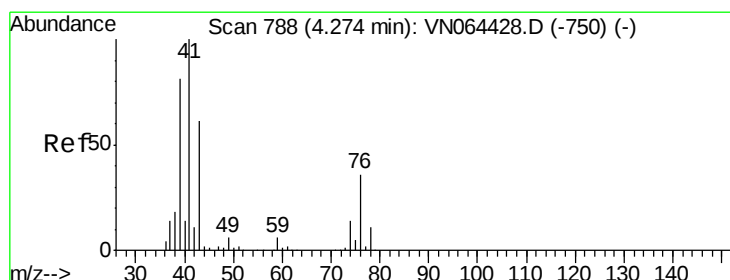
Abundance Ion 41.00 (40.70 to 41.70): VN064450.D (-475) (-)

Ion 39.00 (38.70 to 39.70): VN064450.D (-475) (-)

Ion 75.90 (75.60 to 76.60): VN064450.D (-475) (-)

4.27

Time-->



#14

Allyl chloride

Concen: 48.697 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN064450.D

Acq: 4 Nov 2020 20:51

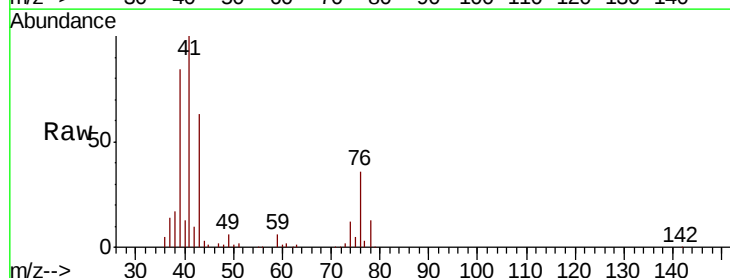
Tgt Ion: 41 Resp: 317365

Ion Ratio Lower Upper

41 100

39 77.6 61.8 92.8

76 30.8 25.4 38.0



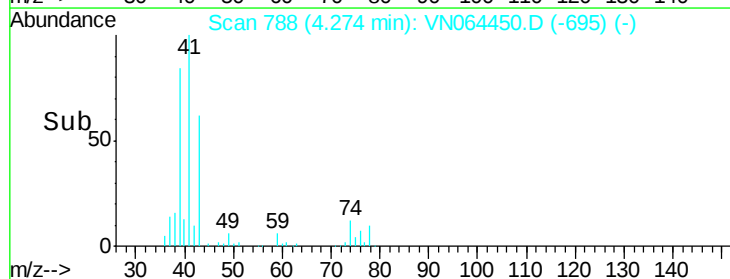
Abundance Ion 41.00 (40.70 to 41.70): VN064428.D (-750) (-)

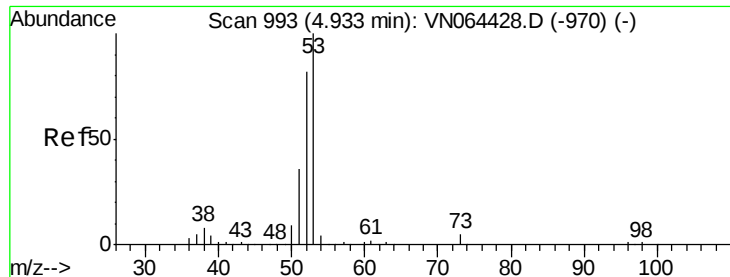
Ion 39.00 (38.70 to 39.70): VN064428.D (-750) (-)

Ion 75.90 (75.60 to 76.60): VN064428.D (-750) (-)

4.27

Time-->





#15

Acrylonitrile

Concen: 282.679 ug/l

RT: 4.94 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN064450.D

Acq: 4 Nov 2020 20:51

Instrument :

MSVOA_N

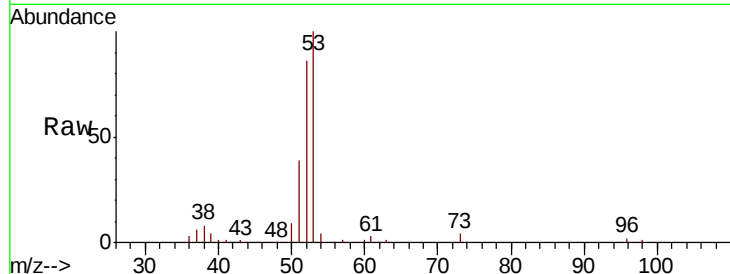
ClientSampleId :

VSTDCCC050EC

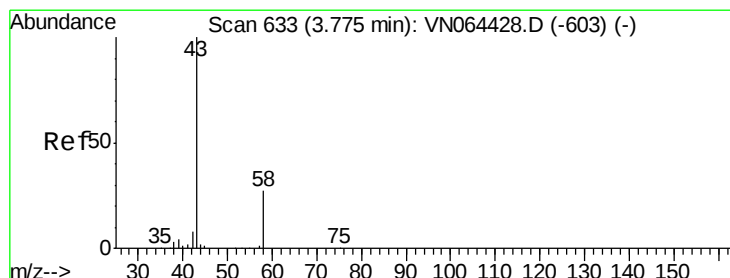
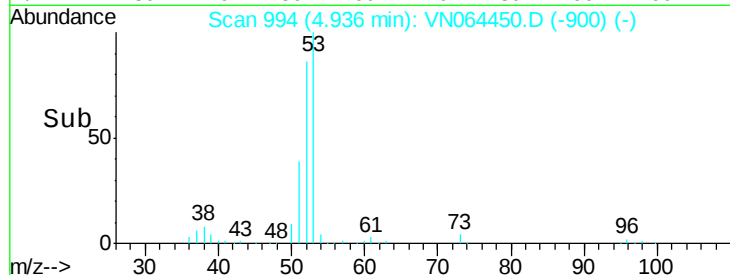
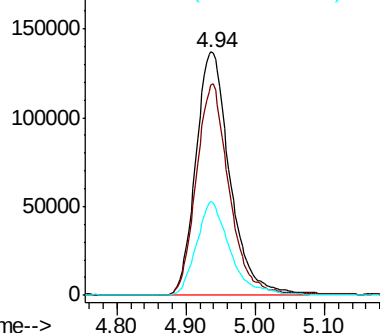
Tot Ion:	53	Resp:	470931
Ion	Ratio	Lower	Upper
53	100		
52	83.9	65.6	98.4
51	38.1	29.9	44.9

Manual Integrations
APPROVED

MMDadoda
11/5/2020 2:19:37 PM



Abundance Ion 53.00 (52.70 to 53.70): VN064428.D (-970) (-)



#16

Acetone

Concen: 209.559 ug/l

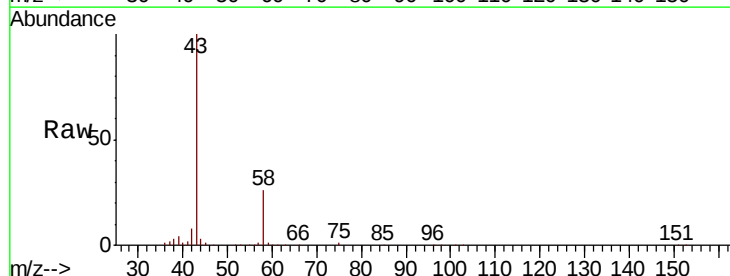
RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

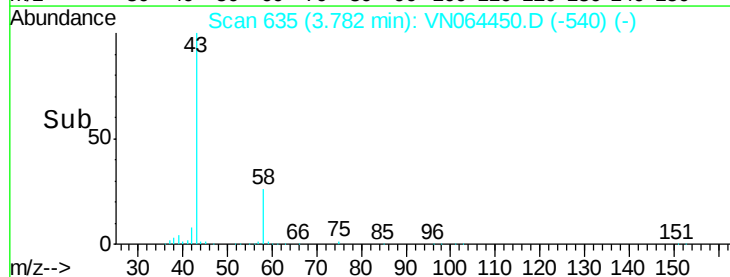
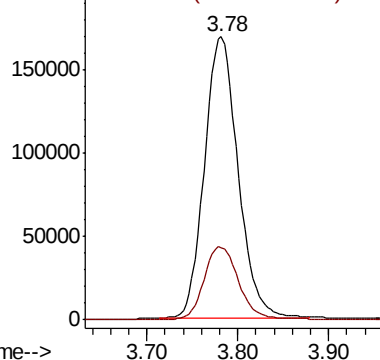
Lab File: VN064450.D

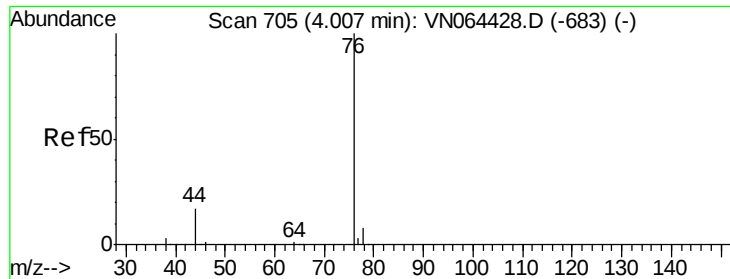
Acq: 4 Nov 2020 20:51

Tgt Ion:	43	Resp:	433133
Ion	Ratio	Lower	Upper
43	100		
58	25.7	21.4	32.0



Abundance Ion 43.00 (42.70 to 43.70): VN064428.D (-603) (-)





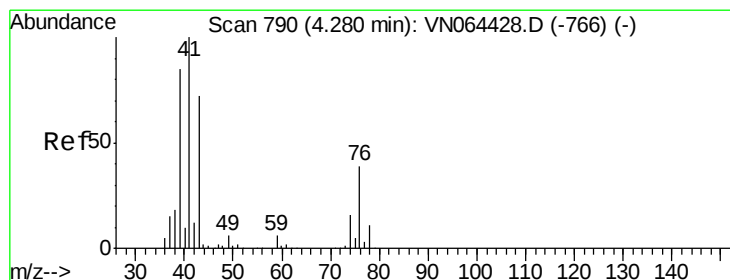
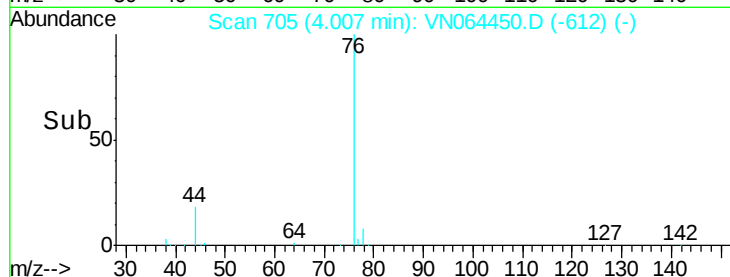
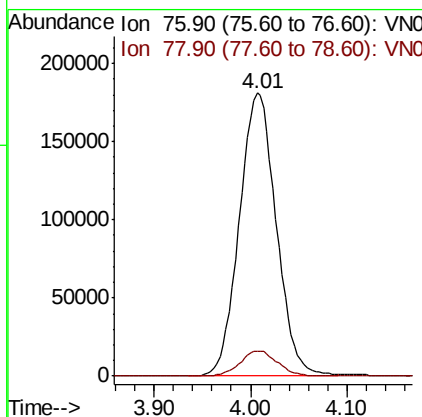
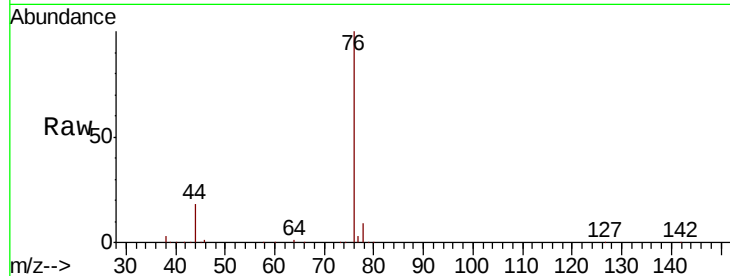
#17
Carbon Disulfide
Concen: 48.158 ug/l
RT: 4.01 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN064450.D
Acq: 4 Nov 2020 20:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.8	10.2

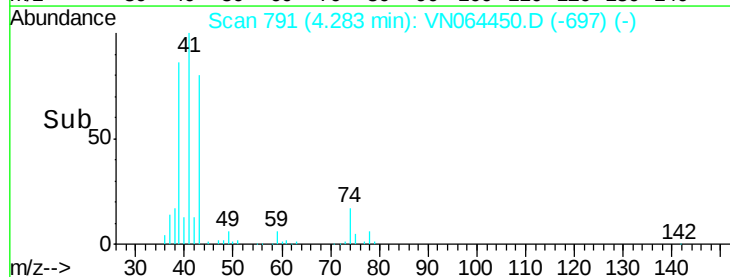
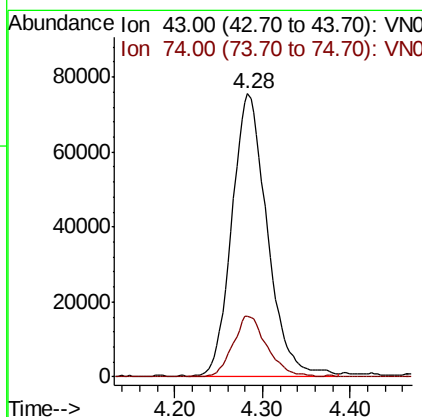
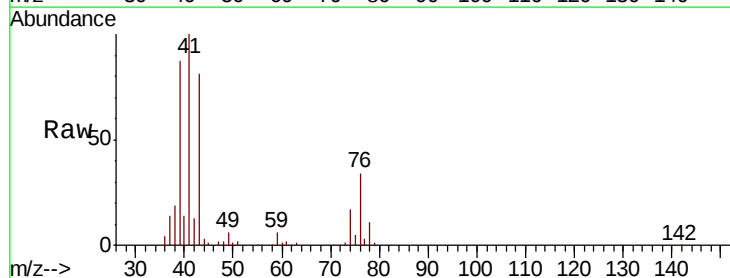
Manual Integrations
APPROVED

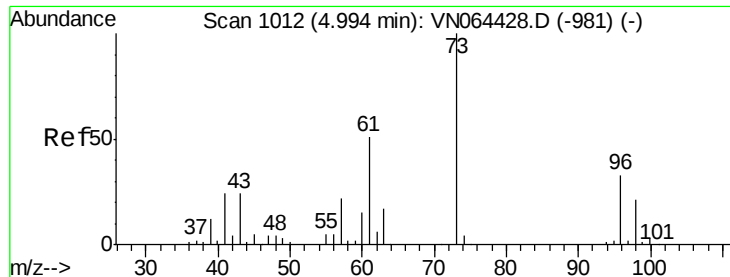
MMDadoda
11/5/2020 2:19:37 PM



#18
Methyl Acetate
Concen: 51.855 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN064450.D
Acq: 4 Nov 2020 20:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.9	17.0	25.4





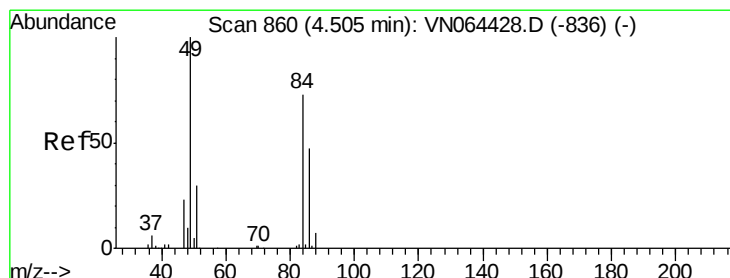
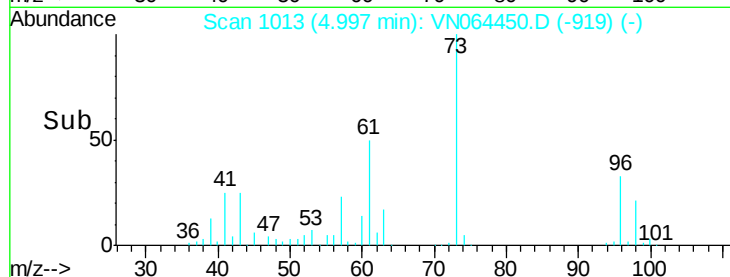
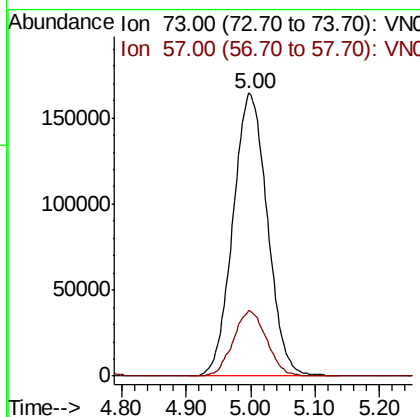
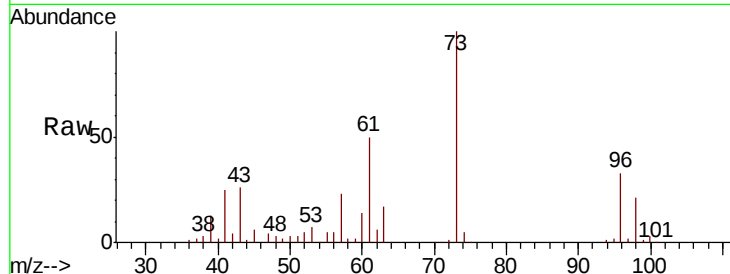
#19
Methvl tert-butvl Ether
Concen: 50.983 ug/l
RT: 5.00 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN064450.D
Acq: 4 Nov 2020 20:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 611313
Ion Ratio Lower Upper
73 100
57 23.0 17.7 26.5

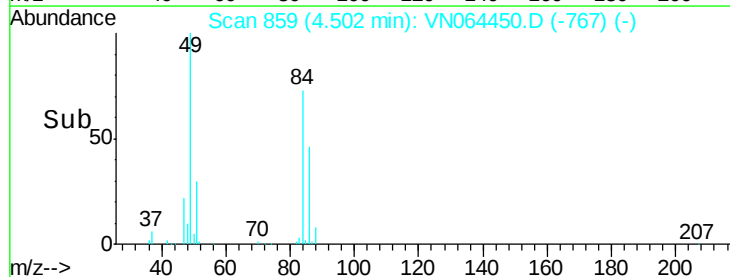
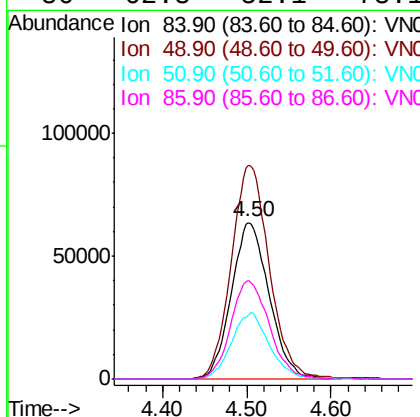
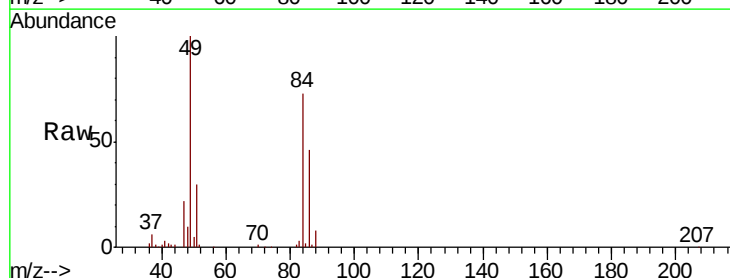
Manual Integrations
APPROVED

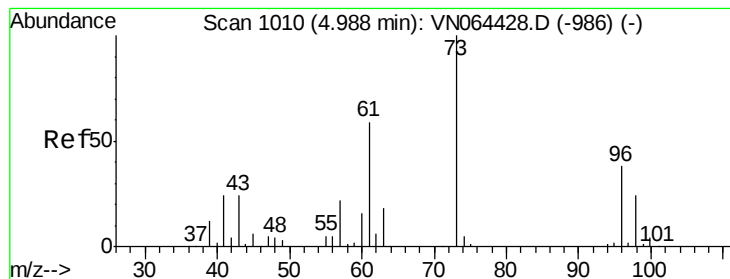
MMDadoda
11/5/2020 2:19:37 PM



#20
Methylene Chloride
Concen: 48.542 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064450.D
Acq: 4 Nov 2020 20:51

Tgt Ion: 84 Resp: 199062
Ion Ratio Lower Upper
84 100
49 136.0 110.1 165.1
51 40.5 33.6 50.4
86 62.8 52.1 78.1





#21

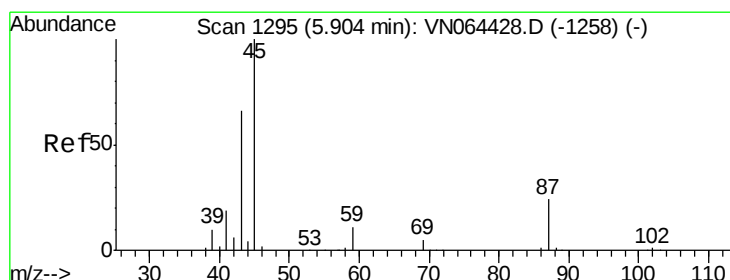
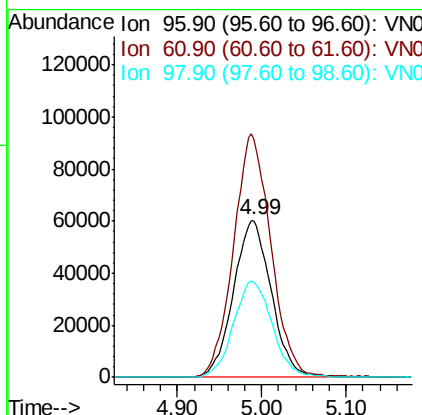
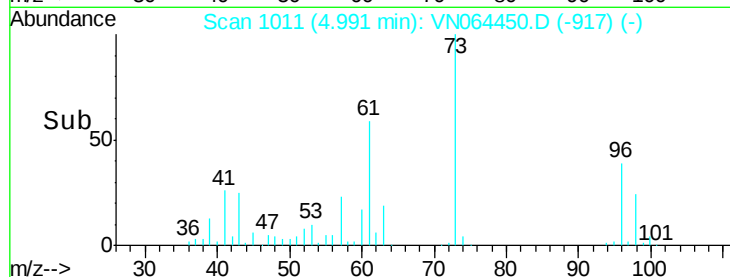
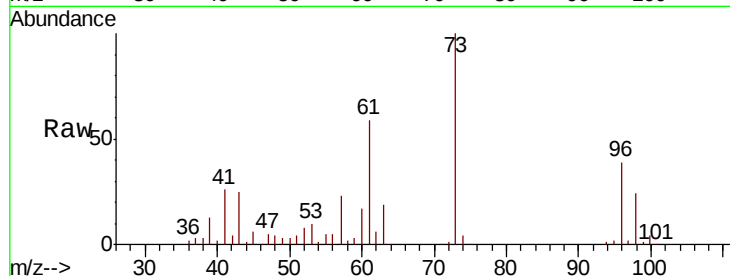
trans-1,2-Dichloroethene
Concen: 49.666 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN064450.D
Acq: 4 Nov 2020 20:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.9	122.4	183.6
98	60.5	50.4	75.6

Manual Integrations
APPROVED

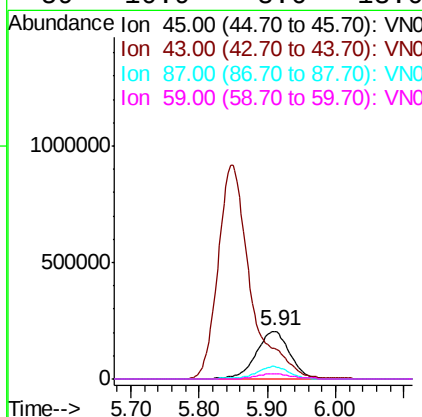
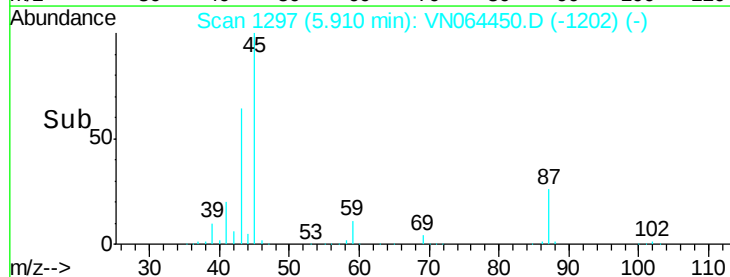
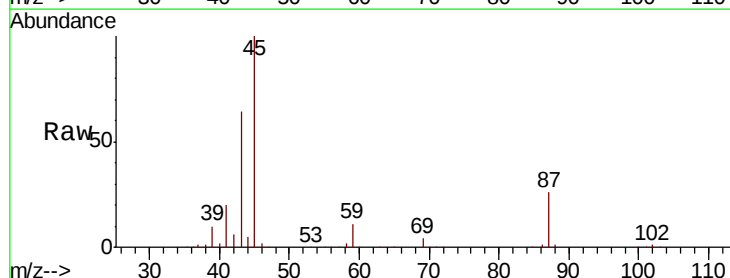
MMDadoda
11/5/2020 2:19:37 PM

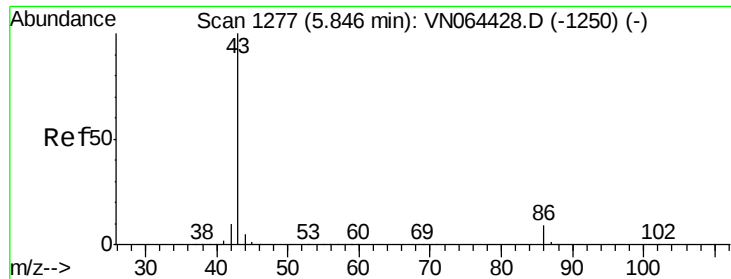


#22

Diisopropyl ether
Concen: 50.824 ug/l
RT: 5.91 min Scan# 1297
Delta R.T. 0.01 min
Lab File: VN064450.D
Acq: 4 Nov 2020 20:51

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.4	53.2	79.8
87	25.8	19.9	29.9
59	10.9	8.6	13.0





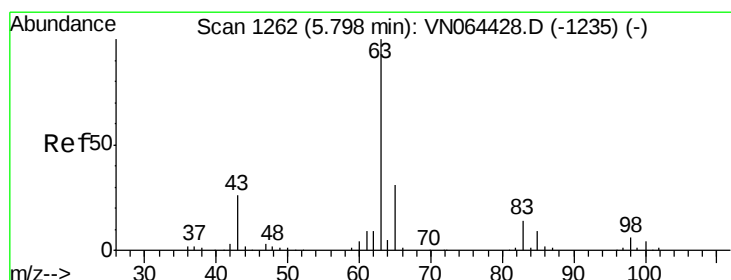
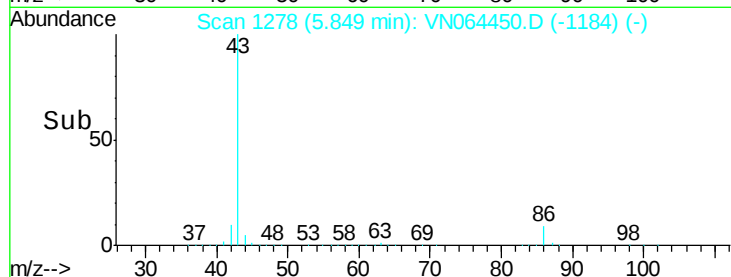
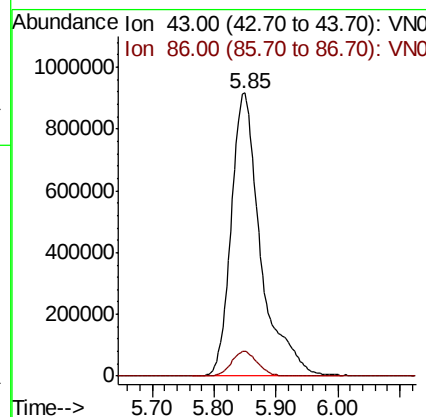
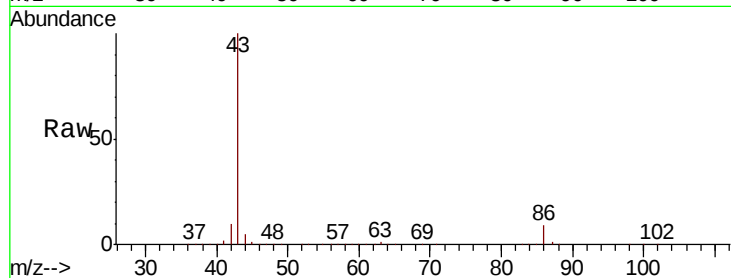
#23
 Vinyl Acetate
 Concen: 270.179 ug/l
 RT: 5.85 min Scan# 1278
 Delta R.T. 0.00 min
 Lab File: VN064450.D
 Acq: 4 Nov 2020 20:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 3040626
 Ion Ratio Lower Upper
 43 100
 86 8.8 6.8 10.2

