

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111820\
 Data File : VN064711.D
 Acq On : 18 Nov 2020 16:57
 Operator : JC/MD
 Sample : VN1118WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/19/2020 2:10:49 PM

Quant Time: Nov 18 18:23:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 18 15:29:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	263358	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	462452	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	434031	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	194923	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	225775	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
35) Dibromofluoromethane	7.55	113	129162	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
50) Toluene-d8	10.06	98	581764	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	
62) 4-Bromofluorobenzene	12.37	95	212066	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	59238	18.002	ug/l	97
3) Chloromethane	2.04	50	65140	17.902	ug/l	94
4) Vinyl Chloride	2.17	62	67572	17.797	ug/l	99
5) Bromomethane	2.53	94	52017	18.683	ug/l	92
6) Chloroethane	2.68	64	46917	18.314	ug/l	96
7) Trichlorofluoromethane	2.99	101	124735	18.343	ug/l	98
8) Diethyl Ether	3.38	74	41782	19.042	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.71	101	54988	18.711	ug/l	98
10) Methyl Iodide	3.91	142	60975	17.358	ug/l	98
11) Tert butyl alcohol	4.74	59	46699	103.899	ug/l #	82
12) 1,1-Dichloroethene	3.70	96	50815	17.947	ug/l	90
13) Acrolein	3.57	56	11956	113.617	ug/l	95
14) Allyl chloride	4.28	41	92803	19.089	ug/l	99
15) Acrylonitrile	4.93	53	126730	96.023	ug/l	100
16) Acetone	3.78	43	106118	97.817	ug/l	98
17) Carbon Disulfide	4.01	76	150054	18.307	ug/l	97
18) Methyl Acetate	4.28	43	61793	19.025	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	178365	18.827	ug/l	100
20) Methylene Chloride	4.50	84	62526	18.225	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	57156	18.091	ug/l	94
22) Diisopropyl ether	5.90	45	195145	19.007	ug/l	99
23) Vinyl Acetate	5.85	43	799499	96.490	ug/l	99
24) 1,1-Dichloroethane	5.80	63	113411	18.854	ug/l	100
25) 2-Butanone	6.78	43	177874	100.423	ug/l	98
26) 2,2-Dichloropropane	6.78	77	105272	18.417	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	65184	18.714	ug/l	100
28) Bromochloromethane	7.15	49	56600	18.662	ug/l	99
29) Tetrahydrofuran	7.17	42	114198	95.421	ug/l	99
30) Chloroform	7.33	83	124134	18.990	ug/l	99
31) Cyclohexane	7.61	56	89420	17.853	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	109767	18.372	ug/l	100
36) 1,1-Dichloropropene	7.75	75	85716	18.016	ug/l	99
37) Ethyl Acetate	6.88	43	80849	20.294	ug/l	99
38) Carbon Tetrachloride	7.73	117	95300	18.848	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	74158	17.591	ug/l	98
40) Benzene	8.00	78	247464	18.667	ug/l	98
41) Methacrylonitrile	7.13	41	36283	19.871	ug/l #	92
42) 1,2-Dichloroethane	8.08	62	107793	18.899	ug/l	99
43) Isopropyl Acetate	8.13	43	143030	18.523	ug/l	98
44) Trichloroethene	8.80	130	69113	18.166	ug/l	97
45) 1,2-Dichloropropane	9.08	63	65899	18.649	ug/l	95
46) Dibromomethane	9.17	93	47704	19.045	ug/l	98
47) Bromodichloromethane	9.37	83	97943	18.600	ug/l	98
48) Methyl