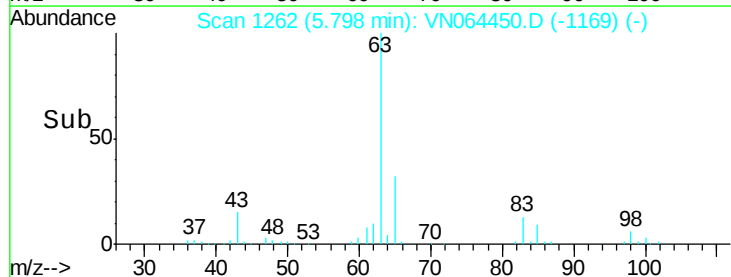
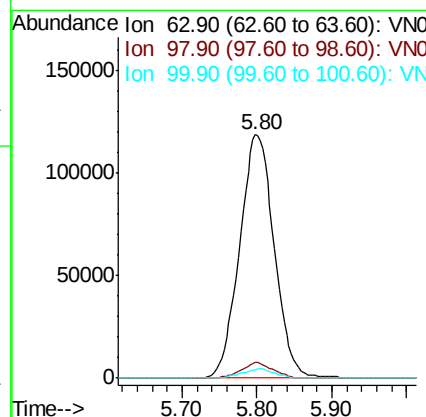
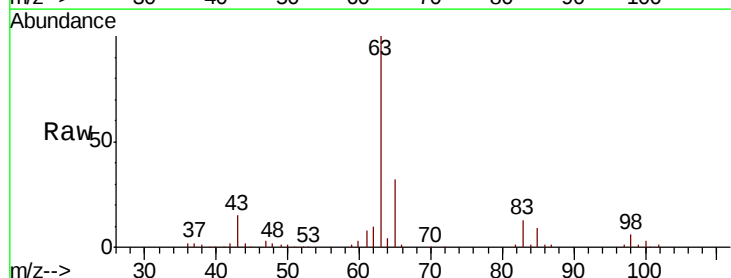
Manual Integrations
 APPROVED

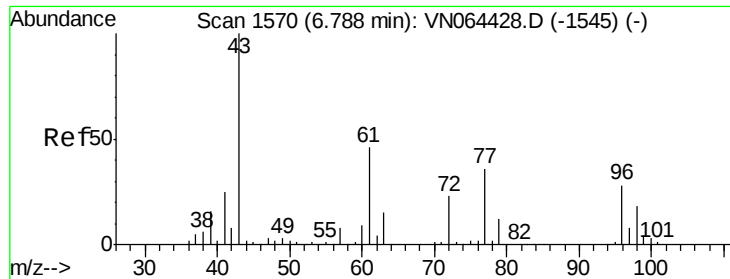
MMDadoda
 11/5/2020 2:19:37 PM



#24
 1,1-Dichloroethane
 Concen: 50.272 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VN064450.D
 Acq: 4 Nov 2020 20:51

Tgt Ion: 63 Resp: 382171
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.0 9.2
 100 3.4 1.8 5.3





#25

2-Butanone

Concen: 262.075 ug/l

RT: 6.79 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN064450.D

Acq: 4 Nov 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 690173

Ion Ratio Lower Upper

43 100

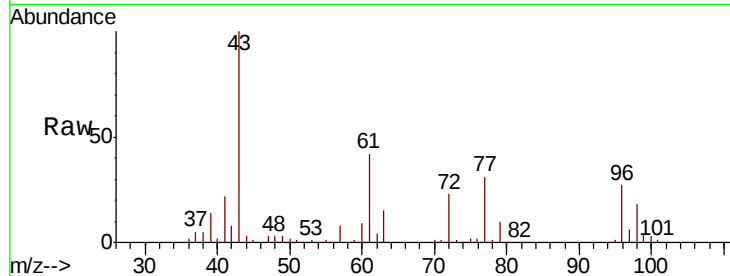
72 23.5 18.5 27.7

Manual Integrations

APPROVED

MMDadoda

11/5/2020 2:19:37 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

250000

200000

150000

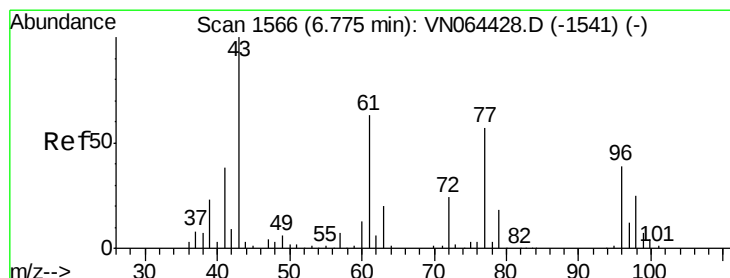
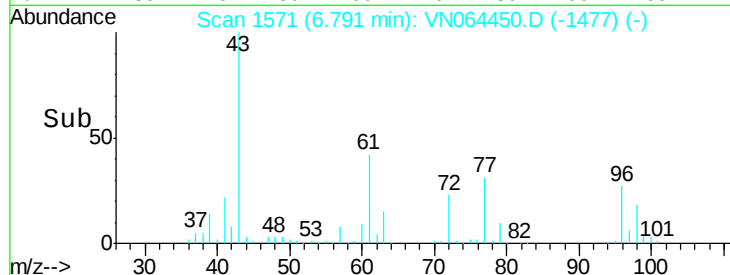
100000

50000

0

6.70 6.75 6.80 6.85

Time-->



#26

2,2-Dichloropropane

Concen: 42.749 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN064450.D

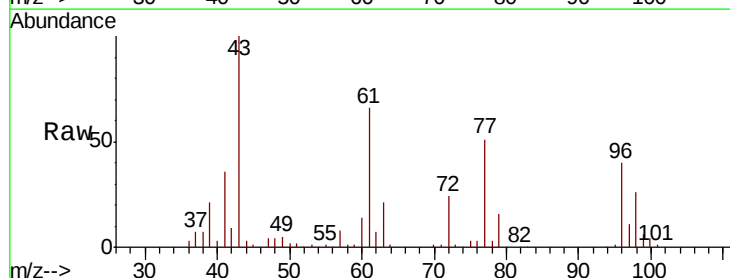
Acq: 4 Nov 2020 20:51

Tgt Ion: 77 Resp: 294185

Ion Ratio Lower Upper

77 100

97 20.6 10.2 30.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

100000

80000

60000

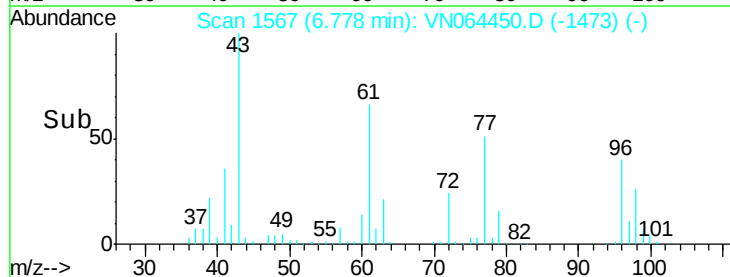
40000

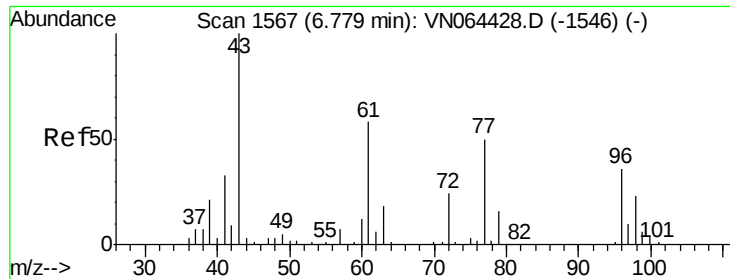
20000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 49.486 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064450.D

Acq: 4 Nov 2020 20:51

Instrument :

MSVOA_N

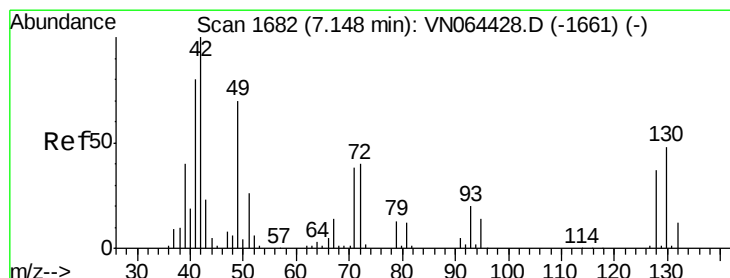
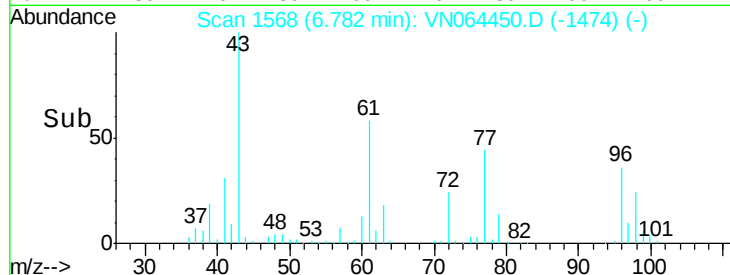
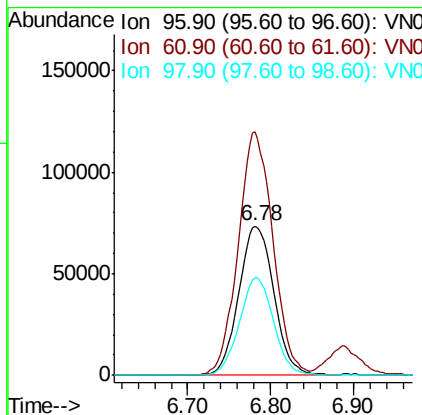
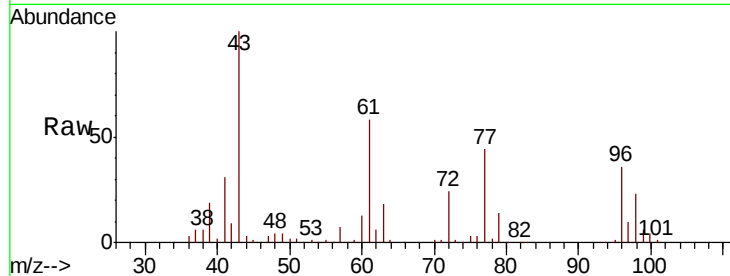
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	216908
Ion	Ratio	Lower	Upper
96	100		
61	160.8	0.0	329.6
98	63.8	0.0	131.2

Manual Integrations
APPROVED

MMDadoda
11/5/2020 2:19:37 PM



#28

Bromochloromethane

Concen: 47.760 ug/l

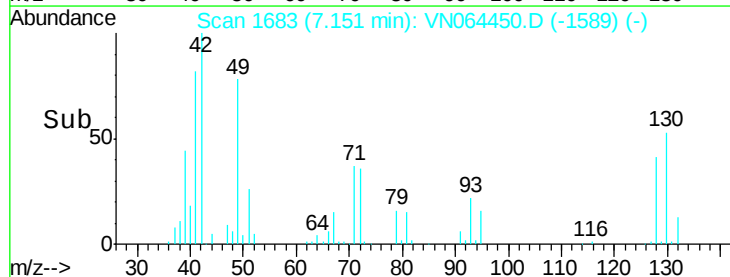
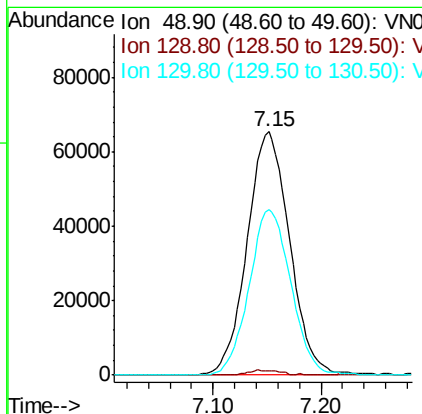
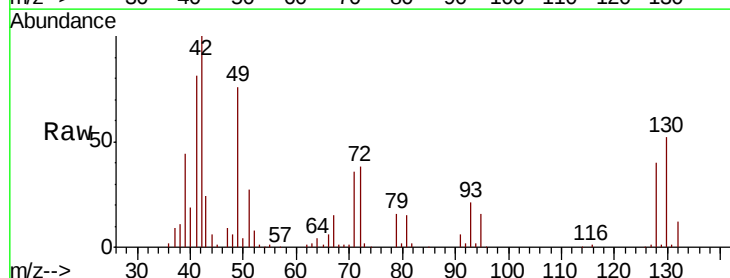
RT: 7.15 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN064450.D

Acq: 4 Nov 2020 20:51

Tgt Ion:	49	Resp:	178462
Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.6
130	67.0	54.2	81.4





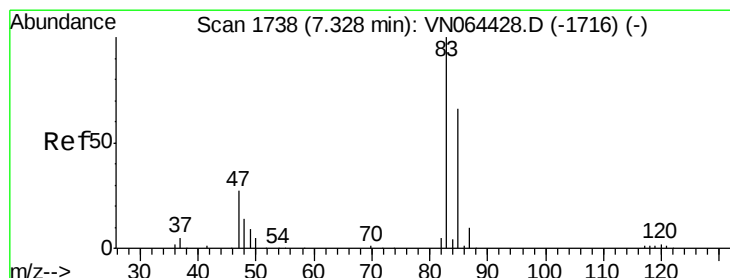
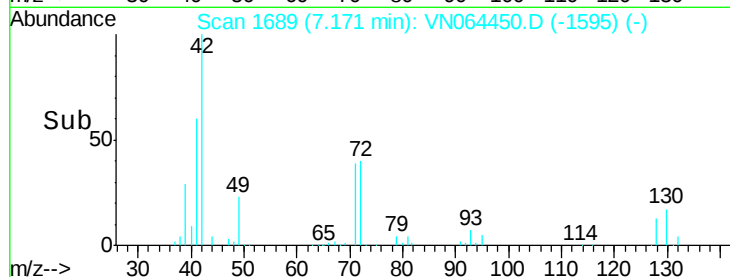
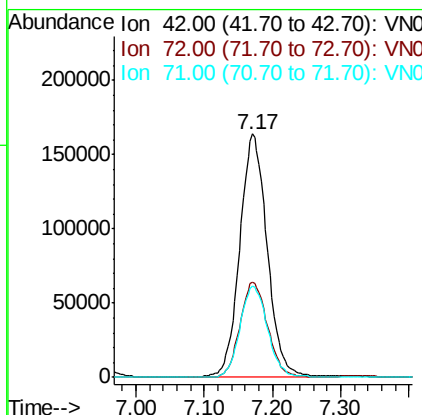
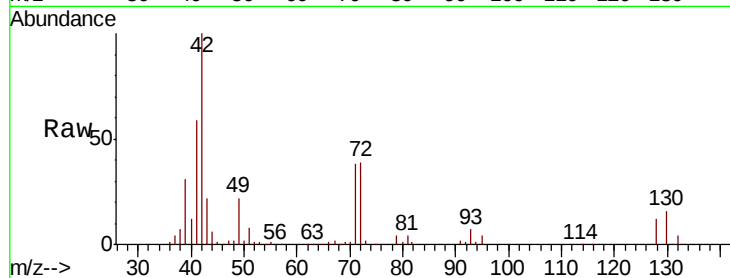
#29
Tetrahydrofuran
Concen: 282.159 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN064450.D
Acq: 4 Nov 2020 20:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.4	31.7	47.5
71	37.8	29.8	44.6

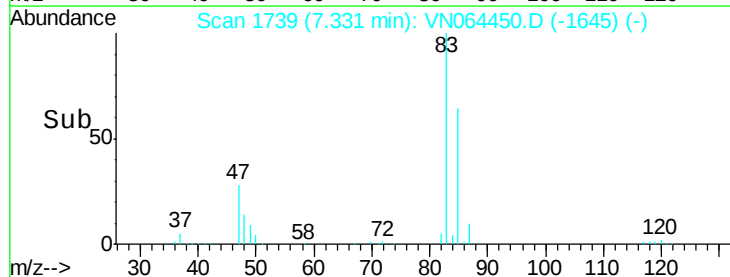
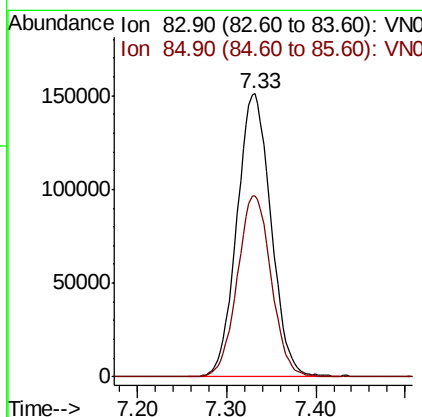
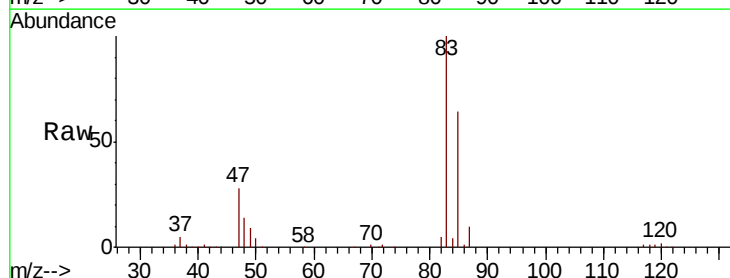
Manual Integrations
APPROVED

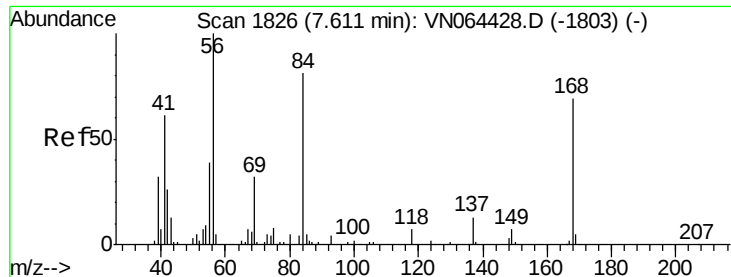
MMDadoda
11/5/2020 2:19:37 PM



#30
Chloroform
Concen: 50.229 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN064450.D
Acq: 4 Nov 2020 20:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.5	78.7





#31

Cyclohexane

Concen: 45.763 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN064450.D

Acq: 4 Nov 2020 20:51

Instrument :

MSVOA_N

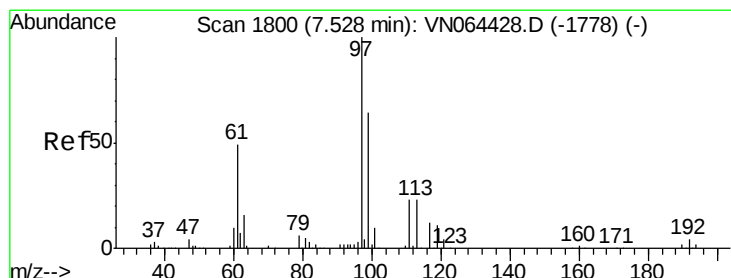
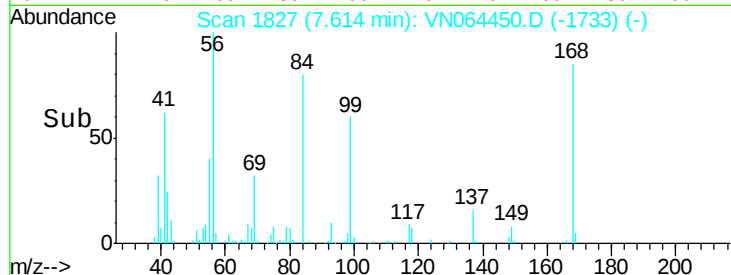
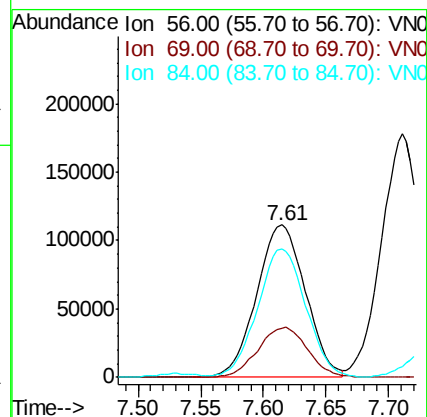
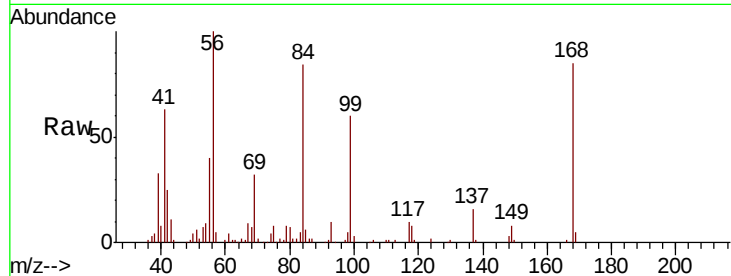
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	301848
Ion Ratio	Lower	Upper	
56	100		
69	32.5	25.6	38.4
84	82.1	63.0	94.6

Manual Integrations
APPROVED

MMDadoda
11/5/2020 2:19:37 PM



#32

1,1,1-Trichloroethane

Concen: 48.873 ug/l

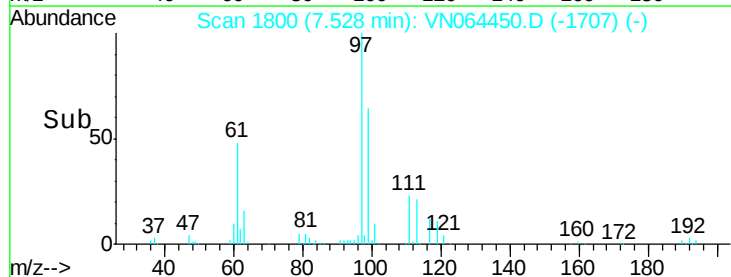
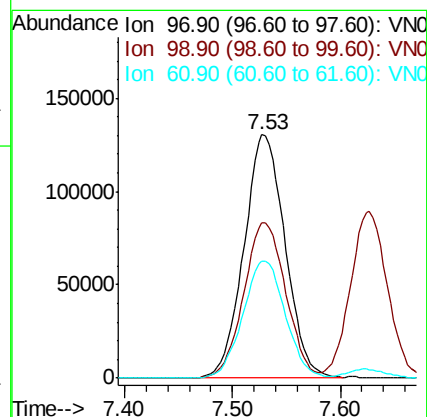
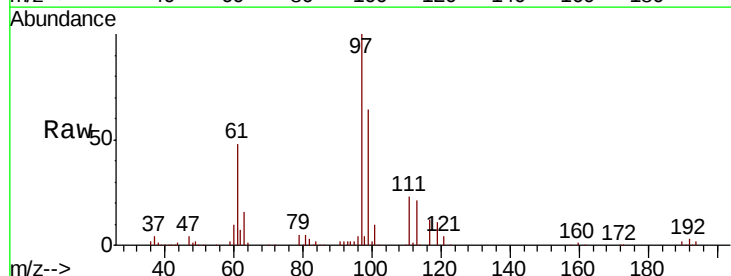
RT: 7.53 min Scan# 1800

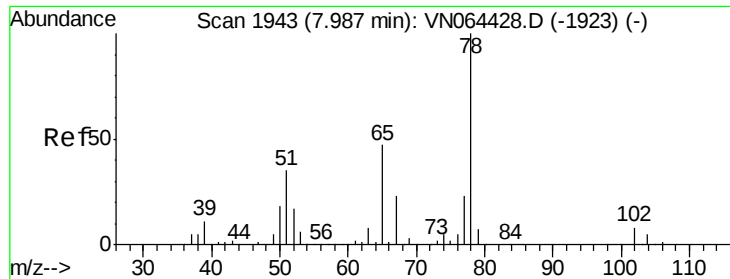
Delta R.T. -0.00 min

Lab File: VN064450.D

Acq: 4 Nov 2020 20:51

Tgt Ion:	97	Resp:	346385
Ion Ratio	Lower	Upper	
97	100		
99	65.1	51.3	76.9
61	49.5	39.1	58.7





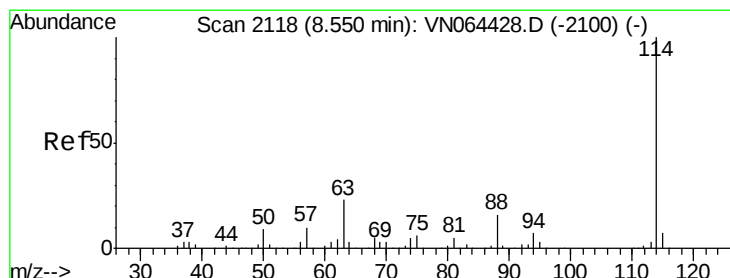
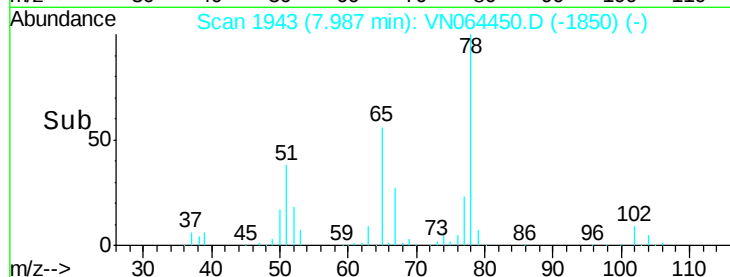
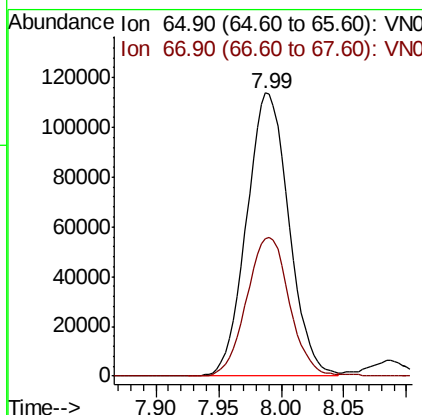
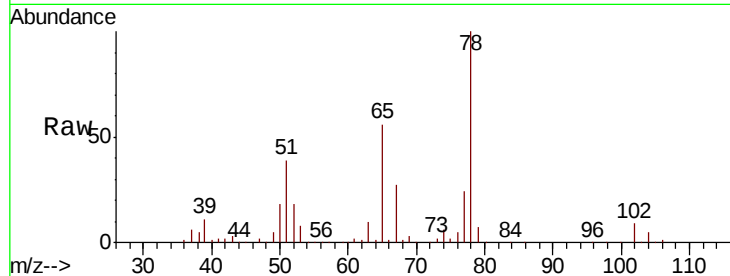
#33
 1,2-Dichloroethane-d4
 Concen: 49.268 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064450.D
 Acq: 4 Nov 2020 20:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	267329		
67	49.5	0.0	101.6	

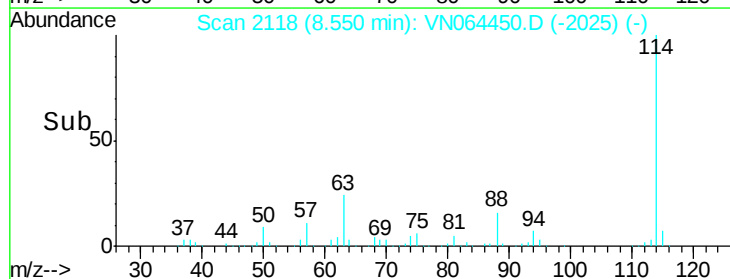
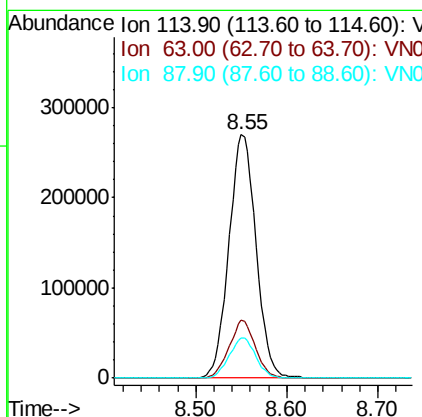
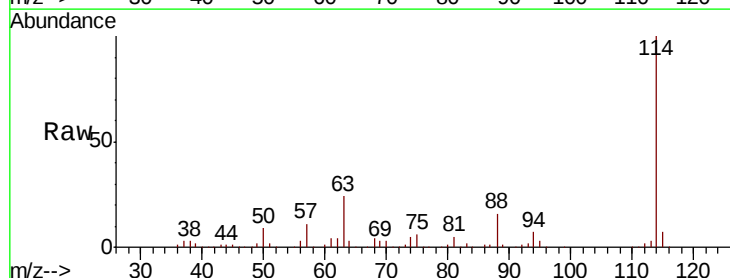
Manual Integrations
 APPROVED

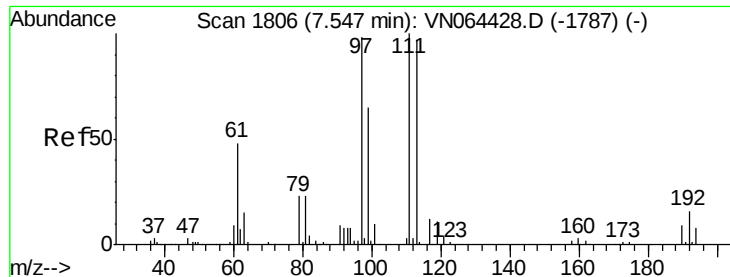
MMDadoda
 11/5/2020 2:19:37 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064450.D
 Acq: 4 Nov 2020 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	558511		
63	23.7	0.0	45.6	
88	16.4	0.0	32.8	





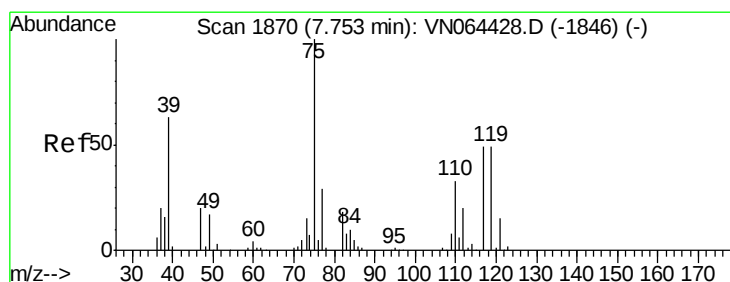
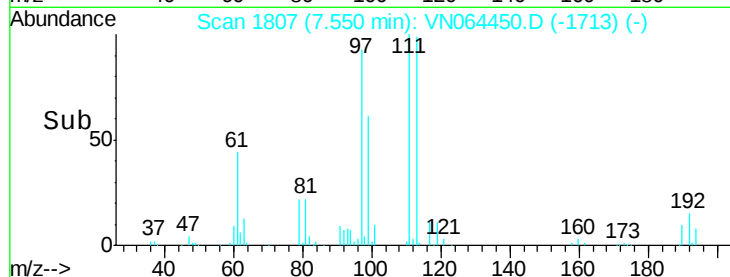
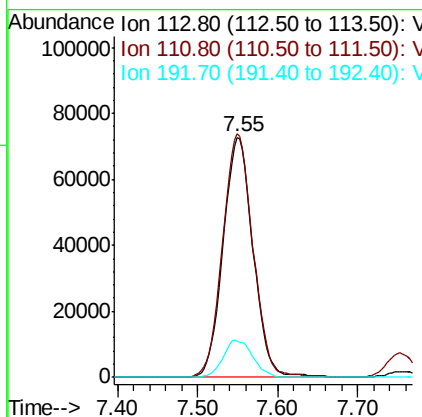
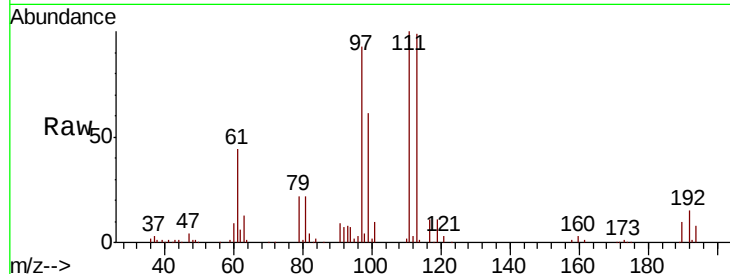
#35
Dibromofluoromethane
Concen: 49.013 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064450.D
Acq: 4 Nov 2020 20:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	186380		
111	103.0	81.1	121.7	
192	15.3	12.8	19.2	

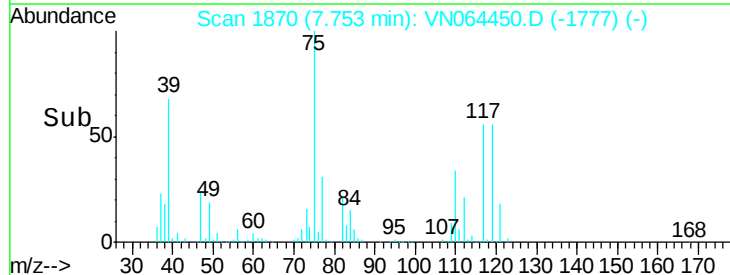
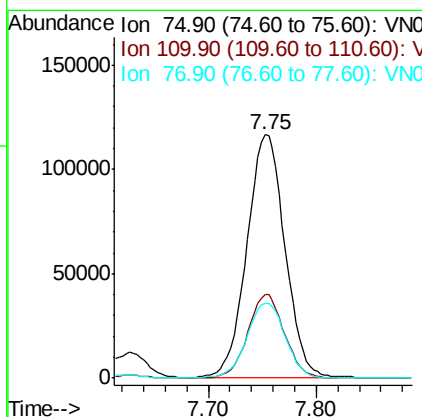
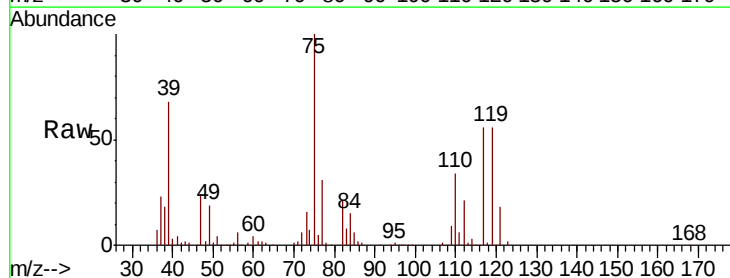
Manual Integrations
APPROVED

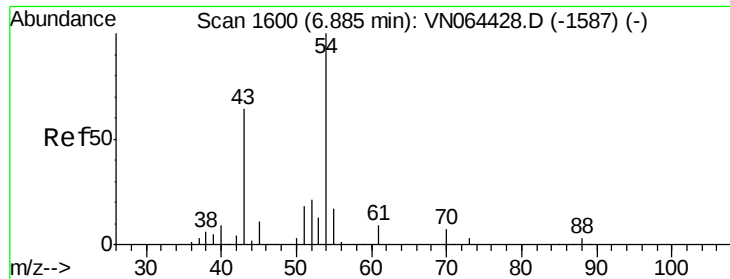
MMDadoda
11/5/2020 2:19:37 PM



#36
1,1-Dichloropropene
Concen: 48.134 ug/l
RT: 7.75 min Scan# 1870
Delta R.T. -0.00 min
Lab File: VN064450.D
Acq: 4 Nov 2020 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	284006		
110	33.3	16.0	48.0	
77	31.4	24.0	36.0	





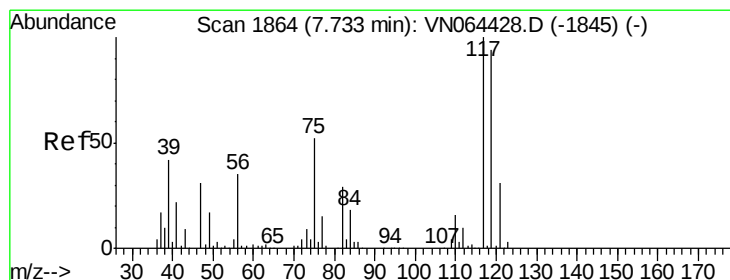
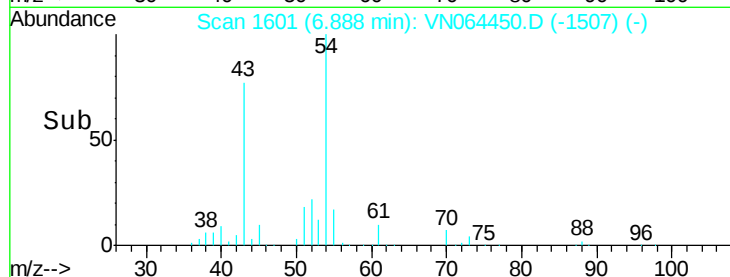
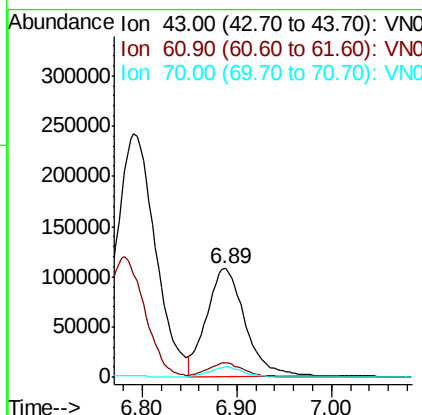
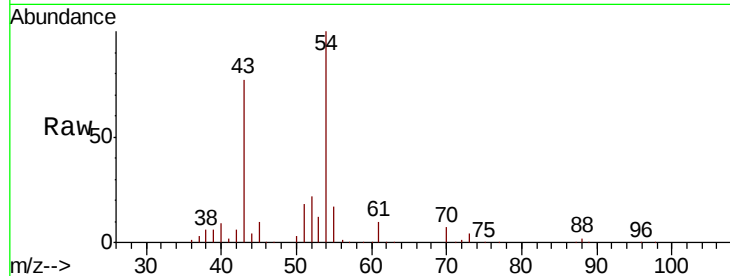
#37
Ethyl Acetate
Concen: 50.765 ug/l
RT: 6.89 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VN064450.D
Acq: 4 Nov 2020 20:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	61	70
Resp	304070		
Ratio	100	12.7	9.0
Lower		10.0	7.1
Upper		15.0	10.7

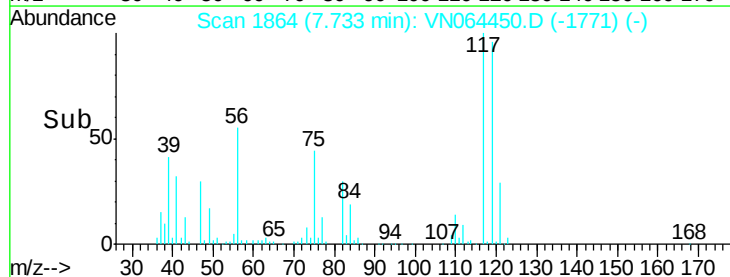
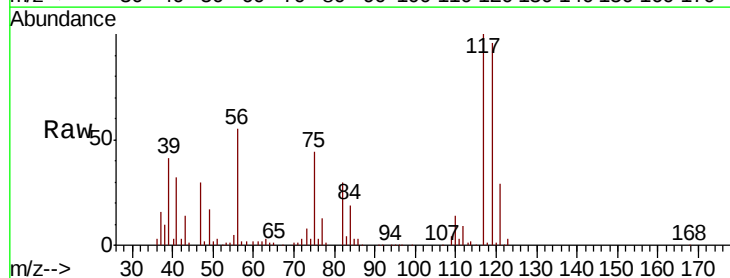
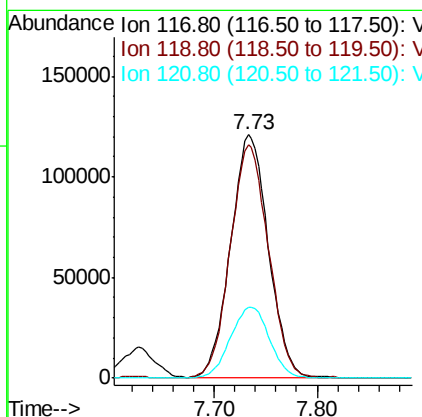
Manual Integrations
APPROVED

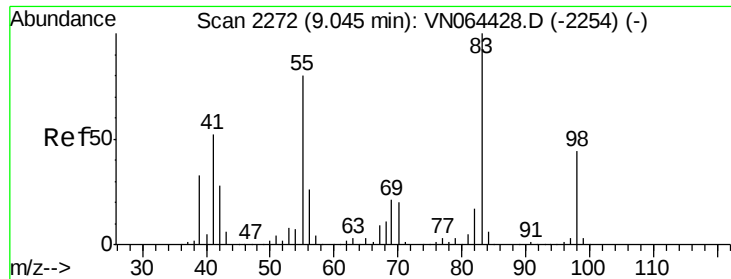
MMDadoda
11/5/2020 2:19:37 PM



#38
Carbon Tetrachloride
Concen: 48.674 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064450.D
Acq: 4 Nov 2020 20:51

Tgt Ion	117	119	121
Resp	306934		
Ratio	100	95.6	29.2
Lower		75.5	24.4
Upper		113.3	36.6





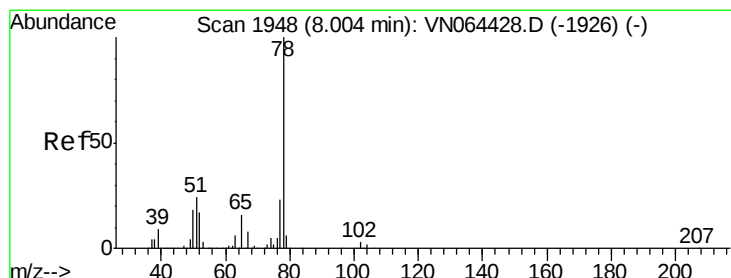
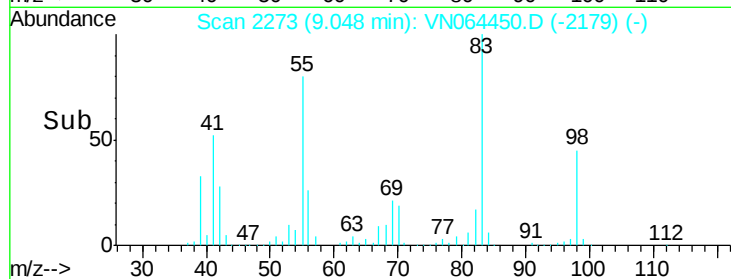
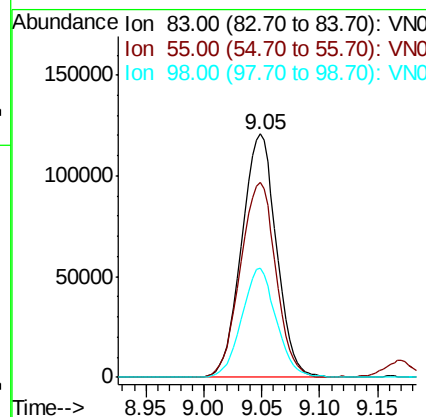
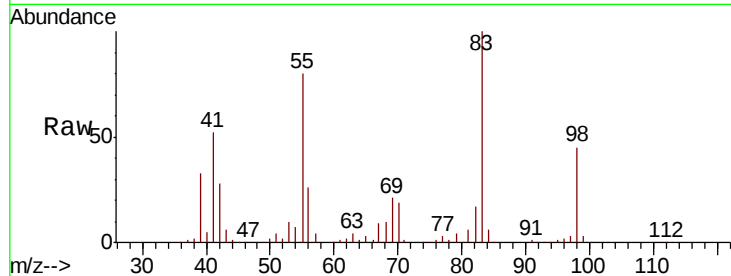
#39
Methvlcvclohexane
Concen: 47.739 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN064450.D
Acq: 4 Nov 2020 20:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.2	63.8	95.6
98	44.8	35.4	53.2

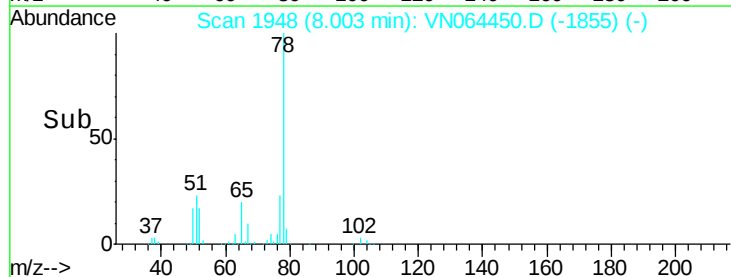
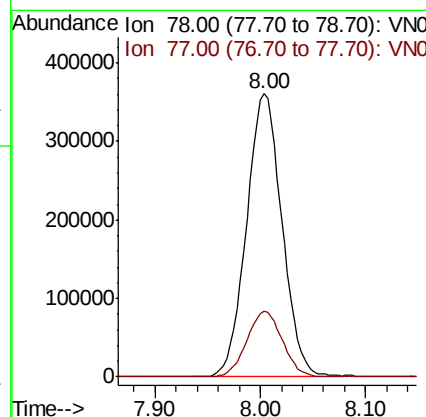
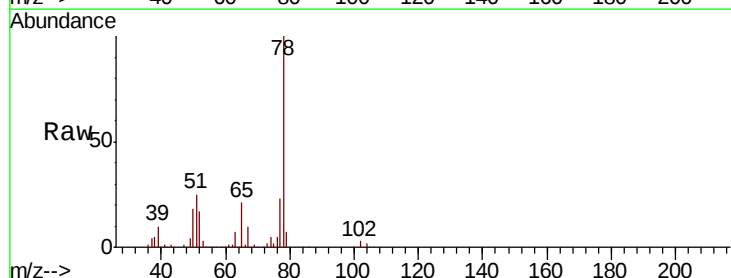
Manual Integrations
APPROVED

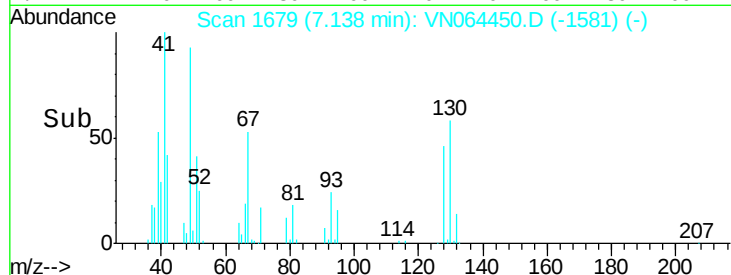
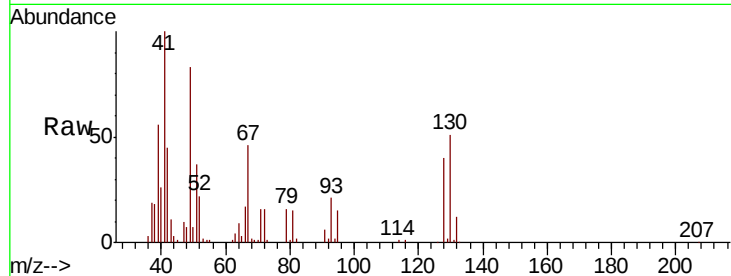
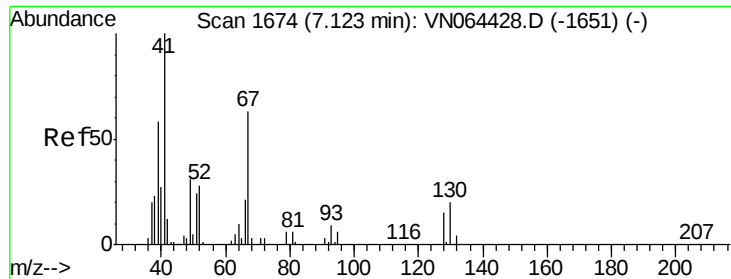
MMDadoda
11/5/2020 2:19:37 PM



#40
Benzene
Concen: 48.729 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064450.D
Acq: 4 Nov 2020 20:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.7	28.1





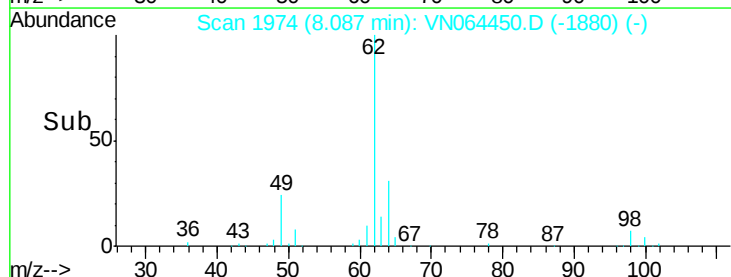
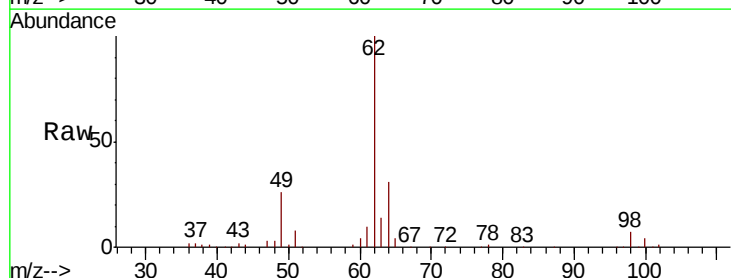
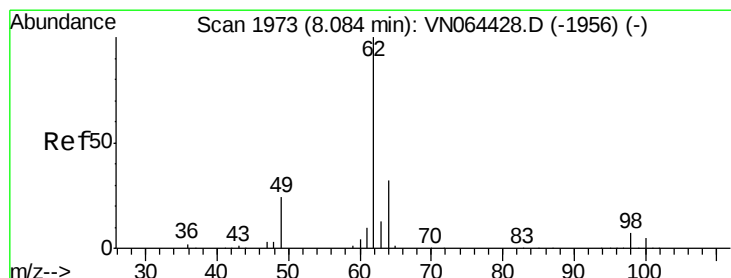
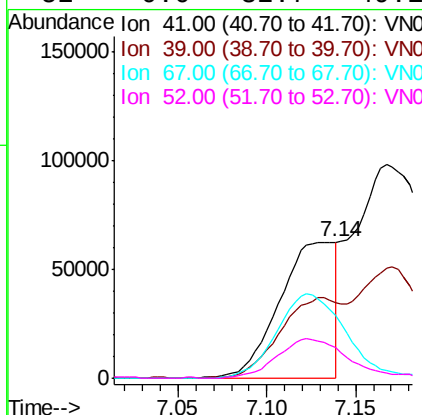
#41
Methacrylonitrile
Concen: 52.085 ug/l m
RT: 7.14 min Scan# 1679
Delta R.T. 0.02 min
Lab File: VN064450.D
Acq: 4 Nov 2020 20:51

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	0.0	50.0	75.0#	
67	0.0	68.3	102.5#	
52	0.0	32.7	49.1#	

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

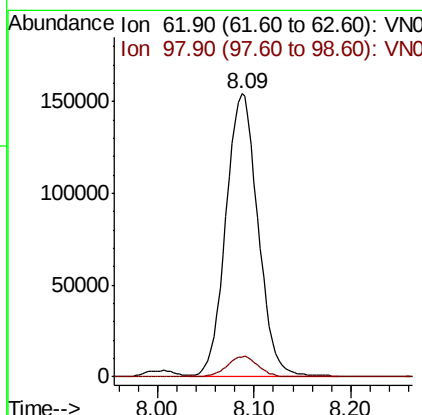
Manual Integrations
APPROVED

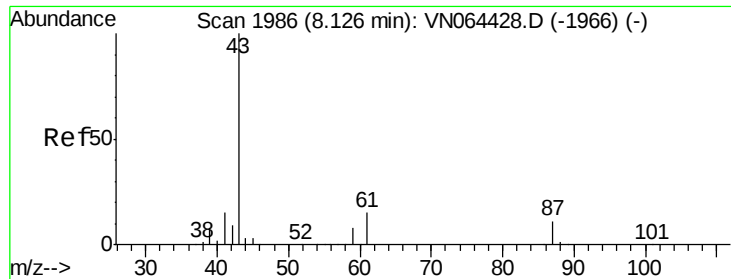
MMDadoda
11/5/2020 2:19:37 PM



#42
1,2-Dichloroethane
Concen: 50.703 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064450.D
Acq: 4 Nov 2020 20:51

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





#43

Isopropyl Acetate

Concen: 53.076 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN064450.D

Acq: 4 Nov 2020 20:51

Instrument :

MSVOA_N

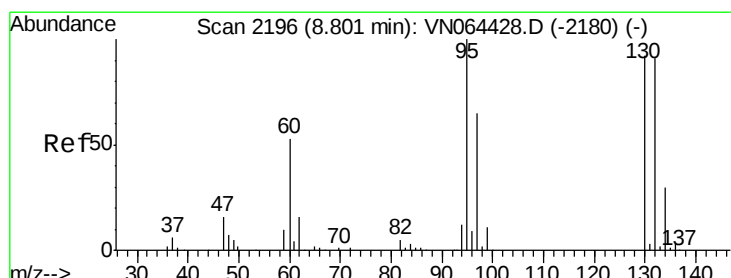
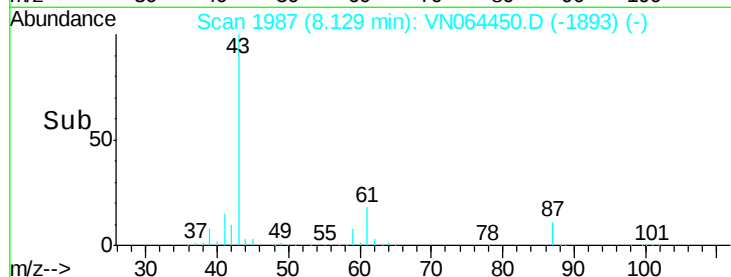
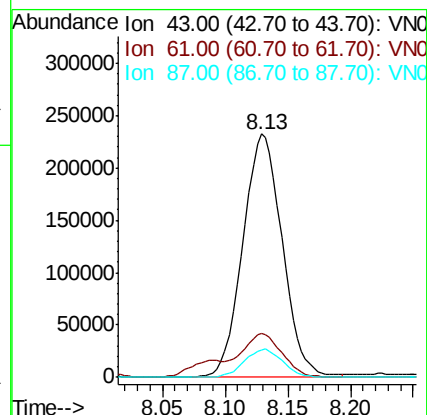
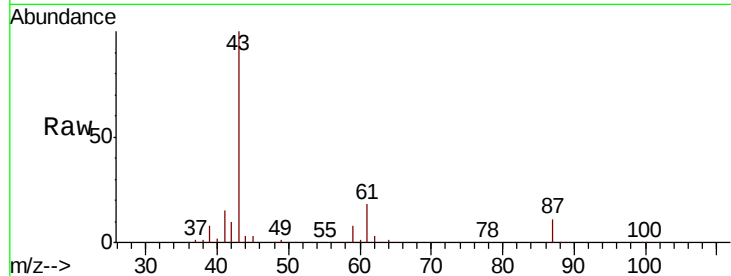
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	507506
Ion	Ratio	Lower	Upper
43	100		
61	17.5	14.0	21.0
87	11.4	9.1	13.7

Manual Integrations
APPROVED

MMDadoda
11/5/2020 2:19:37 PM



#44

Trichloroethene

Concen: 47.761 ug/l

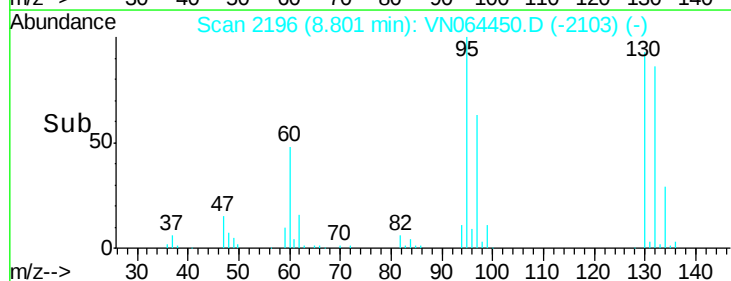
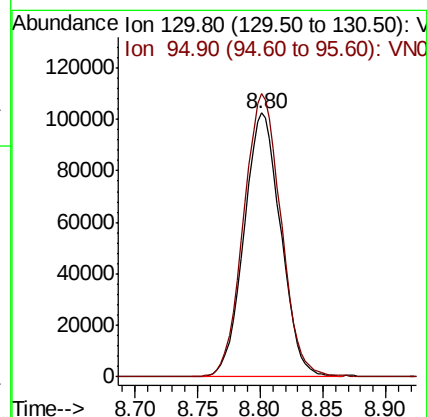
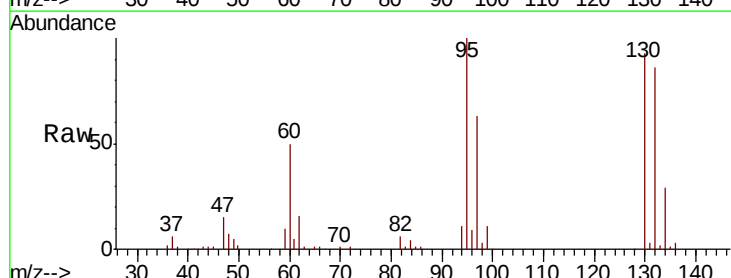
RT: 8.80 min Scan# 2196

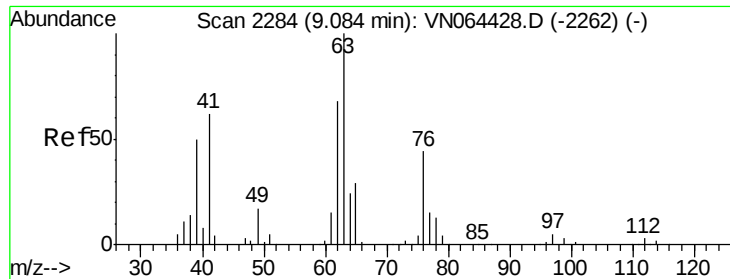
Delta R.T. -0.00 min

Lab File: VN064450.D

Acq: 4 Nov 2020 20:51

Tgt Ion:	130	Resp:	208924
Ion	Ratio	Lower	Upper
130	100		
95	107.3	0.0	216.8





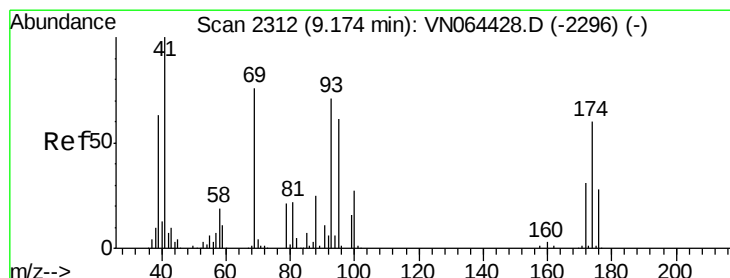
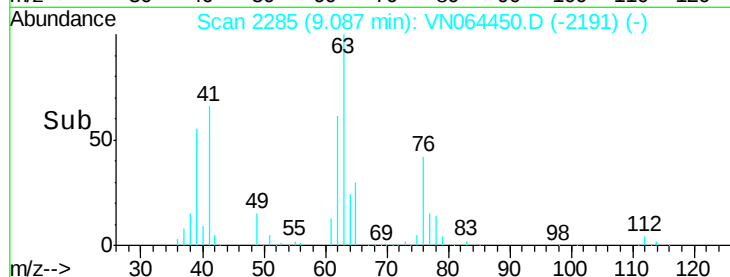
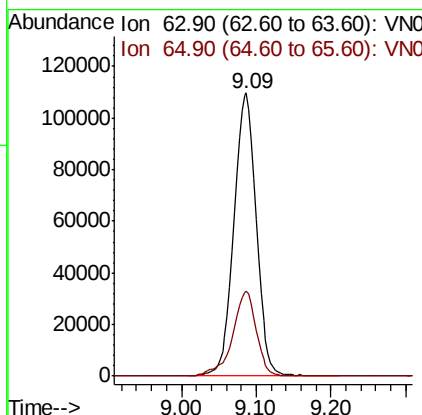
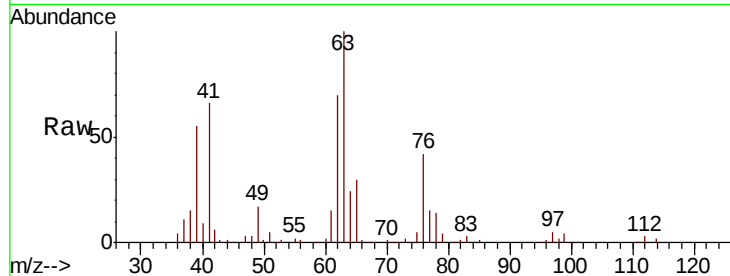
#45
 1,2-Dichloropropane
 Concen: 49.436 ug/l
 RT: 9.09 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN064450.D
 Acq: 4 Nov 2020 20:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 228700
 Ion Ratio Lower Upper
 63 100
 65 30.2 23.6 35.4

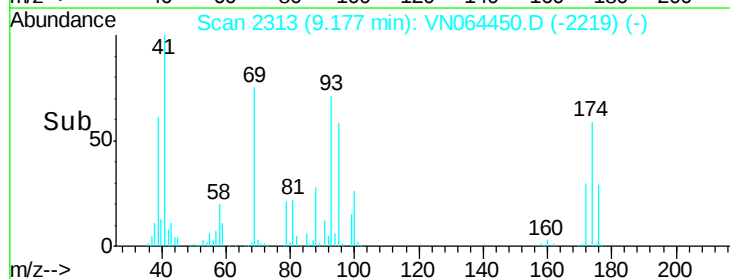
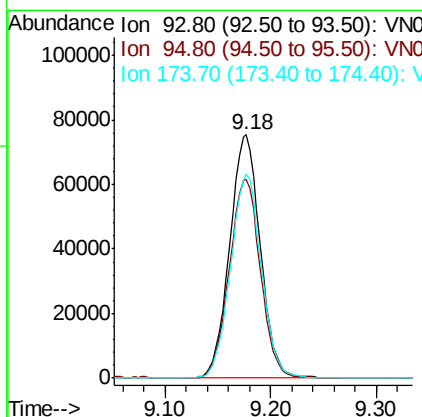
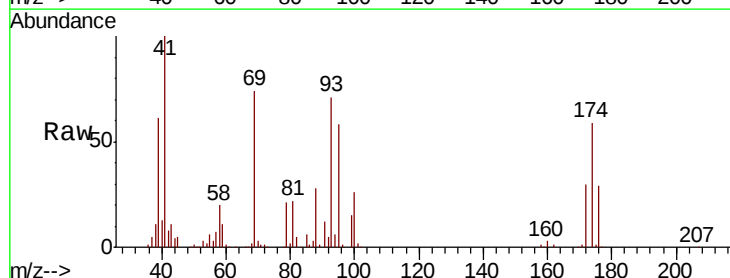
Manual Integrations
 APPROVED

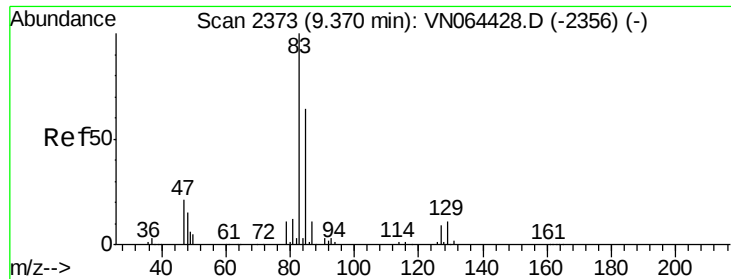
MMDadoda
 11/5/2020 2:19:37 PM



#46
 Dibromomethane
 Concen: 49.621 ug/l
 RT: 9.18 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN064450.D
 Acq: 4 Nov 2020 20:51

Tgt Ion: 93 Resp: 151114
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.4 99.6
 174 84.8 67.2 100.8





#47

Bromodichloromethane

Concen: 50.372 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN064450.D

Acq: 4 Nov 2020 20:51

Instrument :

MSVOA_N

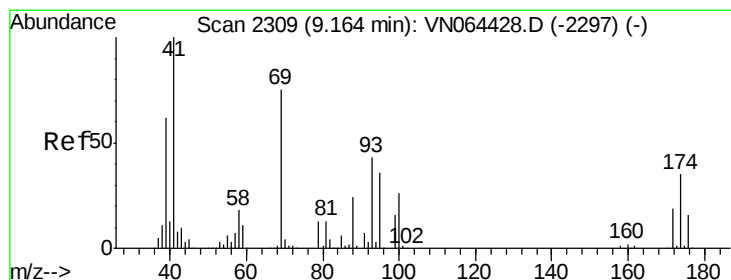
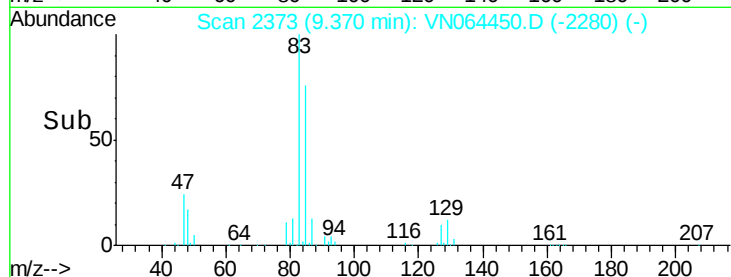
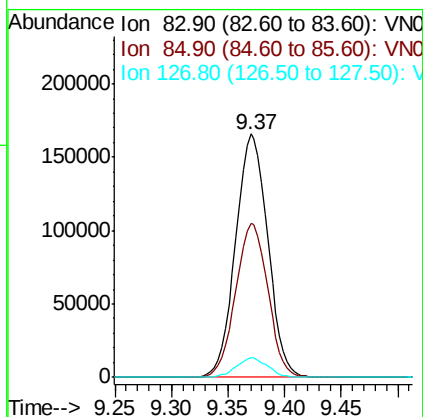
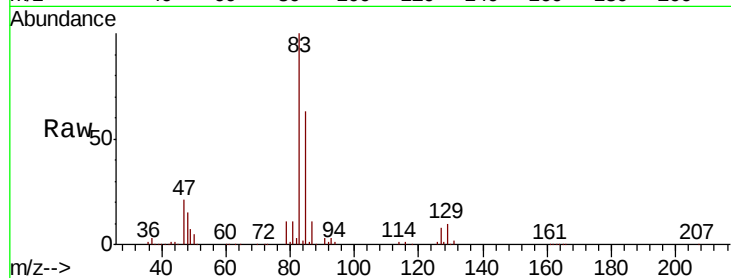
ClientSampleId :

VSTDCCC050EC

Tot Ion	83	Resp	329846
Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.2	76.8
127	8.2	6.9	10.3

Manual Integrations
APPROVED

MMDadoda
11/5/2020 2:19:37 PM



#48

Methyl methacrylate

Concen: 52.944 ug/l

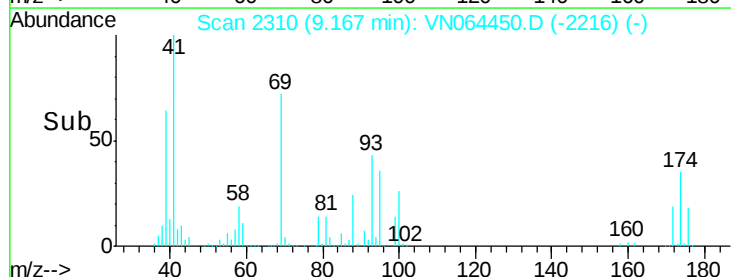
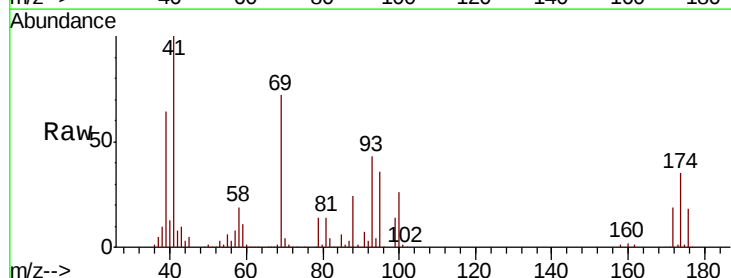
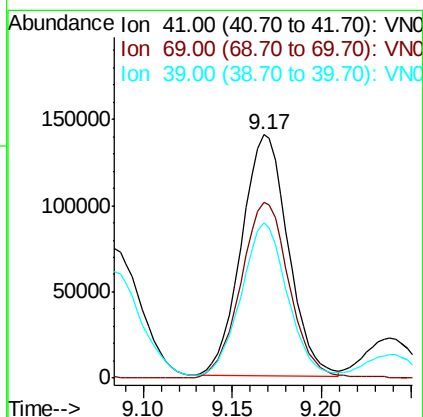
RT: 9.17 min Scan# 2310

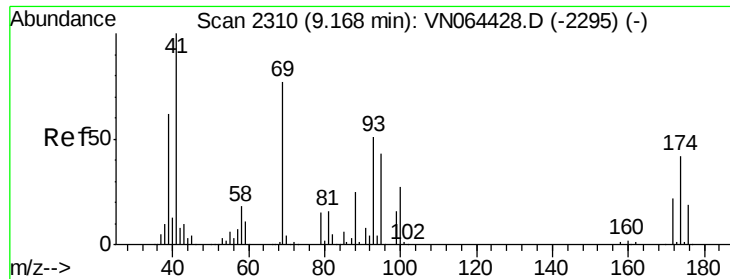
Delta R.T. 0.00 min

Lab File: VN064450.D

Acq: 4 Nov 2020 20:51

Tgt Ion	41	Resp	255454
Ion	Ratio	Lower	Upper
41	100		
69	76.0	60.4	90.6
39	64.2	51.2	76.8





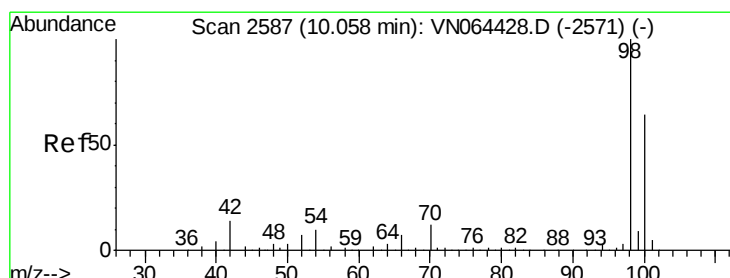
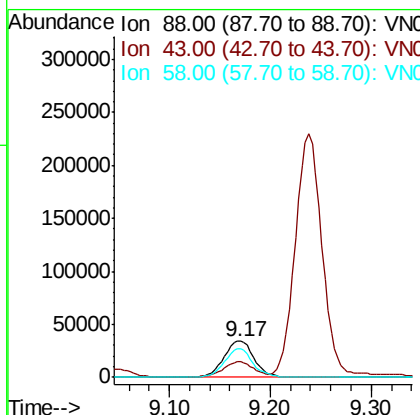
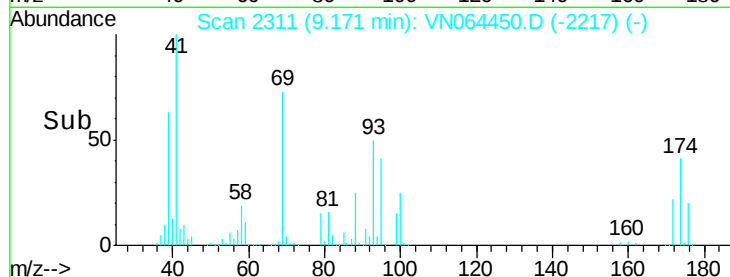
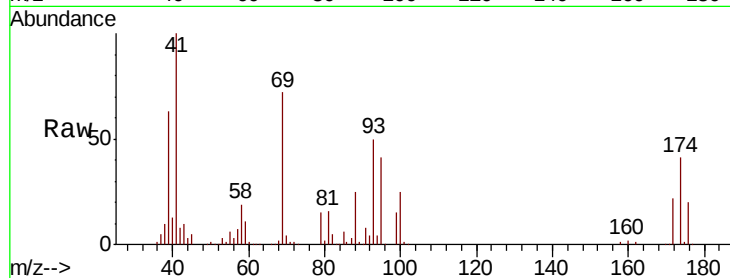
#49
1,4-Dioxane
Concen: 1136.133 ug/l
RT: 9.17 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN064450.D
Acq: 4 Nov 2020 20:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 72203
Ion Ratio Lower Upper
88 100
43 39.0 31.0 46.6
58 73.0 58.4 87.6

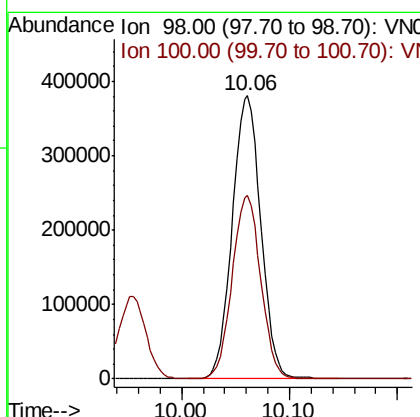
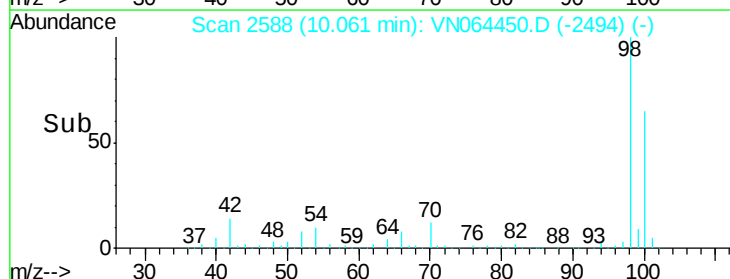
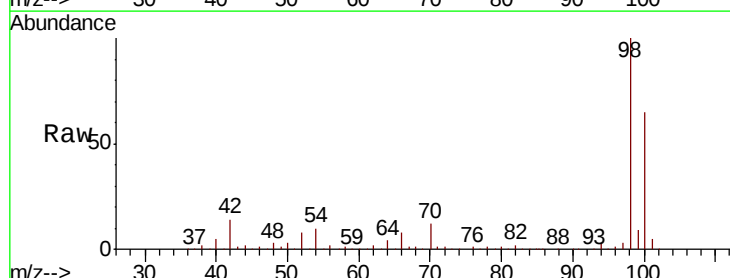
Manual Integrations
APPROVED

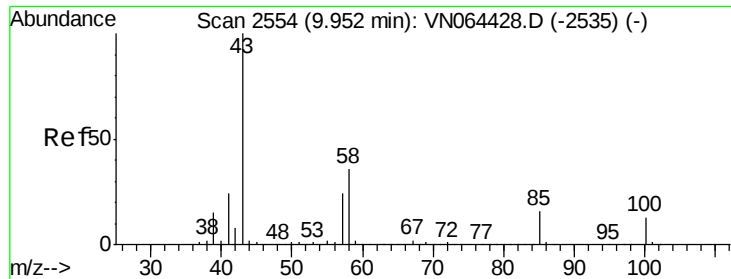
MMDadoda
11/5/2020 2:19:37 PM



#50
Toluene-d8
Concen: 47.681 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064450.D
Acq: 4 Nov 2020 20:51

Tgt Ion: 98 Resp: 700785
Ion Ratio Lower Upper
98 100
100 64.7 50.7 76.1





#51

4-Methyl-2-Pentanone

Concen: 282.167 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN064450.D

Acq: 4 Nov 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1573428

Ion Ratio Lower Upper

43 100

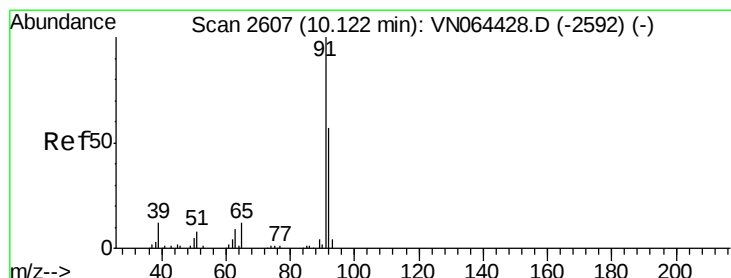
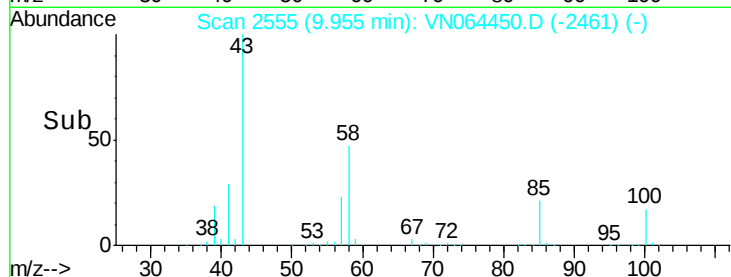
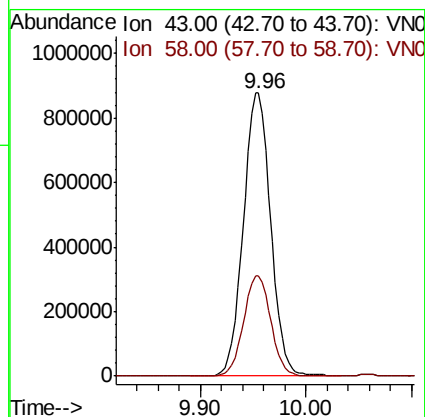
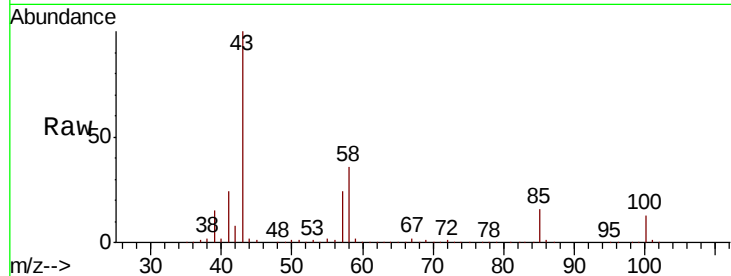
58 35.5 28.4 42.6

Manual Integrations

APPROVED

MMDadoda

11/5/2020 2:19:37 PM



#52

Toluene

Concen: 50.568 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064450.D

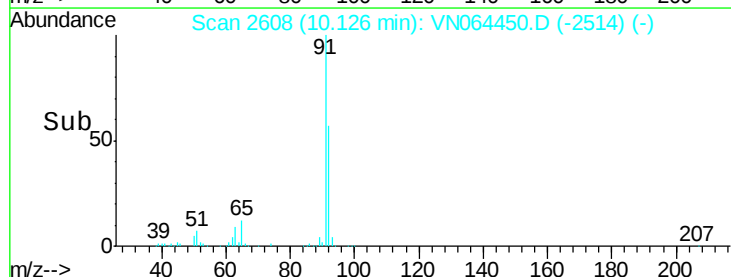
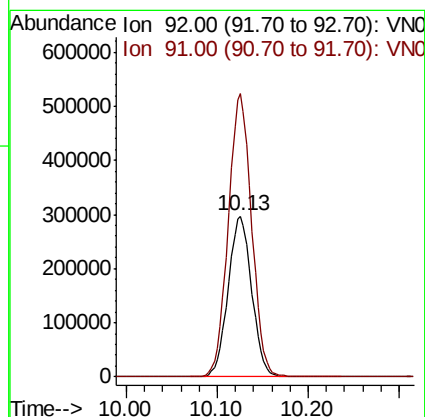
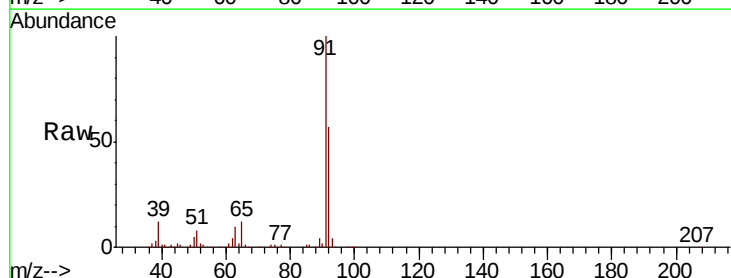
Acq: 4 Nov 2020 20:51

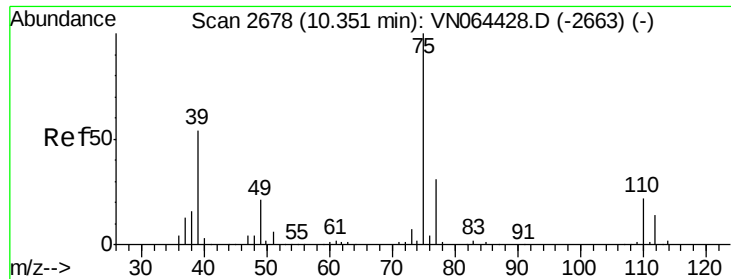
Tgt Ion: 92 Resp: 534746

Ion Ratio Lower Upper

92 100

91 174.6 139.6 209.4





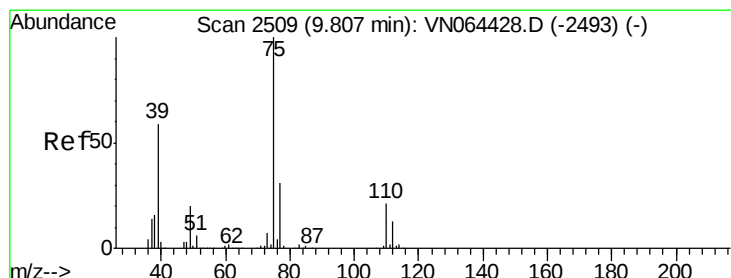
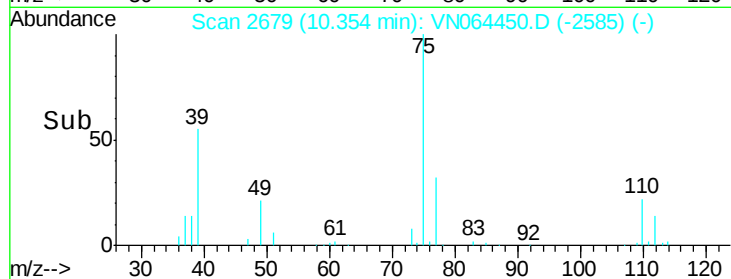
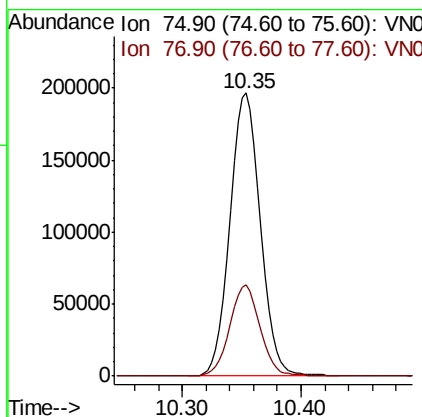
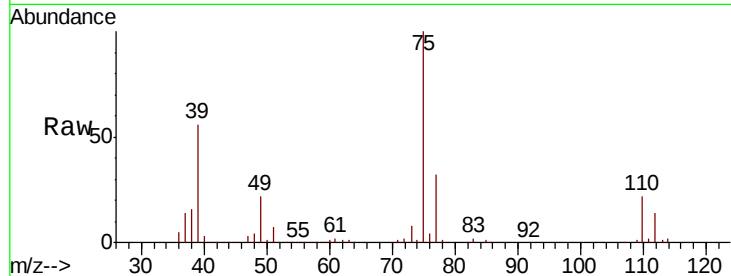
#53
t-1,3-Dichloropropene
Concen: 50.173 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN064450.D
Acq: 4 Nov 2020 20:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 348307
Ion Ratio Lower Upper
75 100
77 31.8 24.8 37.2

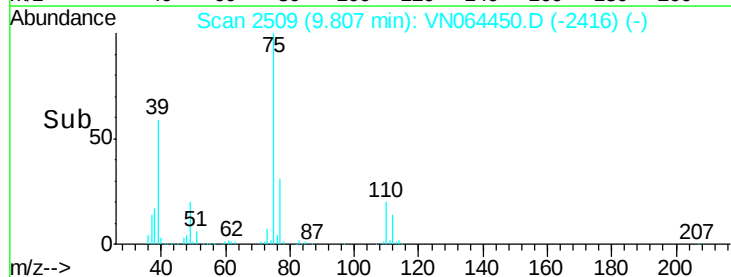
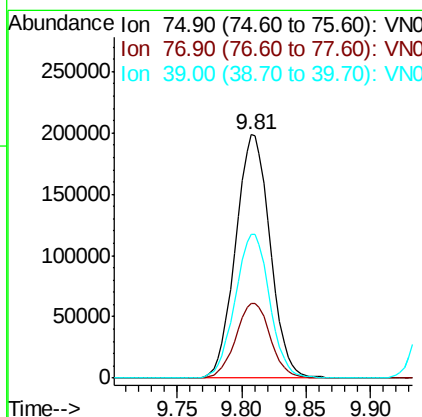
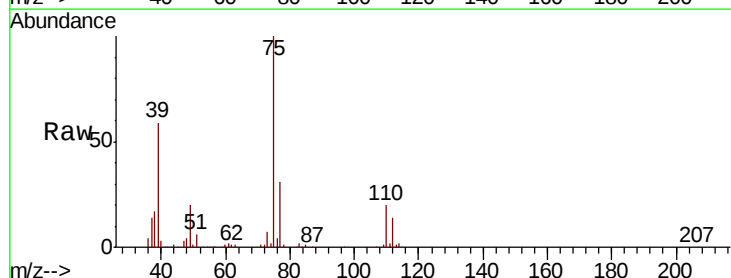
Manual Integrations
APPROVED

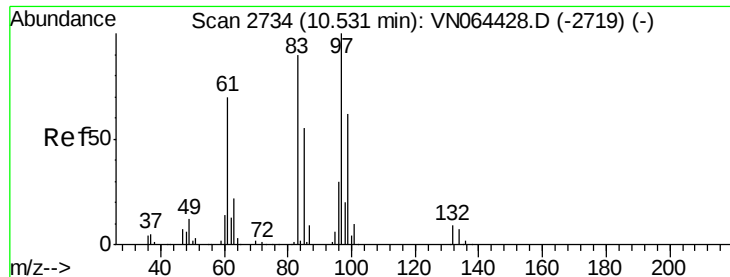
MMDadoda
11/5/2020 2:19:37 PM



#54
cis-1,3-Dichloropropene
Concen: 49.792 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN064450.D
Acq: 4 Nov 2020 20:51

Tgt Ion: 75 Resp: 369574
Ion Ratio Lower Upper
75 100
77 30.9 24.9 37.3
39 59.1 47.1 70.7





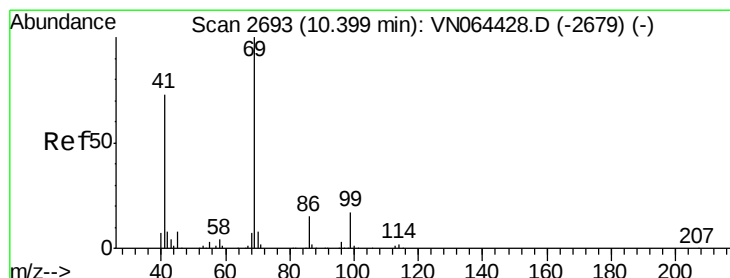
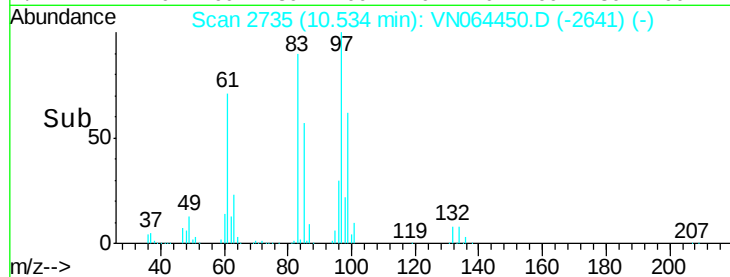
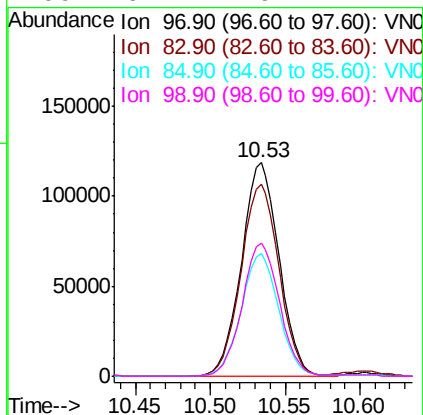
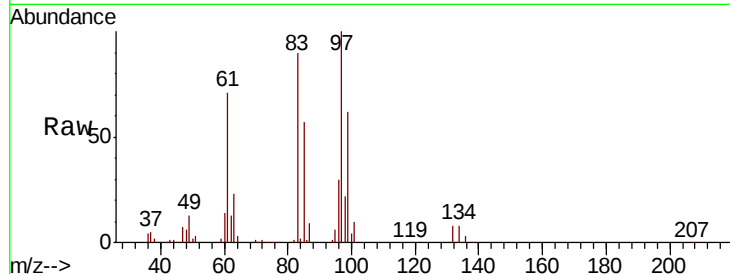
#55
 1,1,2-Trichloroethane
 Concen: 50.437 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064450.D
 Acq: 4 Nov 2020 20:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
97	100	208006		
83	89.7		71.7	107.5
85	57.3		44.3	66.5
99	62.2		49.4	74.2

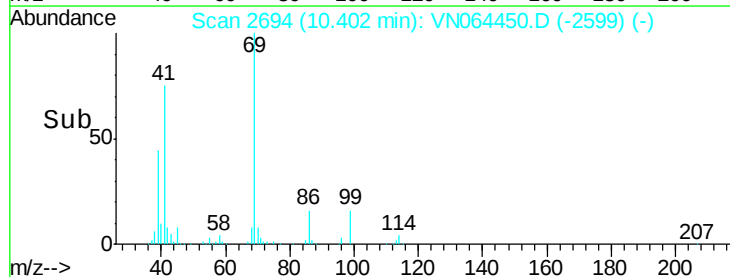
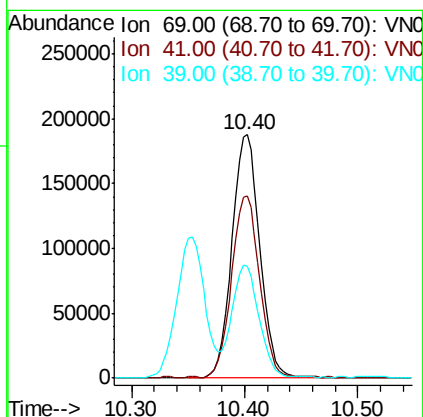
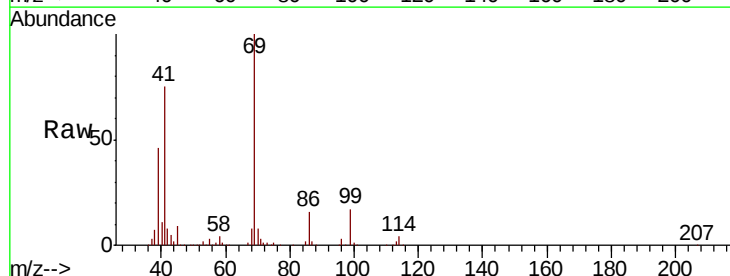
Manual Integrations
 APPROVED

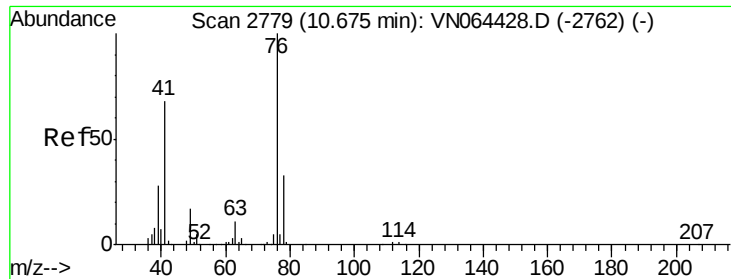
MMDadoda
 11/5/2020 2:19:37 PM



#56
 Ethyl methacrylate
 Concen: 47.513 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN064450.D
 Acq: 4 Nov 2020 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	321749		
41	74.6		59.3	88.9
39	45.3		35.4	53.0





#57

1,3-Dichloropropane

Concen: 50.620 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN064450.D

Acq: 4 Nov 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 364386

Ion Ratio Lower Upper

76 100

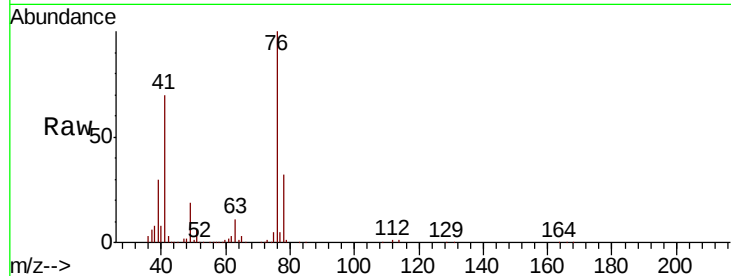
78 32.9 25.8 38.6

Manual Integrations

APPROVED

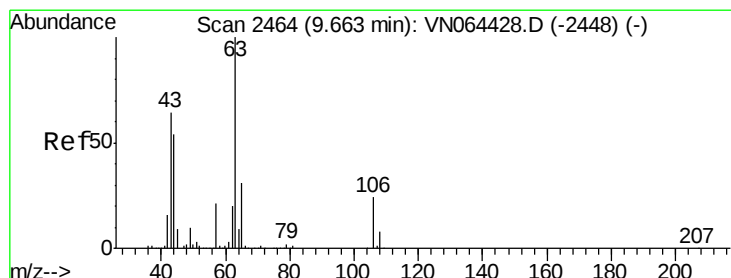
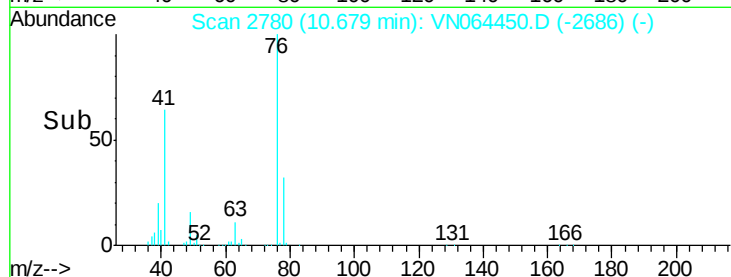
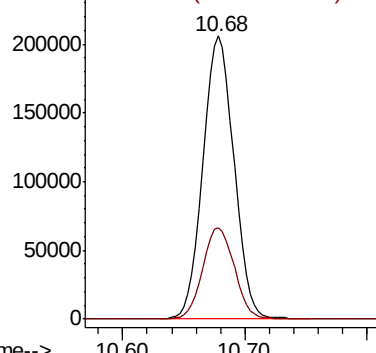
MMDadoda

11/5/2020 2:19:37 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 260.913 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064450.D

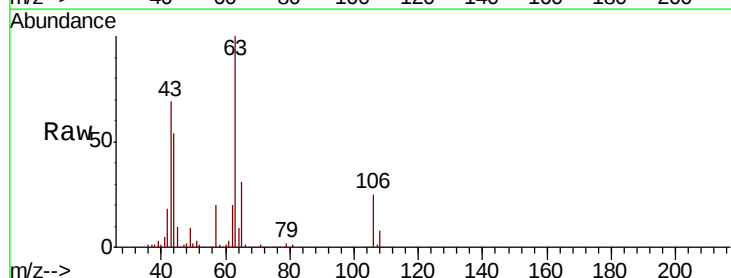
Acq: 4 Nov 2020 20:51

Tgt Ion: 63 Resp: 839840

Ion Ratio Lower Upper

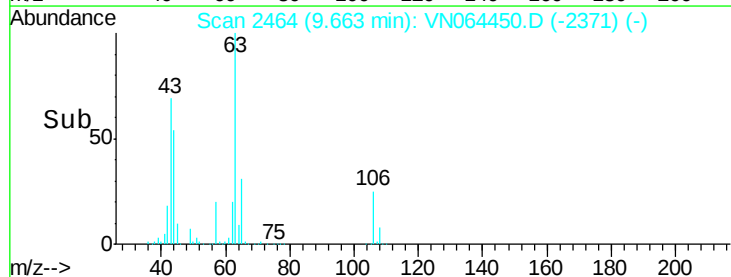
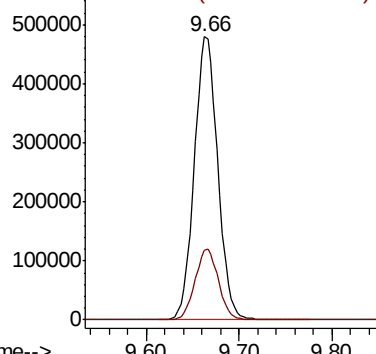
63 100

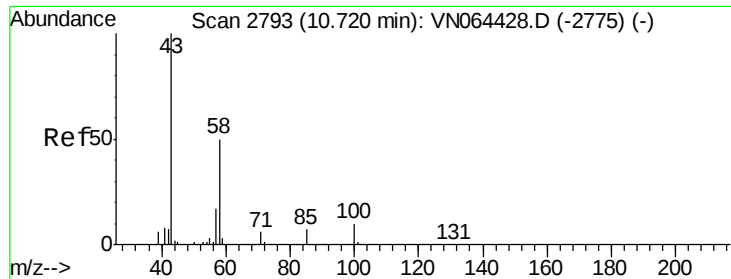
106 25.0 19.5 29.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





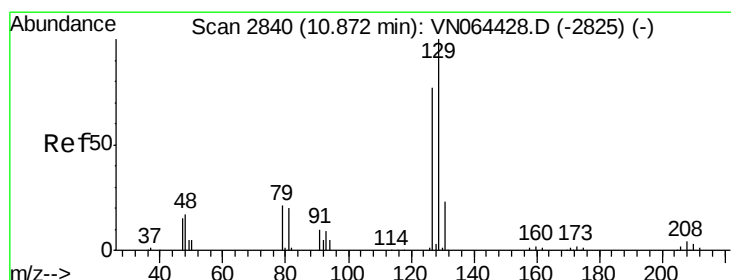
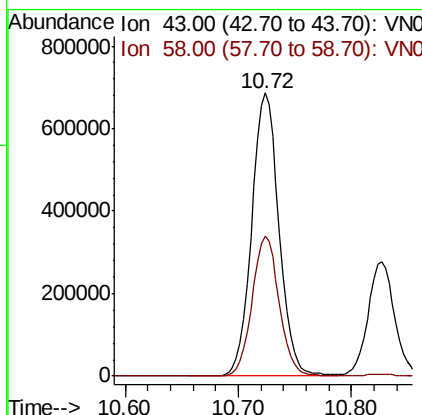
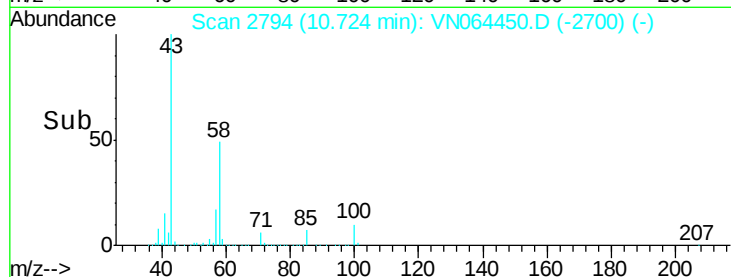
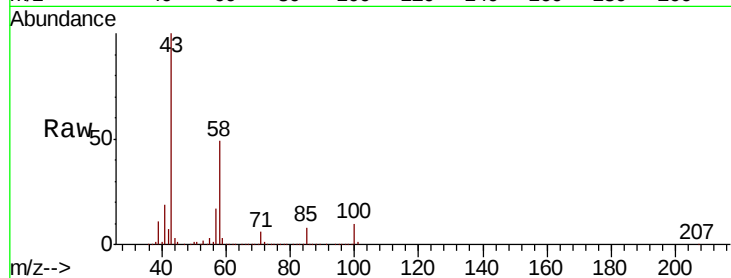
#59
2-Hexanone
Concen: 252.480 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064450.D
Acq: 4 Nov 2020 20:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1148231
Ion Ratio Lower Upper
43 100
58 49.1 24.7 74.1

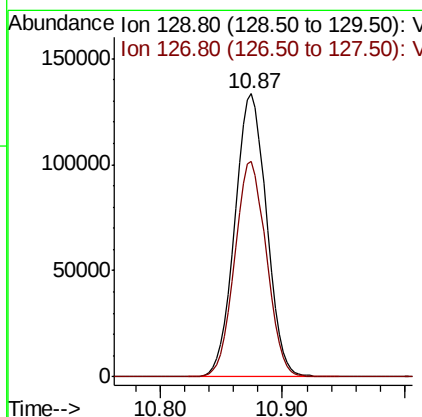
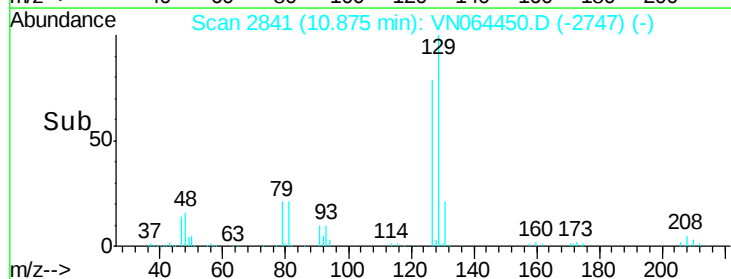
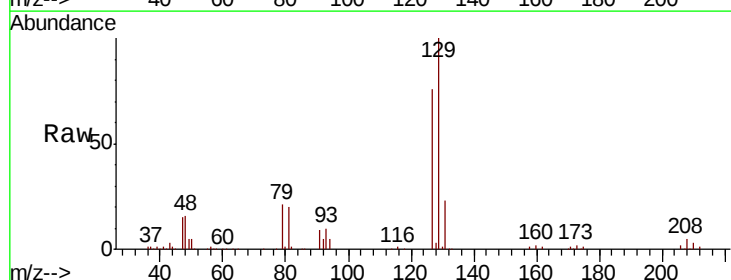
Manual Integrations
APPROVED

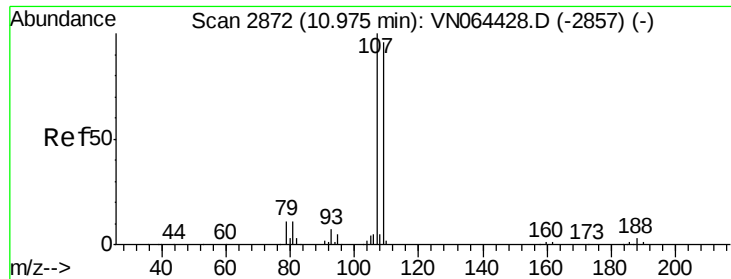
MMDadoda
11/5/2020 2:19:37 PM



#60
Dibromochloromethane
Concen: 52.080 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN064450.D
Acq: 4 Nov 2020 20:51

Tgt Ion: 129 Resp: 240472
Ion Ratio Lower Upper
129 100
127 76.0 38.9 116.7





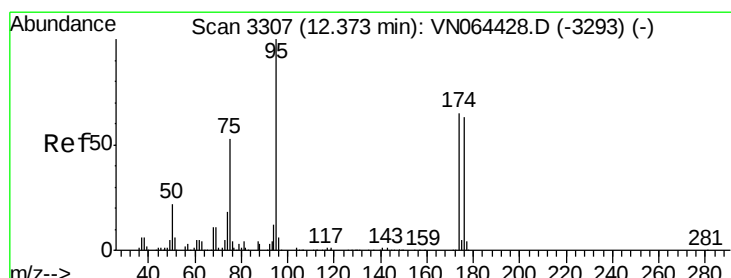
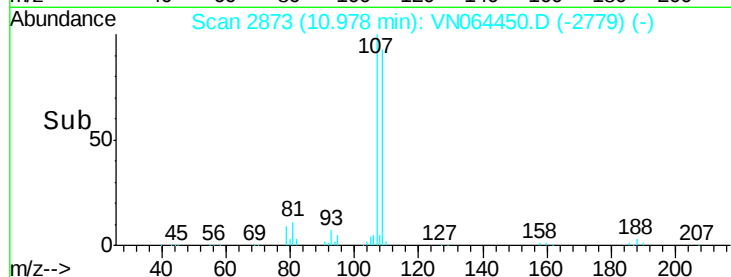
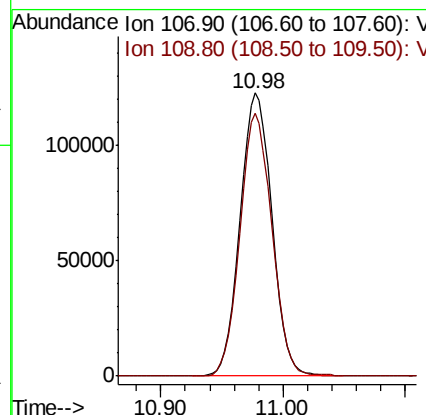
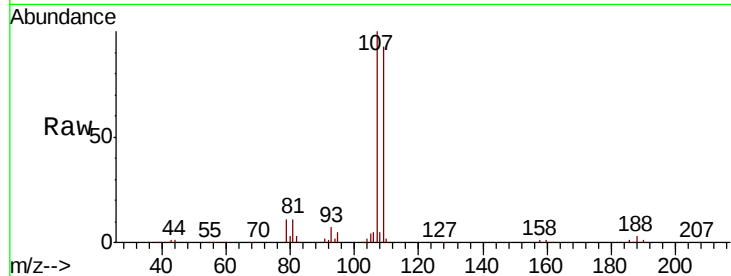
#61
 1,2-Dibromoethane
 Concen: 52.843 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064450.D
 Acq: 4 Nov 2020 20:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	75.9	113.9

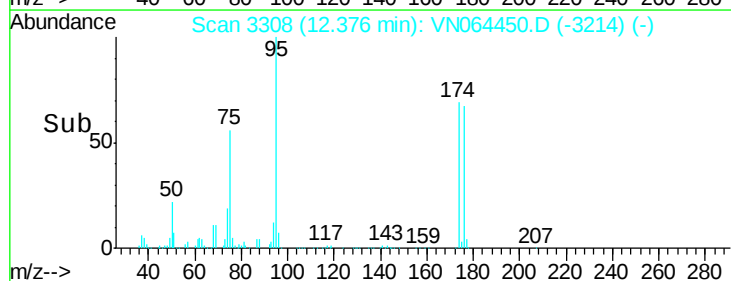
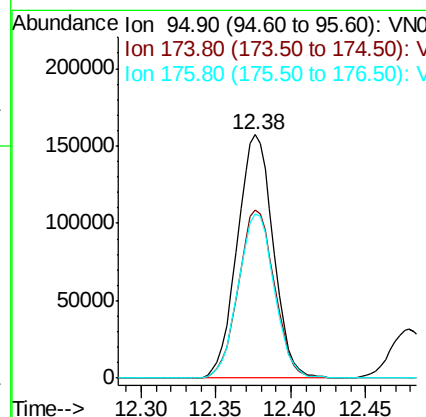
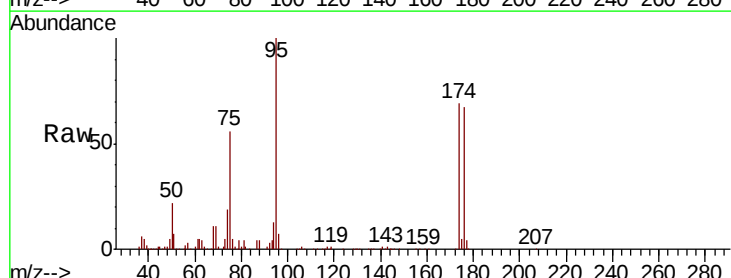
Manual Integrations
 APPROVED

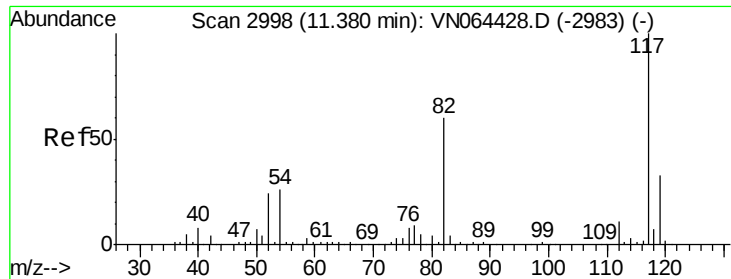
MMDadoda
 11/5/2020 2:19:37 PM



#62
 4-Bromofluorobenzene
 Concen: 47.556 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064450.D
 Acq: 4 Nov 2020 20:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	69.5	0.0	132.6
176	67.7	0.0	129.2





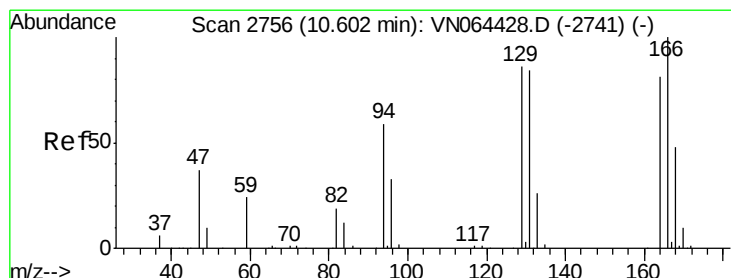
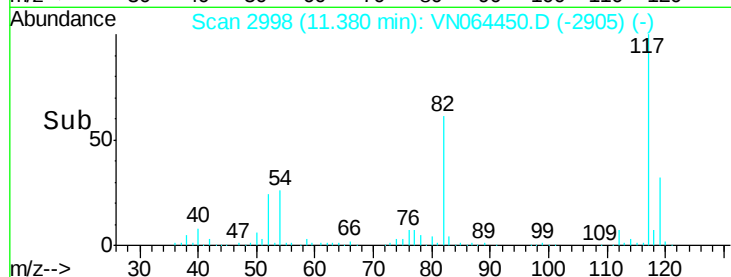
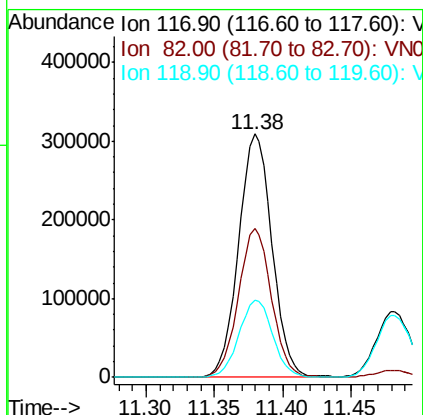
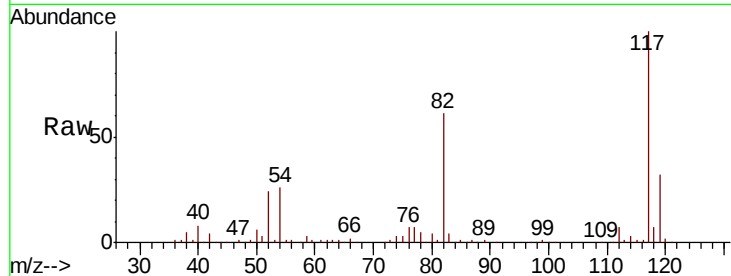
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064450.D
Acq: 4 Nov 2020 20:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.1	48.1	72.1
119	31.7	26.2	39.4

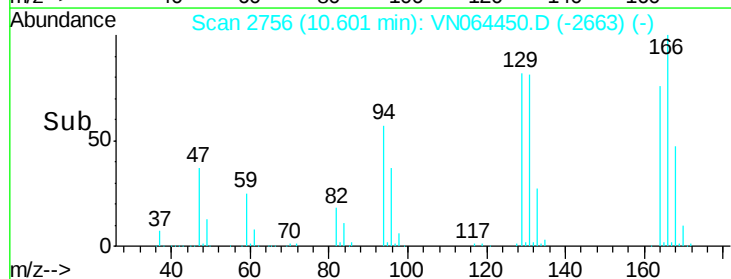
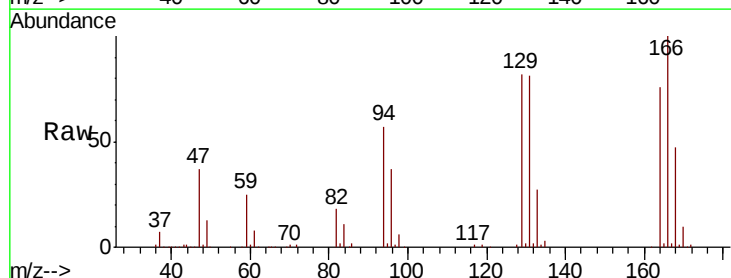
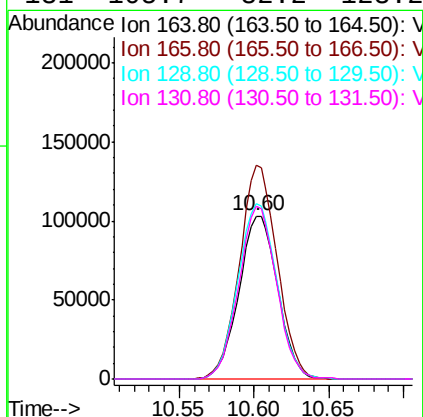
Manual Integrations
APPROVED

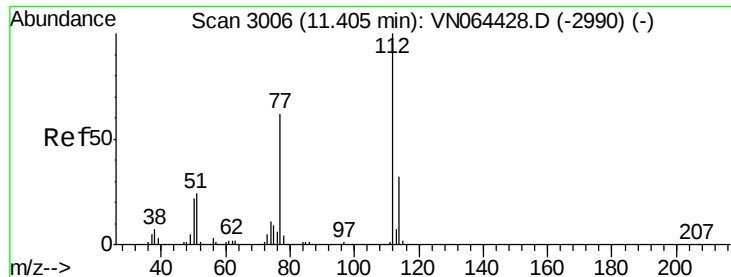
MMDadoda
11/5/2020 2:19:37 PM



#64
Tetrachloroethene
Concen: 45.806 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064450.D
Acq: 4 Nov 2020 20:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.1	98.2	147.2
129	107.2	84.6	127.0
131	105.7	82.2	123.2





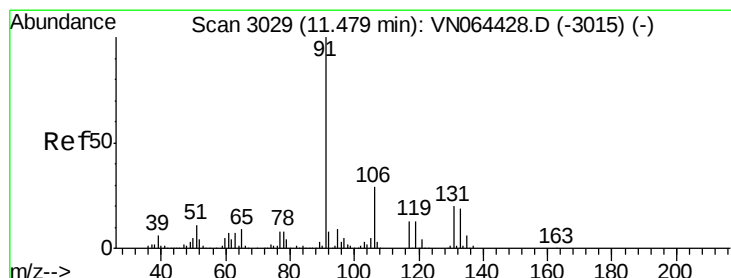
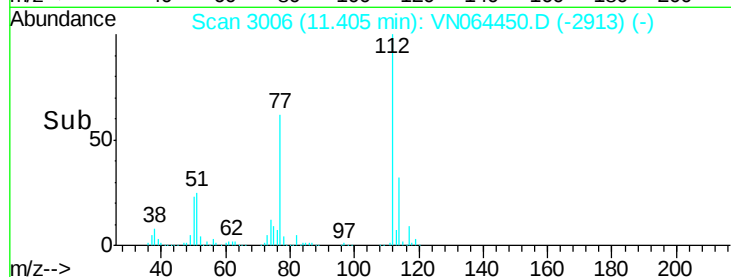
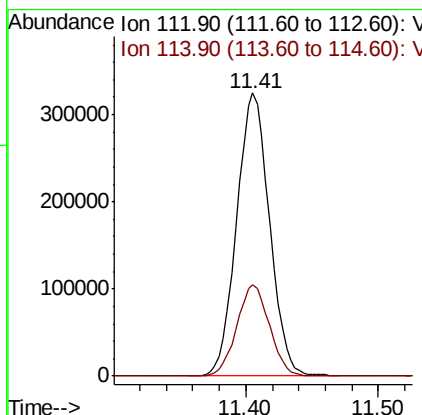
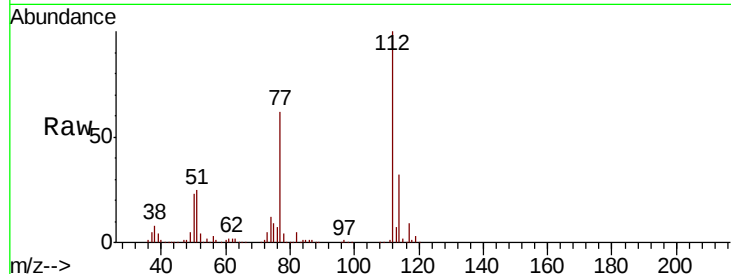
#65
Chlorobenzene
Concen: 48.490 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064450.D
Acq: 4 Nov 2020 20:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.6	38.4

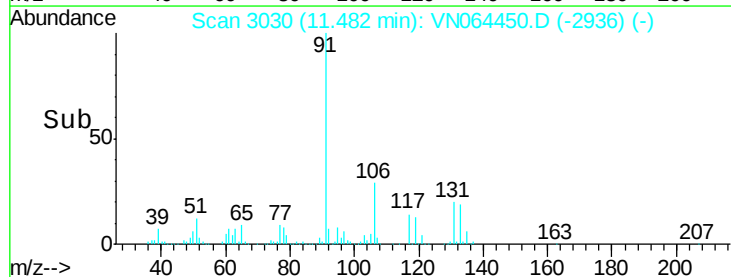
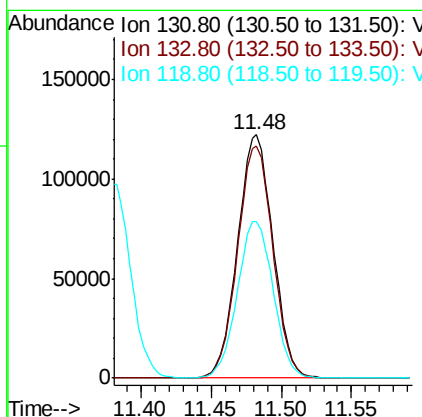
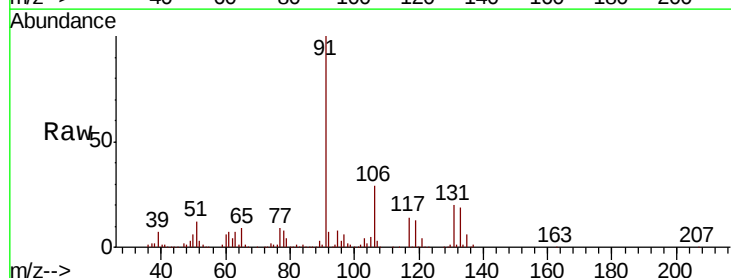
Manual Integrations
APPROVED

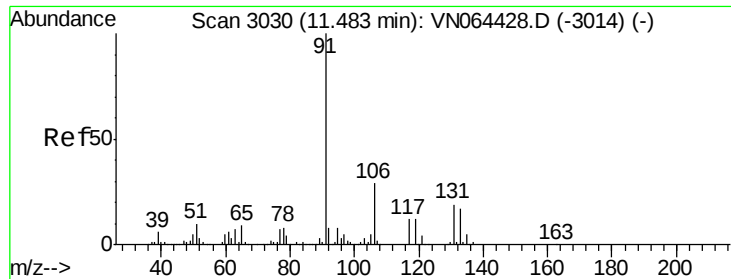
MMDadoda
11/5/2020 2:19:37 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.880 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064450.D
Acq: 4 Nov 2020 20:51

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	46.9	140.7
119	65.5	32.1	96.5





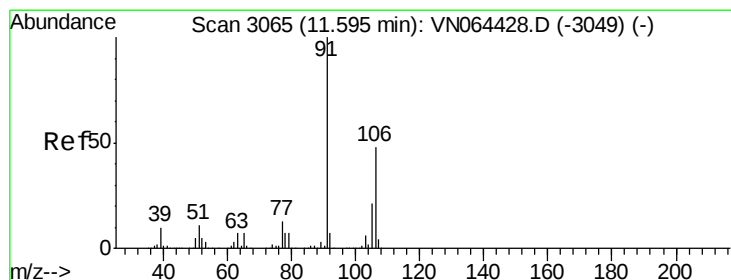
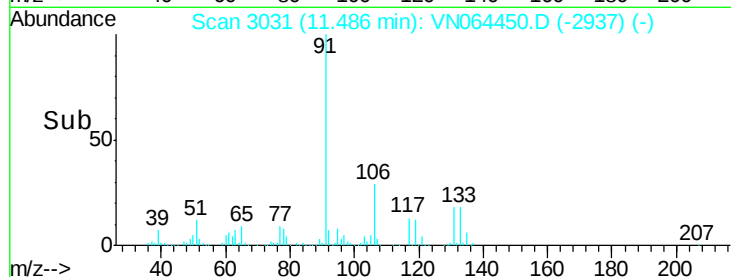
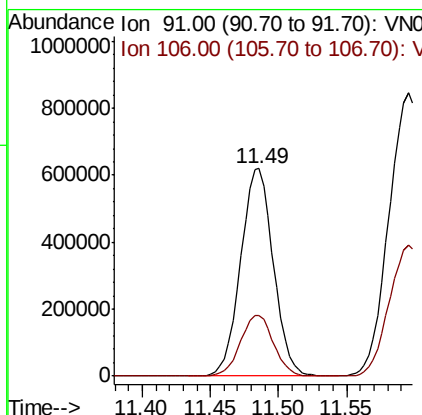
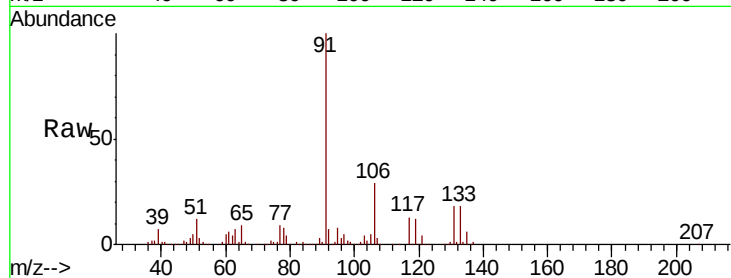
#67
Ethyl Benzene
Concen: 50.339 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN064450.D
Acq: 4 Nov 2020 20:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1033483
Ion Ratio Lower Upper
91 100
106 29.4 23.6 35.4

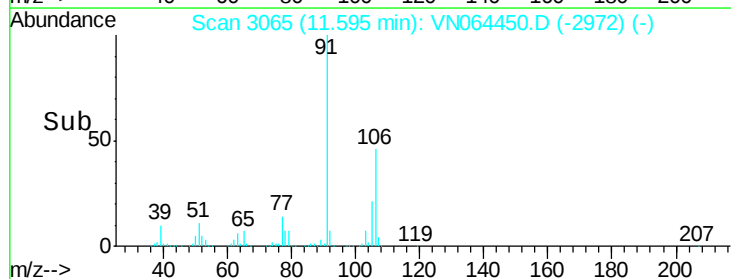
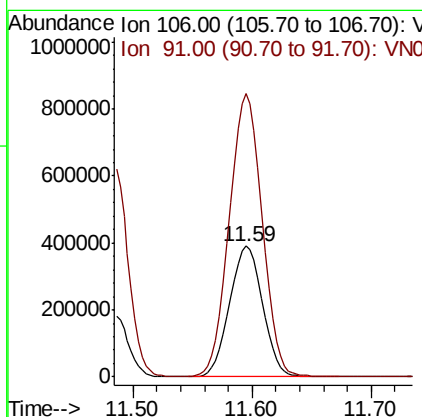
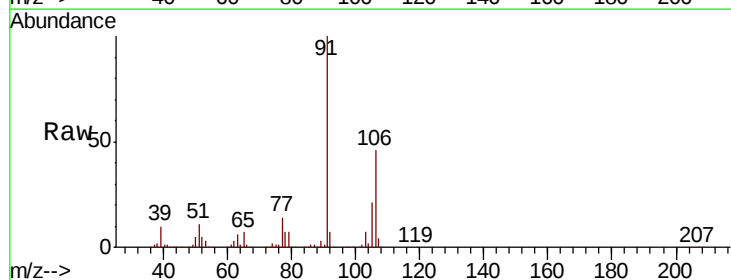
Manual Integrations
APPROVED

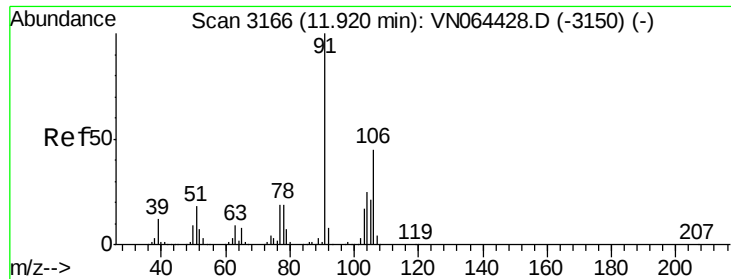
MMDadoda
11/5/2020 2:19:37 PM



#68
m/p-Xylenes
Concen: 100.913 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064450.D
Acq: 4 Nov 2020 20:51

Tgt Ion: 106 Resp: 751360
Ion Ratio Lower Upper
106 100
91 215.8 169.4 254.2





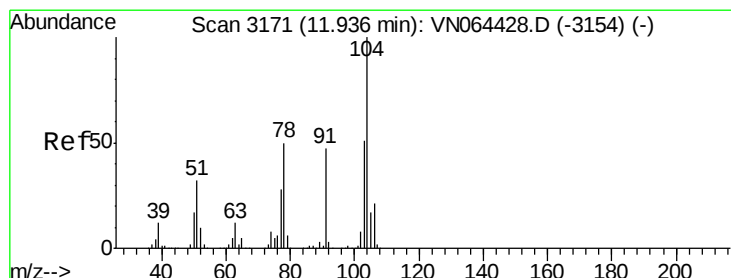
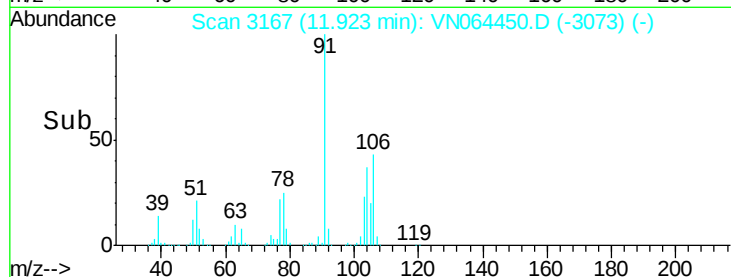
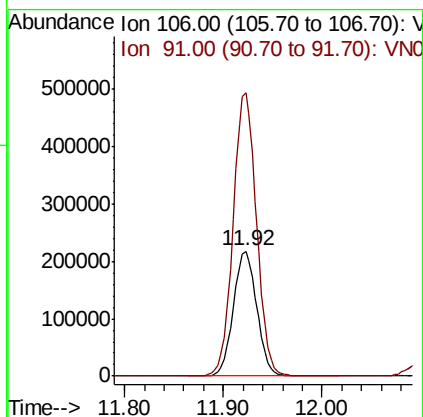
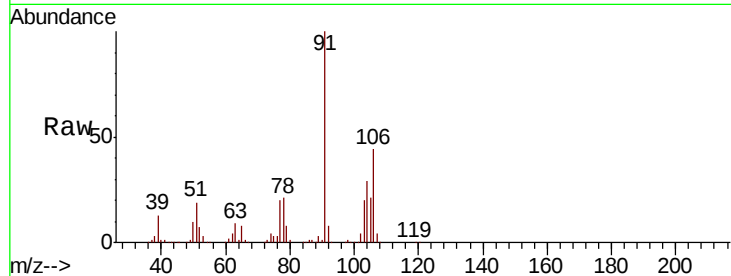
#69
o-Xylene
Concen: 50.184 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064450.D
Acq: 4 Nov 2020 20:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
361067	106			
106	100			
91	225.0	111.7	334.9	

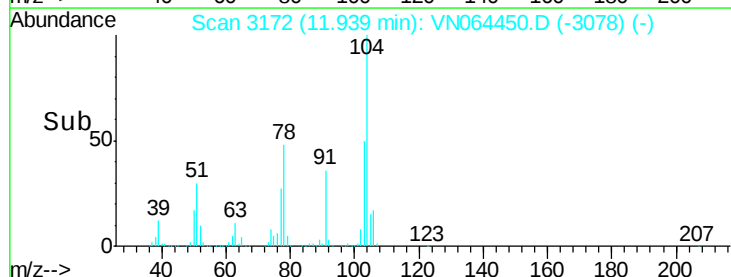
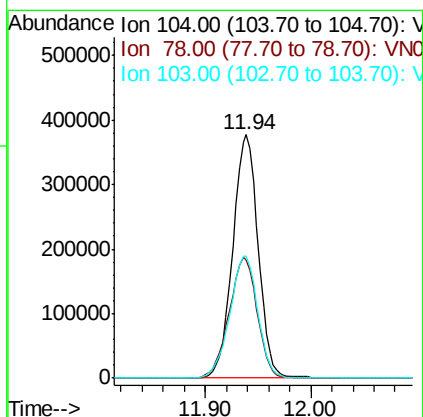
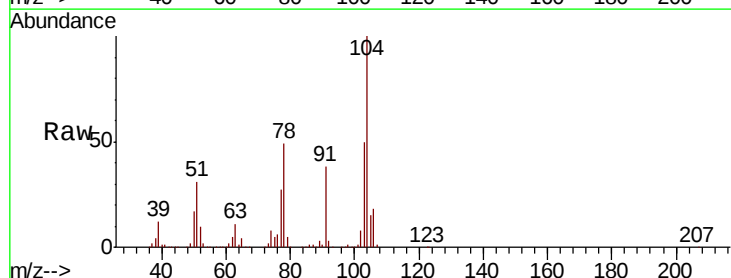
Manual Integrations
APPROVED

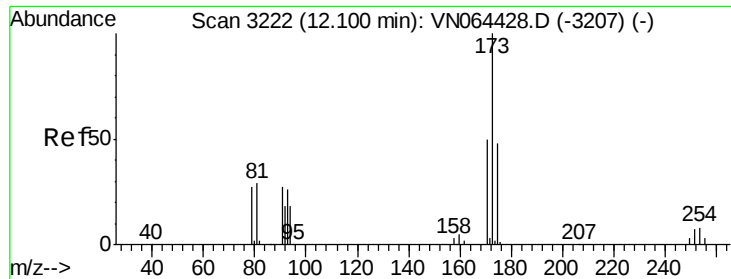
MMDadoda
11/5/2020 2:19:37 PM



#70
Styrene
Concen: 51.983 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064450.D
Acq: 4 Nov 2020 20:51

Tgt Ion	Ion	Ratio	Lower	Upper
629355	104			
104	100			
78	54.9	44.0	66.0	
103	55.2	43.8	65.6	





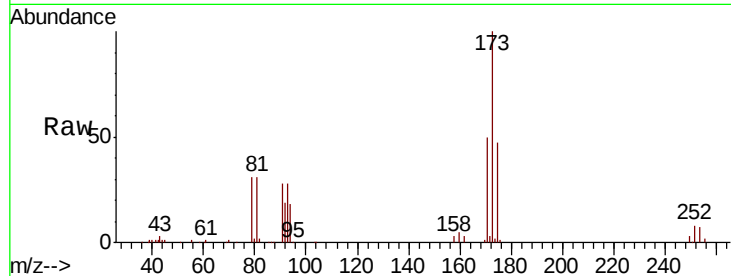
#71
Bromoform
Concen: 48.868 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN064450.D
Acq: 4 Nov 2020 20:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.5	23.7	71.1
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
11/5/2020 2:19:37 PM

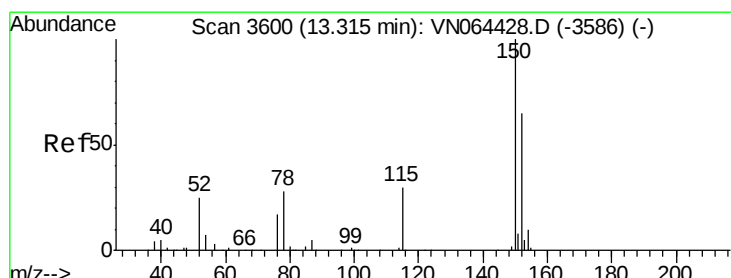
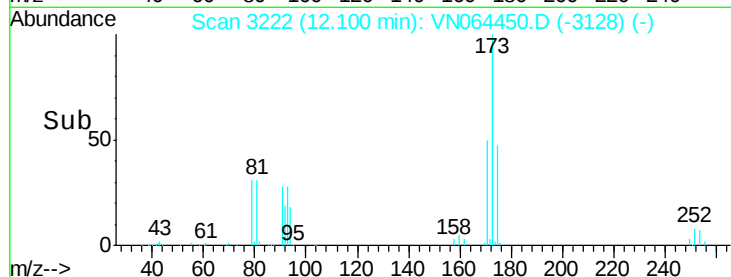
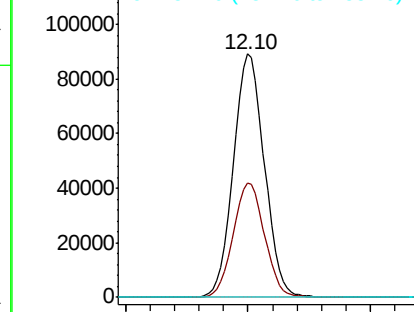


Abundance

Ion 172.70 (172.40 to 173.40): V

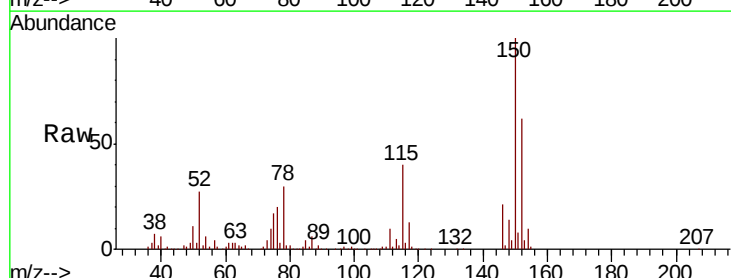
Ion 174.70 (174.40 to 175.40): V

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: VN064450.D
Acq: 4 Nov 2020 20:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.7	32.0	96.0
150	176.0	0.0	353.8

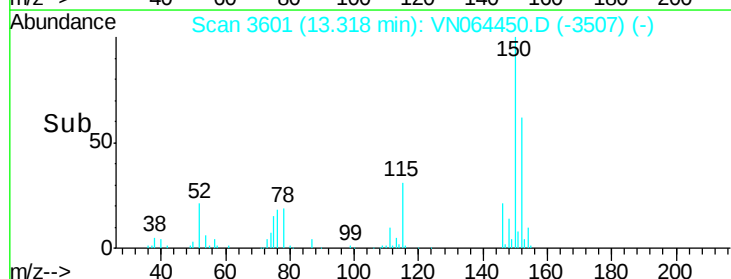
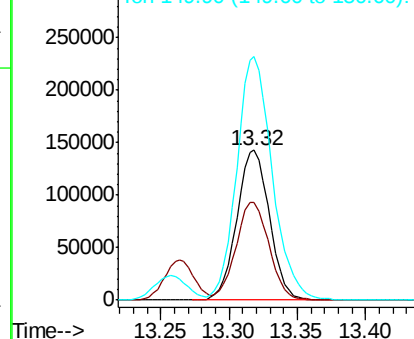


Abundance

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: 49.751 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064450.D

Acq: 4 Nov 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 938928

Ion Ratio Lower Upper

105 100

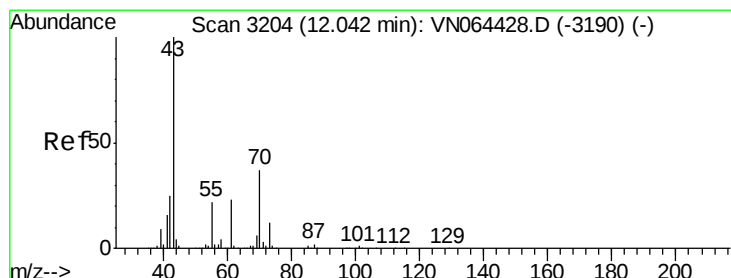
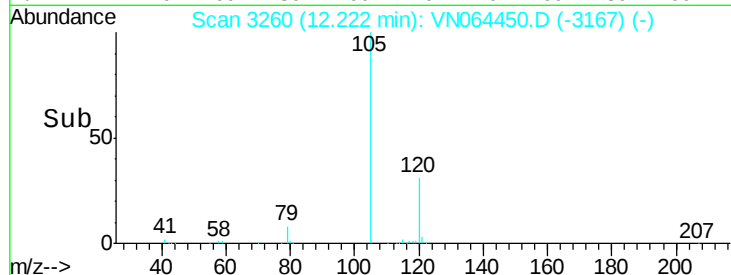
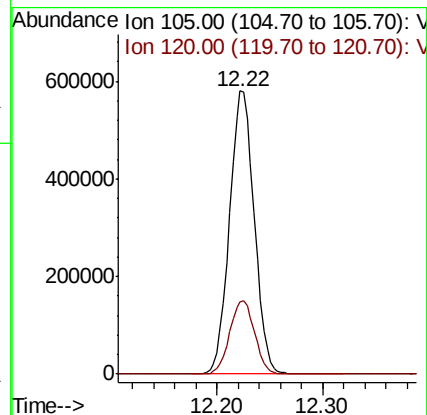
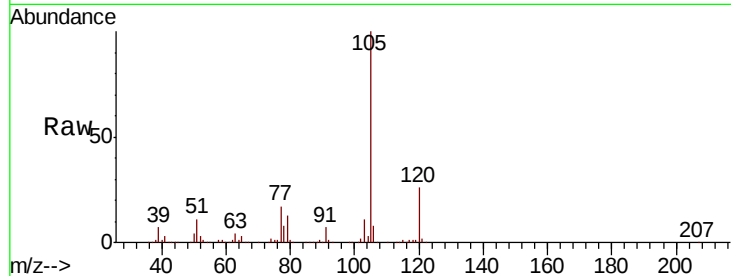
120 26.2 12.8 38.3

Manual Integrations

APPROVED

MMDadoda

11/5/2020 2:19:37 PM



#74

N-ethyl acetate

Concen: 49.900 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064450.D

Acq: 4 Nov 2020 20:51

Tgt Ion: 43 Resp: 456727

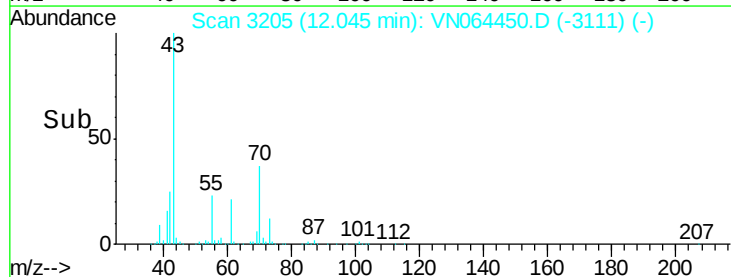
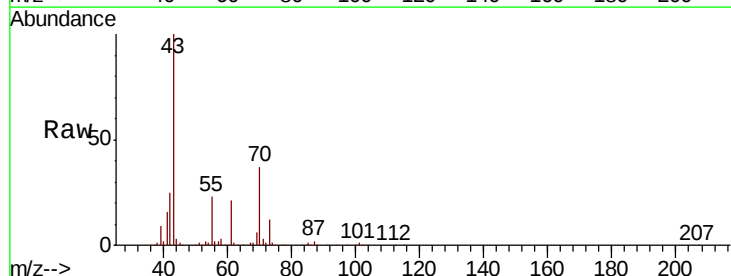
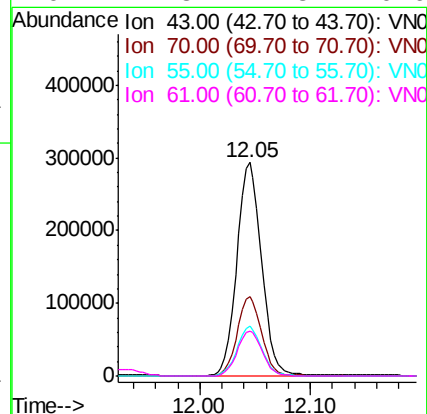
Ion Ratio Lower Upper

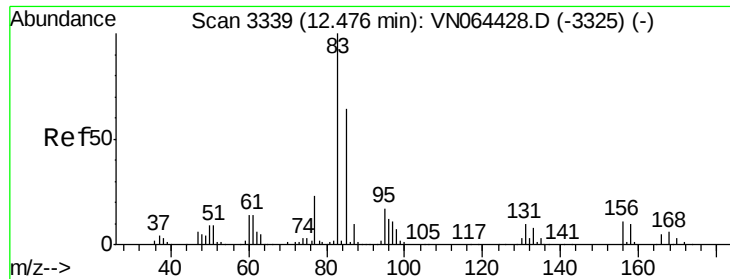
43 100

70 36.8 29.6 44.4

55 23.3 18.4 27.6

61 21.3 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 51.971 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064450.D

Acq: 4 Nov 2020 20:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 301263

Ion Ratio Lower Upper

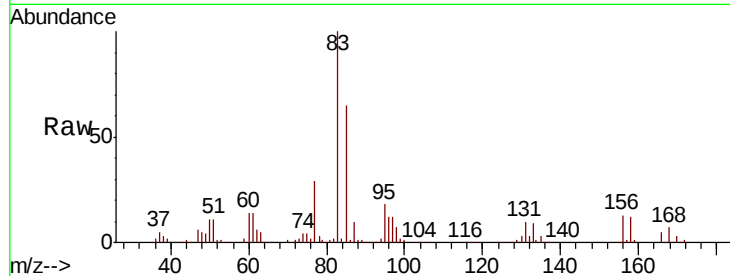
83 100

131 9.8 4.9 14.7

85 64.7 32.1 96.5

Manual Integrations
APPROVED

MMDadoda
11/5/2020 2:19:37 PM



Abundance Ion 82.90 (82.60 to 83.60): VN064428.D (-3325) (-)

Ion 130.80 (130.50 to 131.50): VN064428.D (-3325) (-)

Ion 84.90 (84.60 to 85.60): VN064428.D (-3325) (-)

12.48

200000

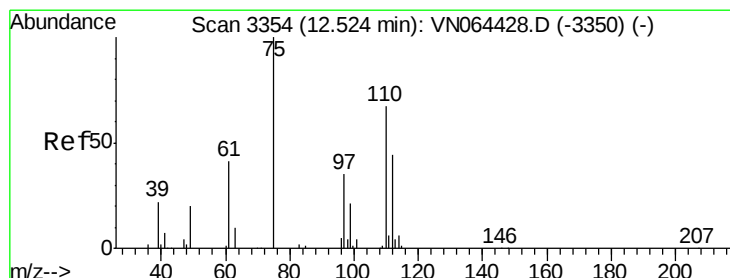
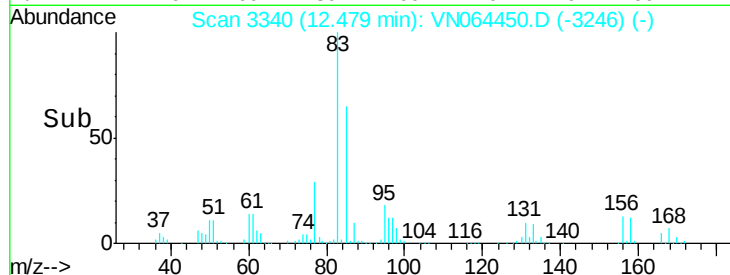
150000

100000

50000

0

Time--> 12.40 12.45 12.50



#76

1,2,3-Trichloropropane

Concen: 50.520 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064450.D

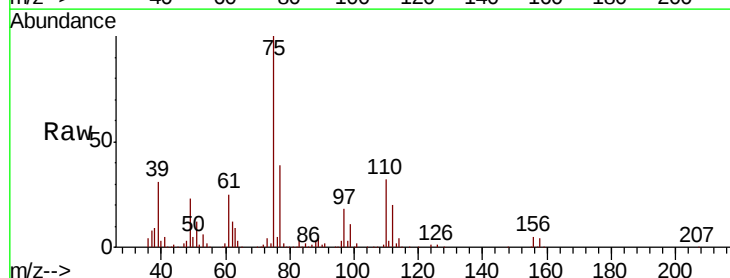
Acq: 4 Nov 2020 20:51

Tgt Ion: 75 Resp: 290645

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN064428.D (-3350) (-)

Ion 77.00 (76.70 to 77.70): VN064428.D (-3350) (-)

300000

250000

200000

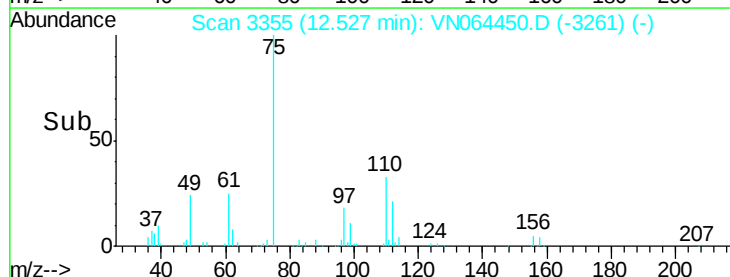
150000

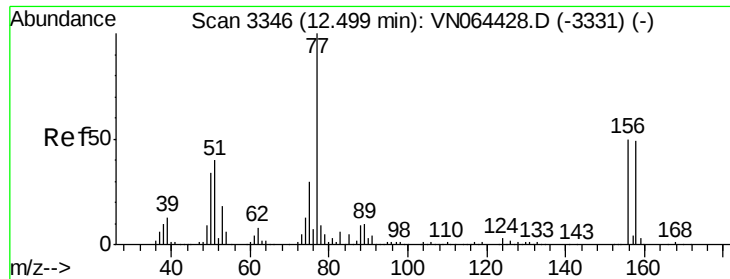
100000

50000

0

Time--> 12.50 12.55





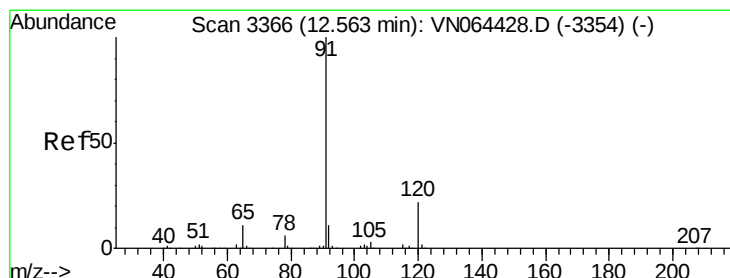
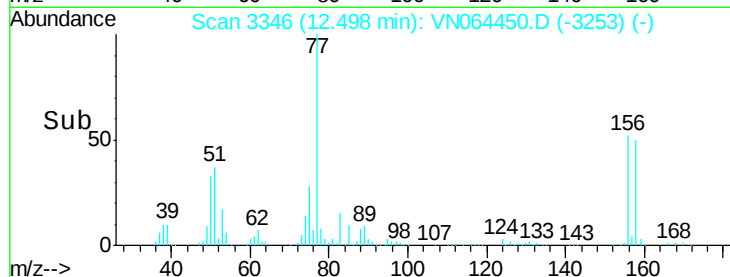
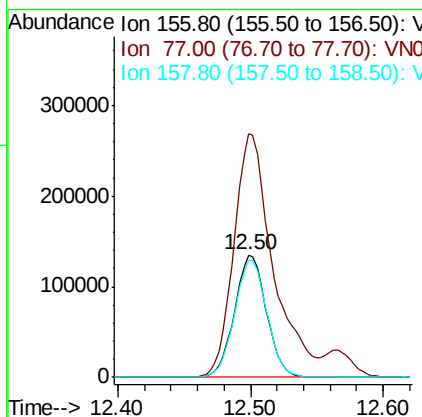
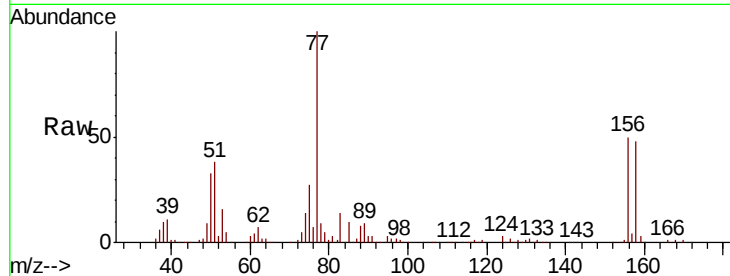
#77
Bromobenzene
Concen: 48.782 ug/l
RT: 12.50 min Scan# 3346
Delta R.T. -0.00 min
Lab File: VN064450.D
Acq: 4 Nov 2020 20:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	244.2	119.0	357.0
158	97.4	48.4	145.3

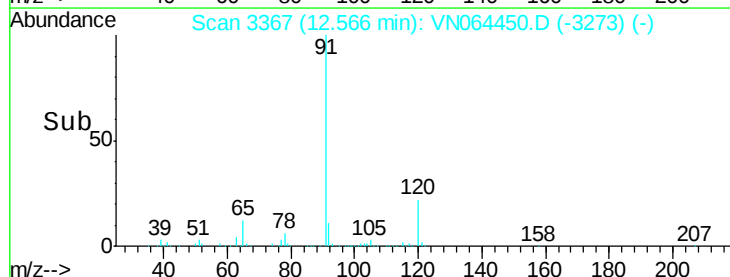
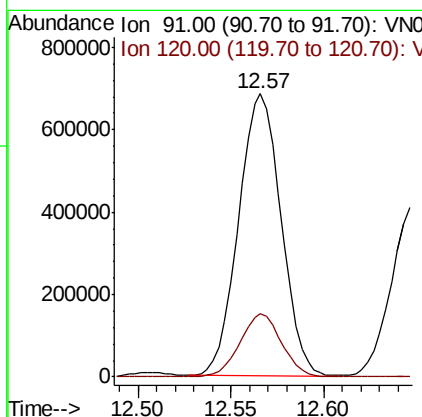
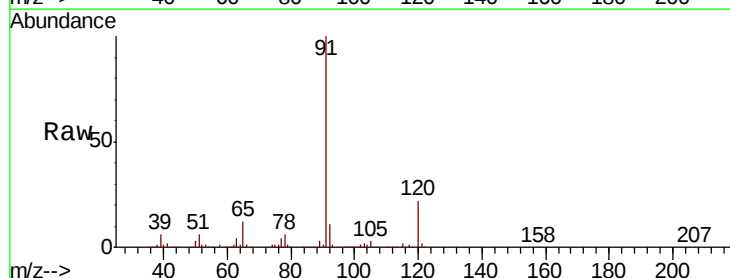
Manual Integrations
APPROVED

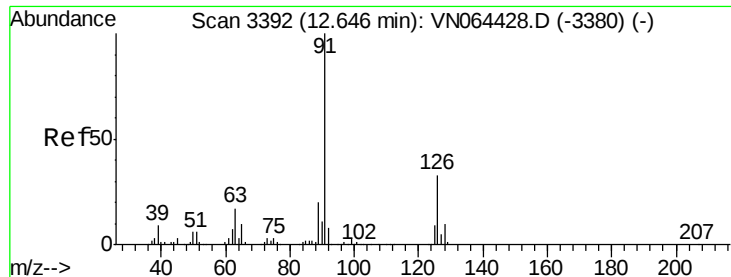
MMDadoda
11/5/2020 2:19:37 PM



#78
n-propylbenzene
Concen: 50.452 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. 0.00 min
Lab File: VN064450.D
Acq: 4 Nov 2020 20:51

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.0	33.0





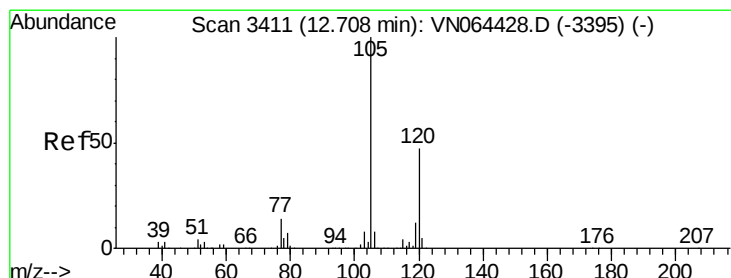
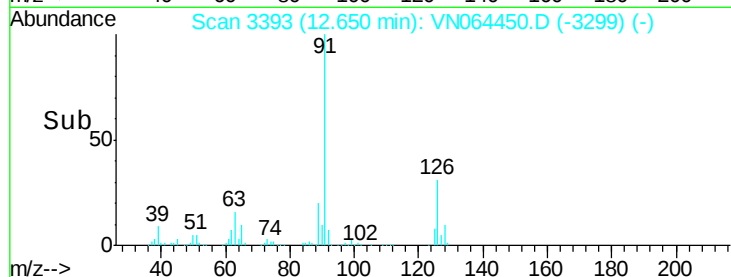
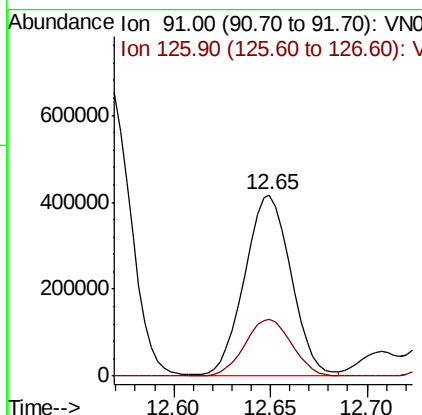
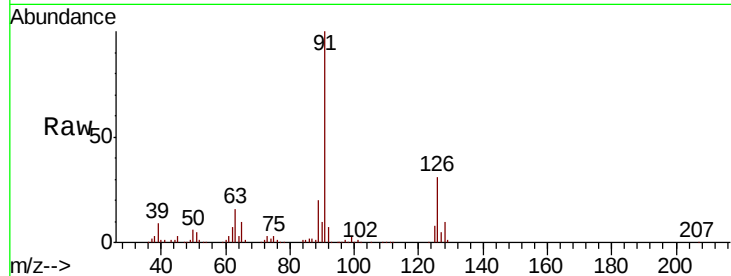
#79
 2-Chlorotoluene
 Concen: 50.551 ug/l
 RT: 12.65 min Scan# 3393
 Delta R.T. 0.00 min
 Lab File: VN064450.D
 Acq: 4 Nov 2020 20:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 689844
 Ion Ratio Lower Upper
 91 100
 126 32.2 16.4 49.1

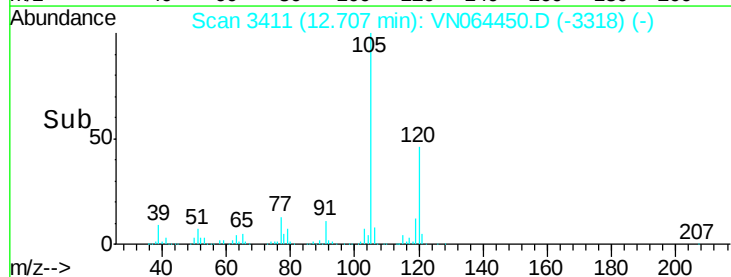
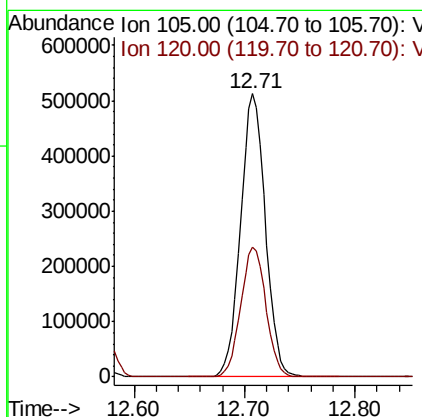
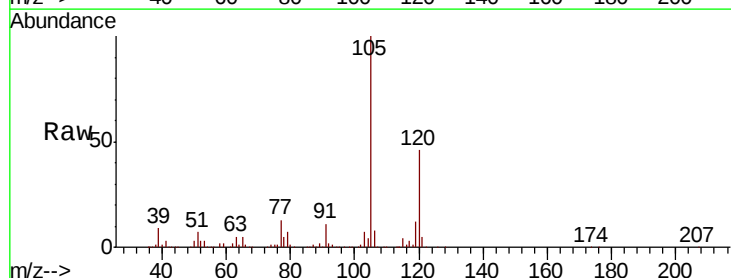
Manual Integrations
 APPROVED

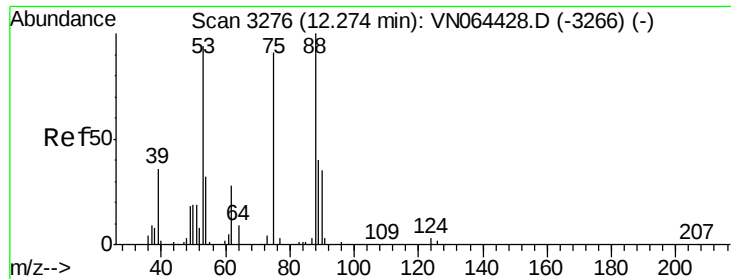
MMDadoda
 11/5/2020 2:19:37 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 51.091 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. -0.00 min
 Lab File: VN064450.D
 Acq: 4 Nov 2020 20:51

Tgt Ion: 105 Resp: 795460
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 50.815 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN064450.D

Acq: 4 Nov 2020 20:51

Instrument :

MSVOA_N

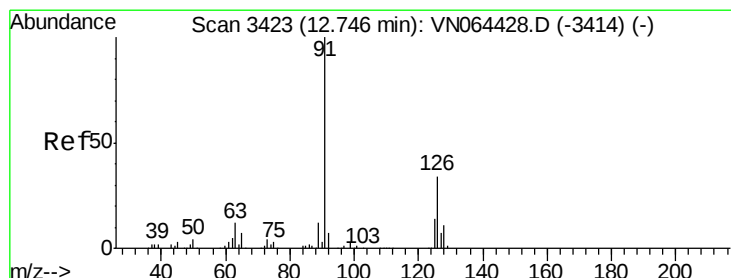
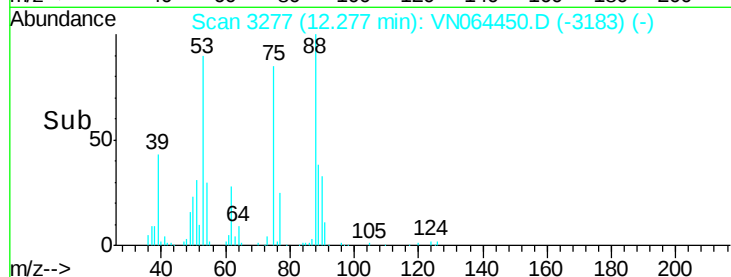
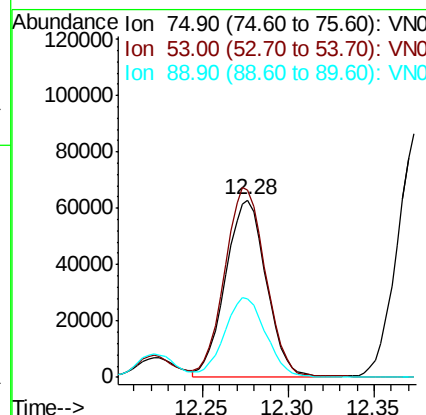
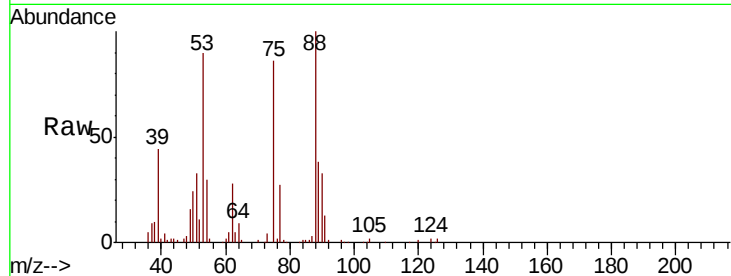
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	104701
Ion Ratio	Lower	Upper	
75	100		
53	105.4	84.0	126.0
89	44.9	36.3	54.5

Manual Integrations
APPROVED

MMDadoda
11/5/2020 2:19:37 PM



#82

4-Chlorotoluene

Concen: 50.269 ug/l

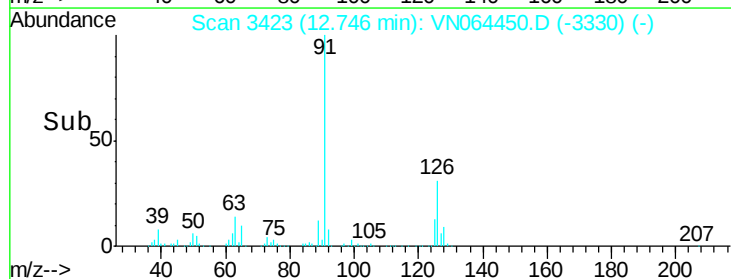
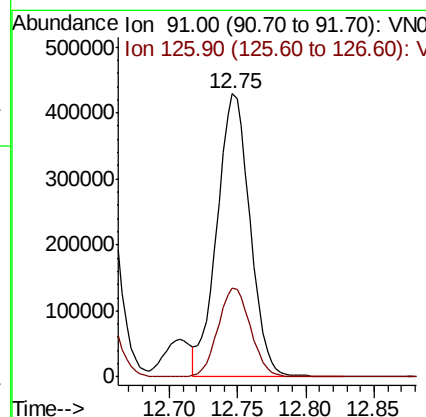
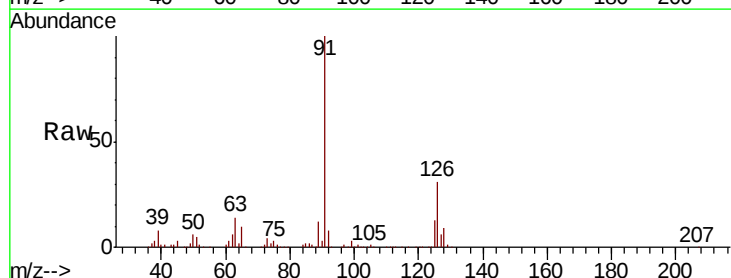
RT: 12.75 min Scan# 3423

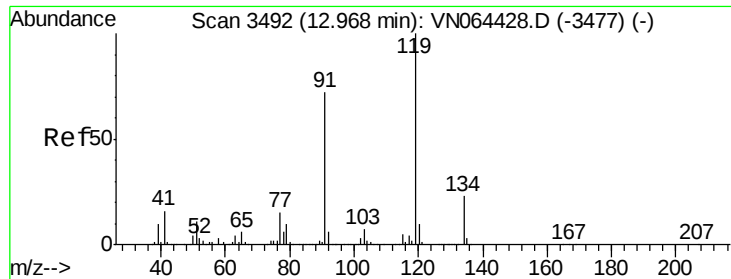
Delta R.T. -0.00 min

Lab File: VN064450.D

Acq: 4 Nov 2020 20:51

Tgt Ion:	91	Resp:	718420
Ion Ratio	Lower	Upper	
91	100		
126	30.9	15.4	46.2





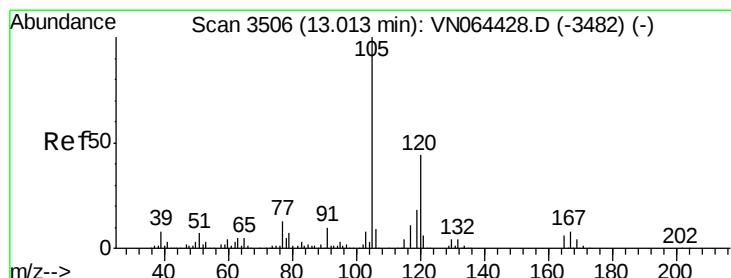
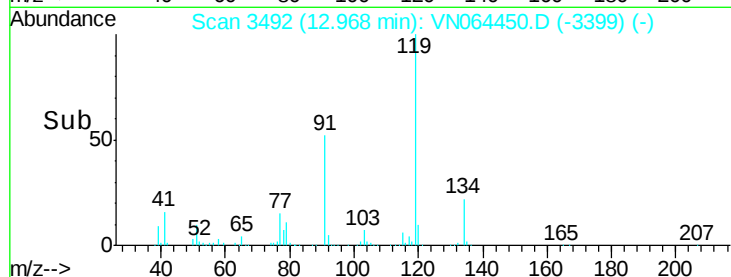
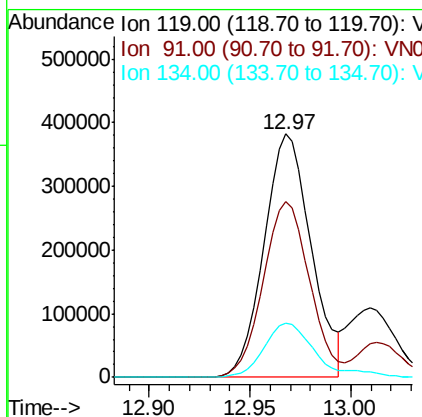
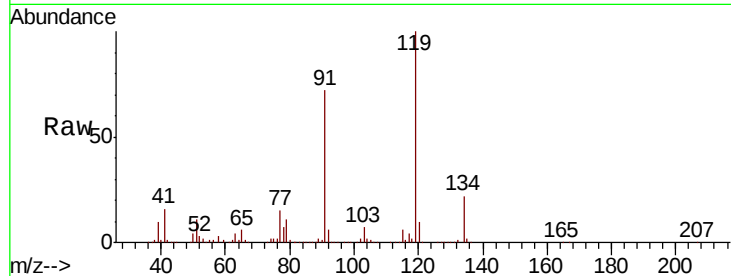
#83
 tert-Butylbenzene
 Concen: 51.073 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN064450.D
 Acq: 4 Nov 2020 20:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
119	100		621042		
91	71.4	36.1	108.3		
134	24.6	11.7	35.1		

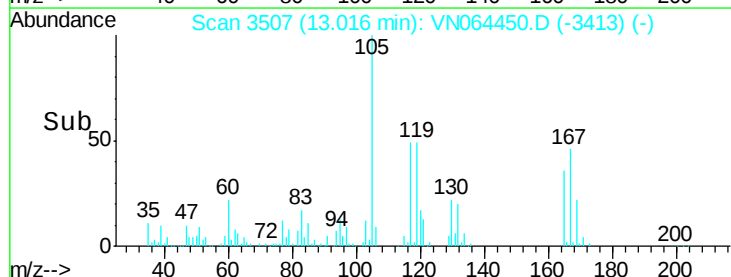
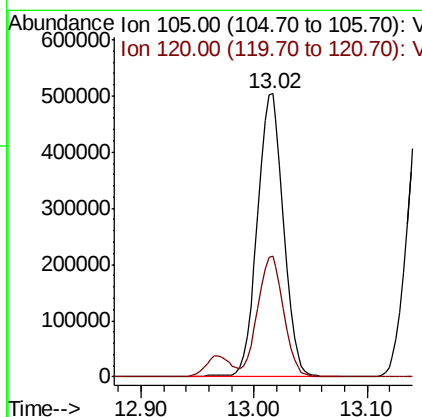
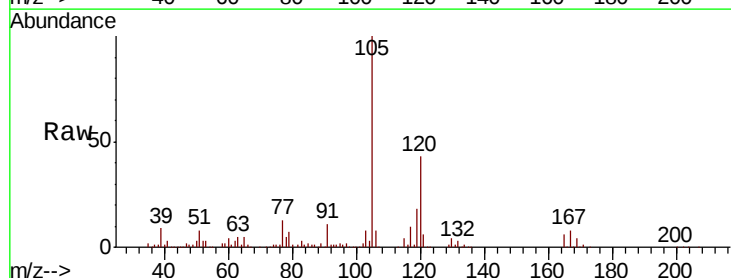
Manual Integrations
 APPROVED

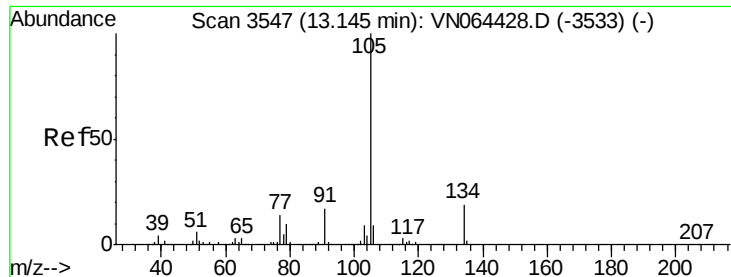
MMDadoda
 11/5/2020 2:19:37 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.825 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN064450.D
 Acq: 4 Nov 2020 20:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		811147		
120	42.1	21.9	65.7		





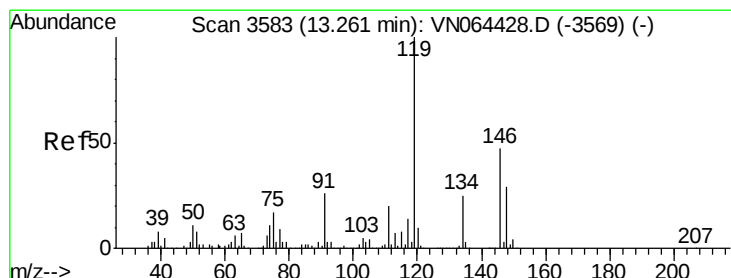
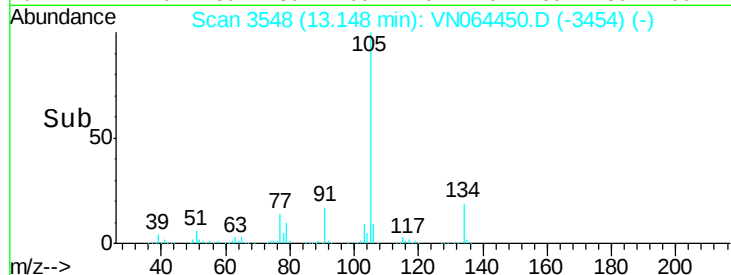
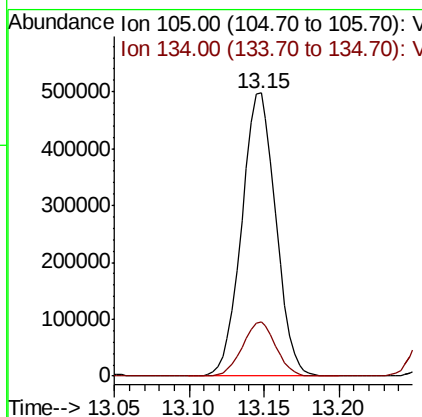
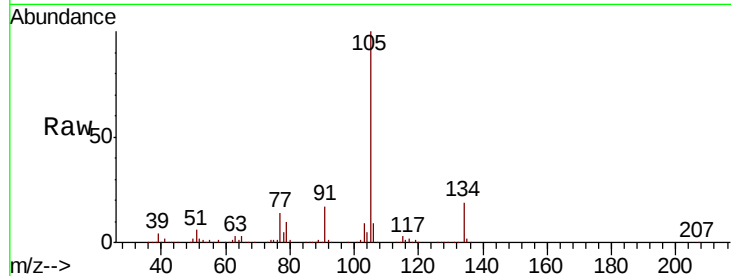
#85
 sec-Butylbenzene
 Concen: 51.173 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN064450.D
 Acq: 4 Nov 2020 20:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.4	28.2

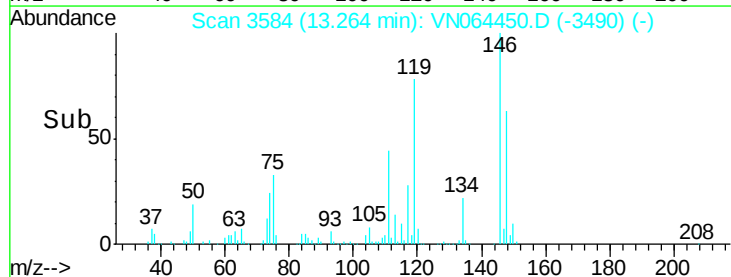
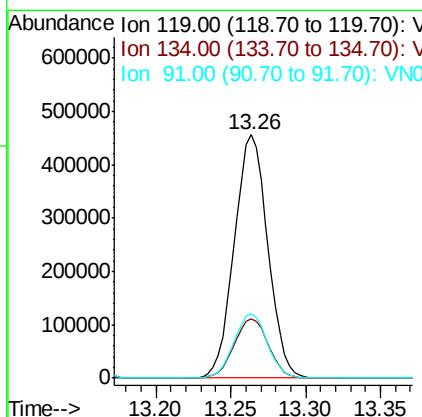
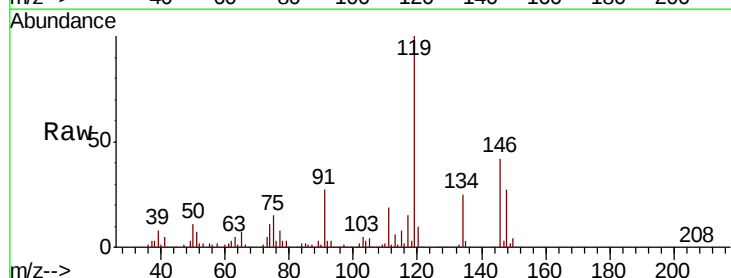
Manual Integrations
 APPROVED

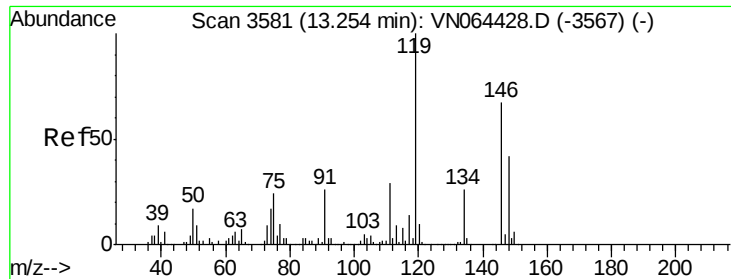
MMDadoda
 11/5/2020 2:19:37 PM



#86
 p-Isopropyltoluene
 Concen: 51.235 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064450.D
 Acq: 4 Nov 2020 20:51

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.1	12.6	37.6
91	26.4	12.8	38.3





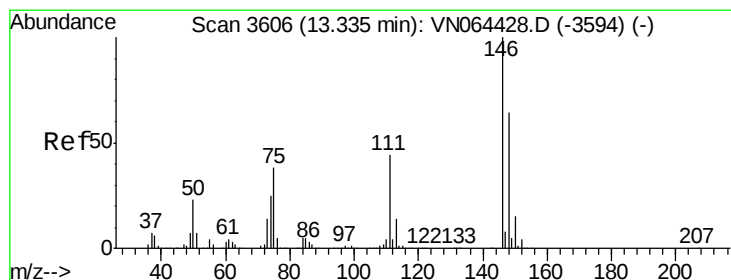
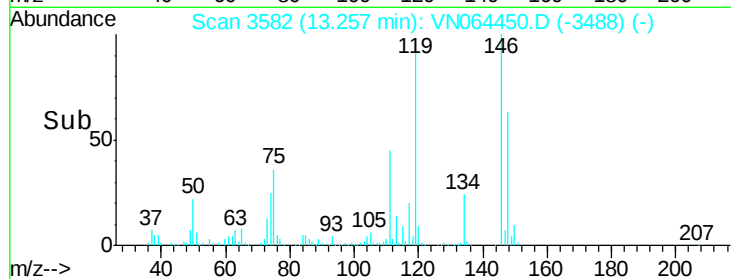
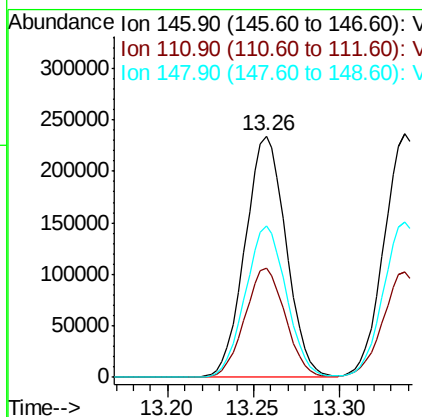
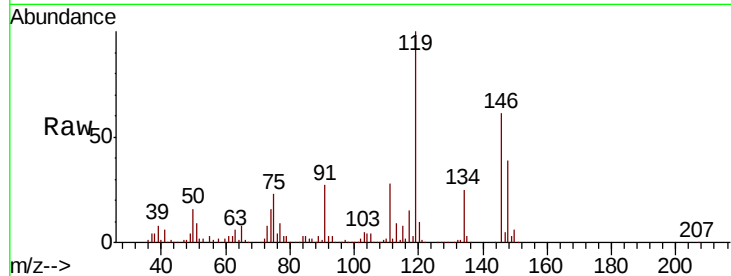
#87
 1,3-Dichlorobenzene
 Concen: 48.511 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064450.D
 Acq: 4 Nov 2020 20:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.1	66.1
148	63.1	31.7	95.1

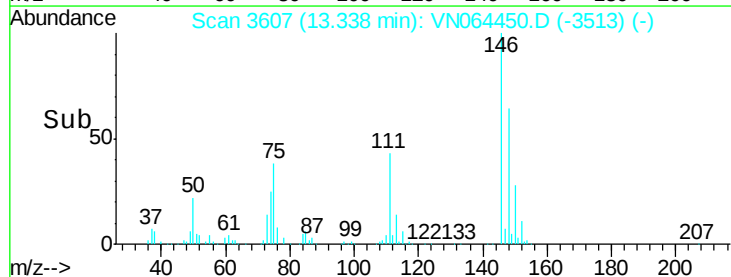
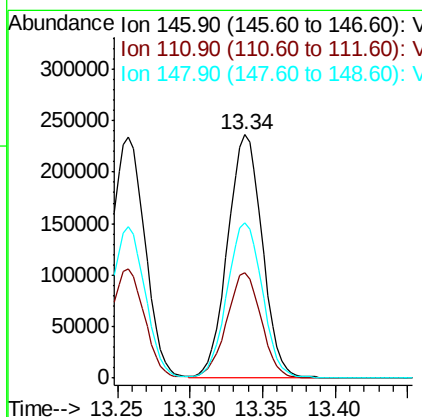
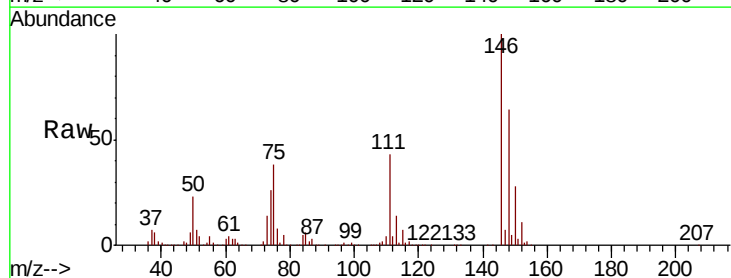
Manual Integrations
 APPROVED

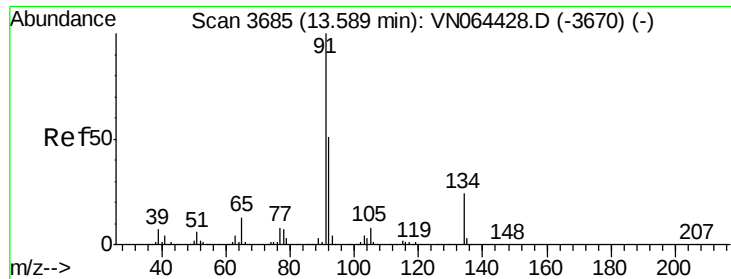
MMDadoda
 11/5/2020 2:19:37 PM



#88
 1,4-Dichlorobenzene
 Concen: 47.490 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064450.D
 Acq: 4 Nov 2020 20:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.8	65.3
148	65.0	32.4	97.2





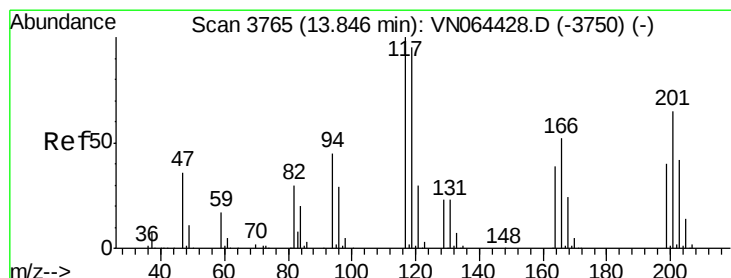
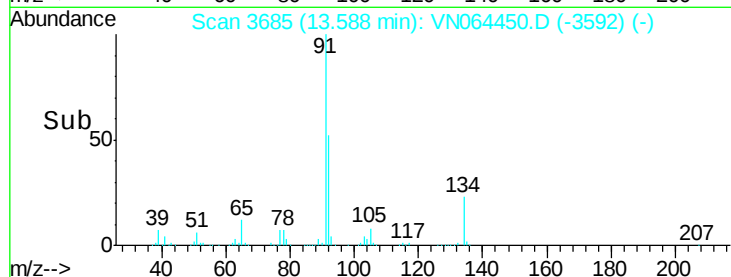
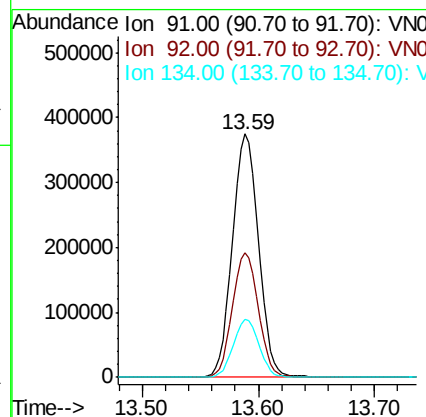
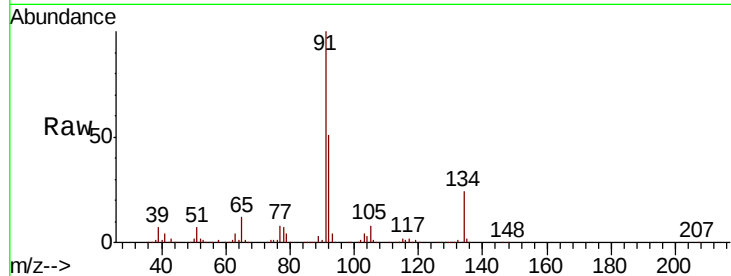
#89
n-Butylbenzene
Concen: 48.809 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064450.D
Acq: 4 Nov 2020 20:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.7	25.3	75.9
134	23.4	11.8	35.4

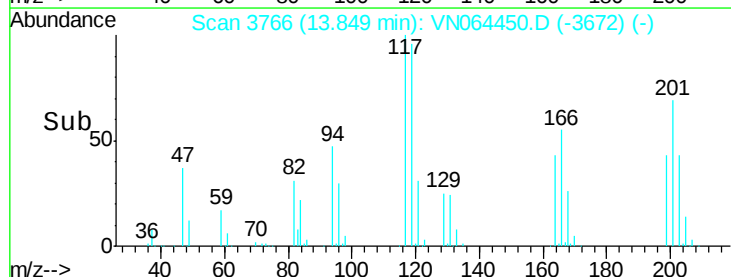
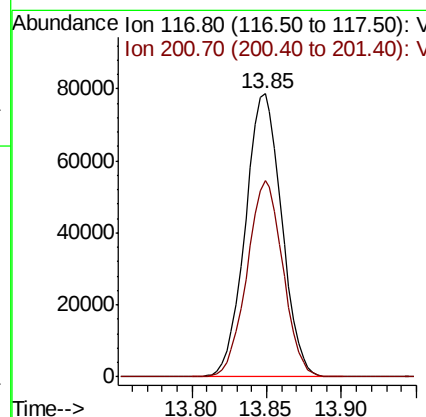
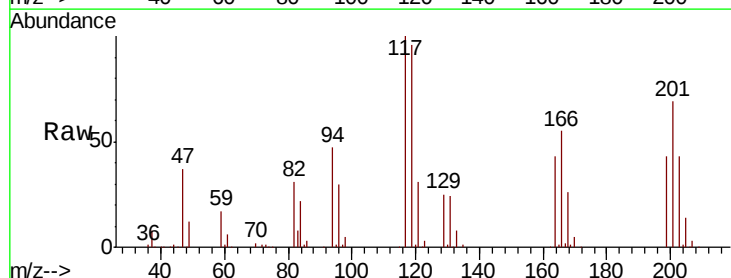
Manual Integrations
APPROVED

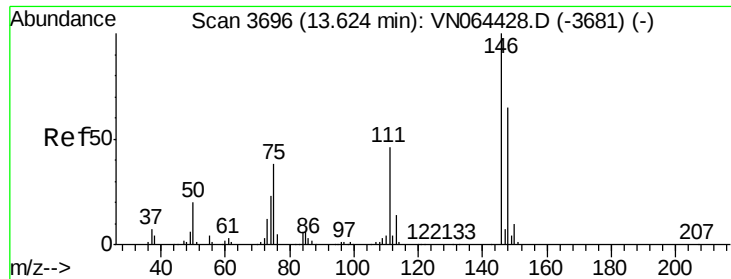
MMDadoda
11/5/2020 2:19:37 PM



#90
Hexachloroethane
Concen: 49.814 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064450.D
Acq: 4 Nov 2020 20:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.3	32.5	97.5





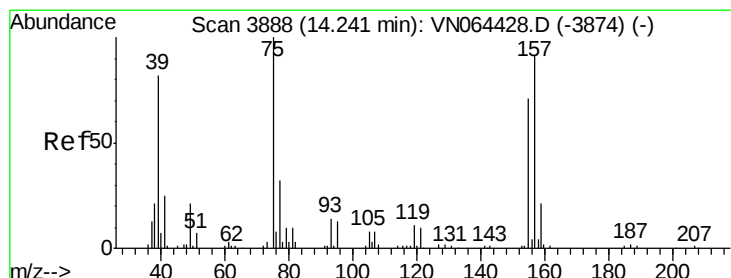
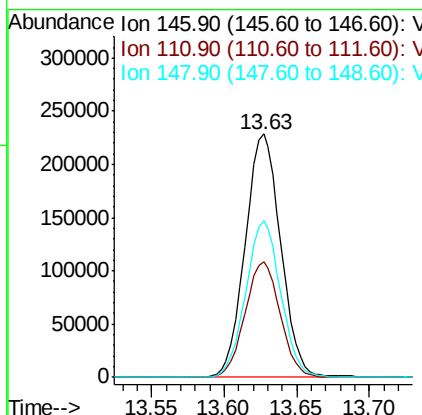
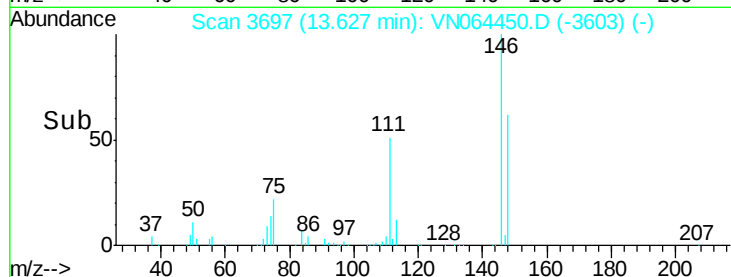
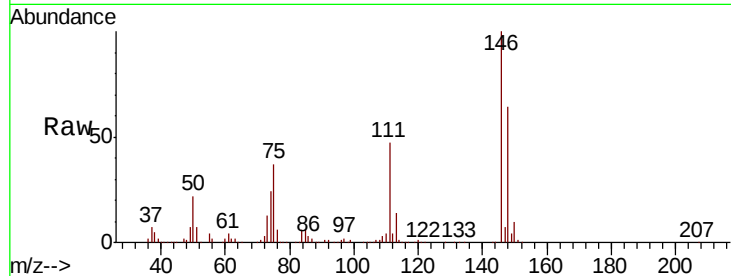
#91
 1,2-Dichlorobenzene
 Concen: 50.930 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064450.D
 Acq: 4 Nov 2020 20:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.1	22.9	68.7
148	63.7	32.0	96.2

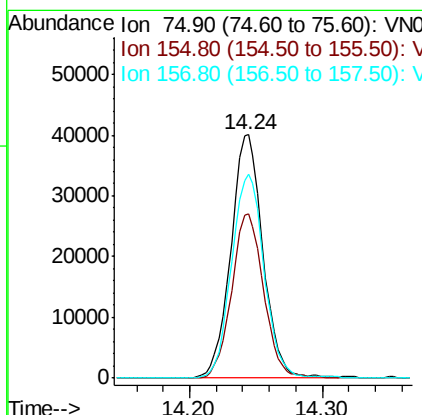
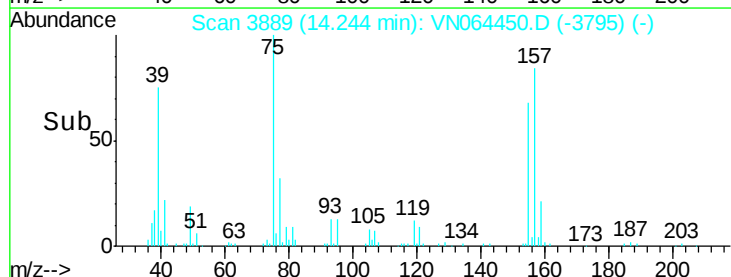
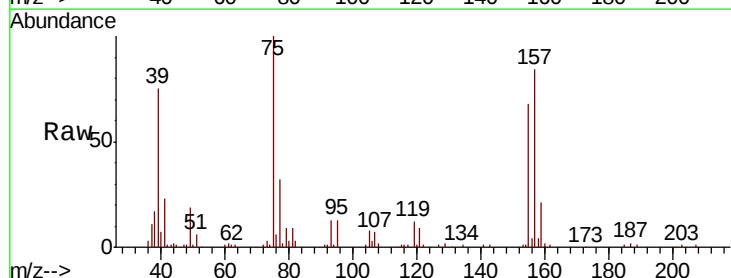
Manual Integrations
 APPROVED

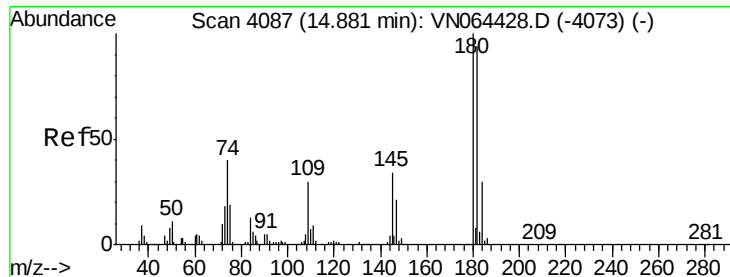
MMDadoda
 11/5/2020 2:19:37 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.194 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064450.D
 Acq: 4 Nov 2020 20:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	67.5	34.6	103.9
157	85.0	43.0	128.8





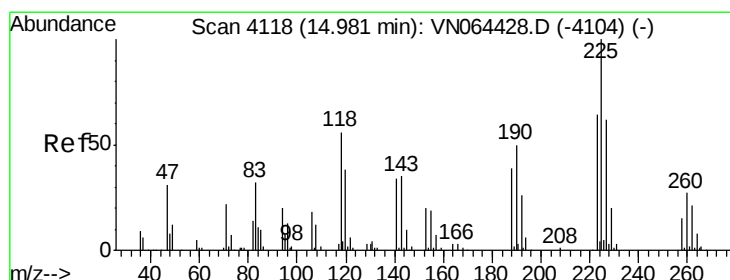
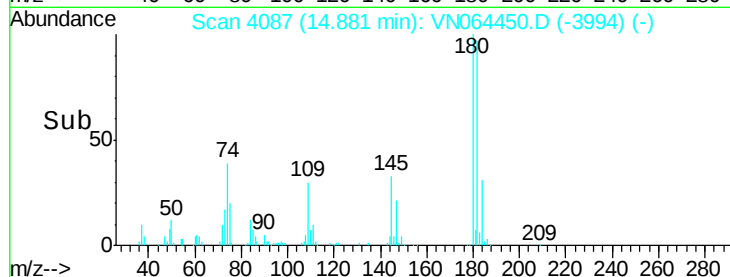
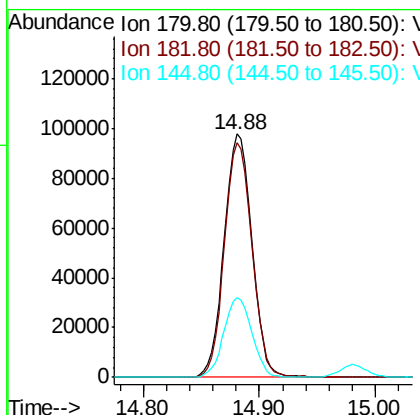
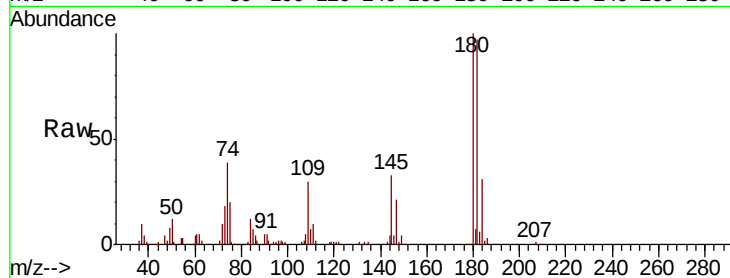
#93
 1,2,4-Trichlorobenzene
 Concen: 42.889 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064450.D
 Acq: 4 Nov 2020 20:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.3	142.0
145	33.2	16.7	50.1

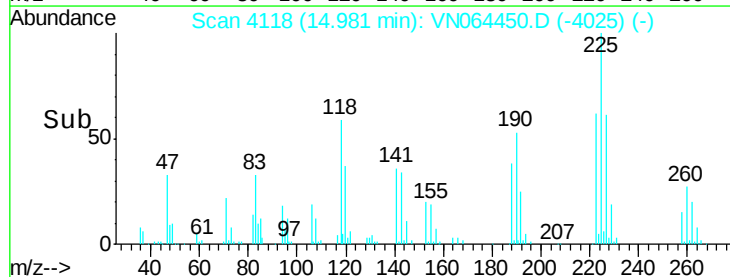
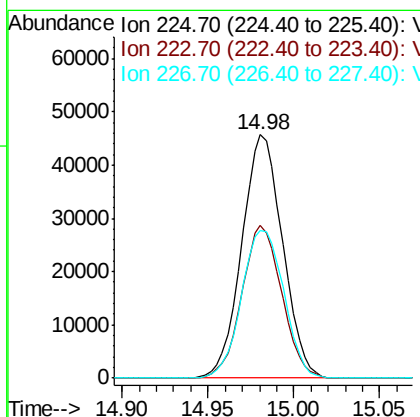
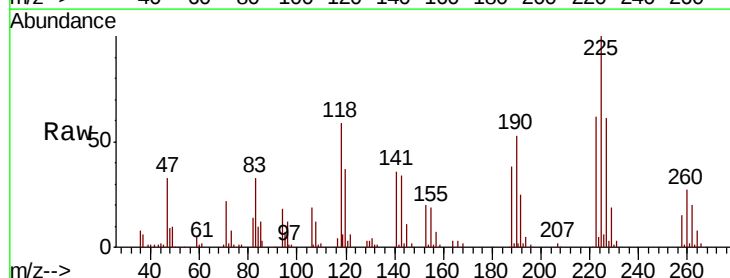
Manual Integrations
 APPROVED

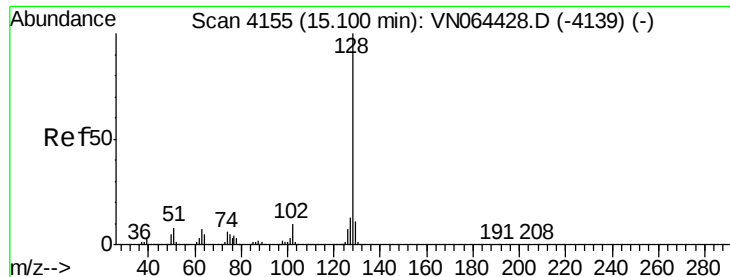
MMDadoda
 11/5/2020 2:19:37 PM



#94
 Hexachlorobutadiene
 Concen: 48.336 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064450.D
 Acq: 4 Nov 2020 20:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	31.8	95.4
227	62.7	31.8	95.4





#95

Naphthalene

Concen: 42.814 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064450.D

Acq: 4 Nov 2020 20:51

Instrument :

MSVOA_N

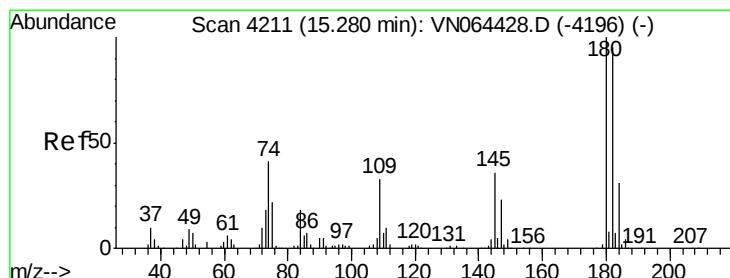
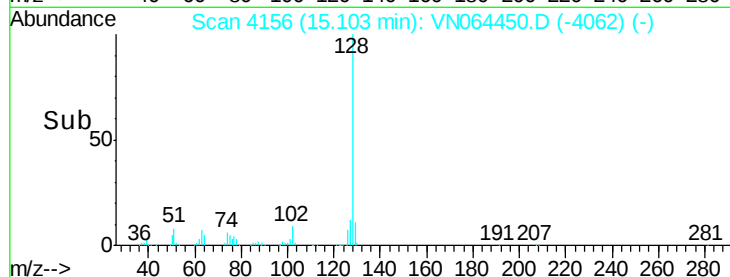
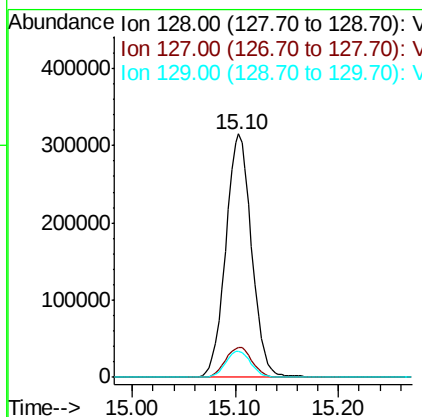
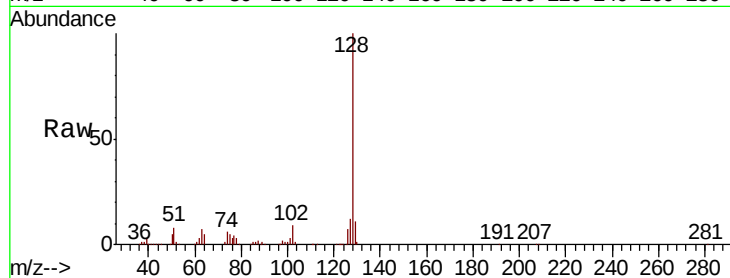
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	550256
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.5	15.7
129	10.6	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
11/5/2020 2:19:37 PM



#96

1,2,3-Trichlorobenzene

Concen: 44.531 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064450.D

Acq: 4 Nov 2020 20:51

Tgt Ion:	180	Resp:	162960
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.7	143.1
145	35.5	18.3	54.8

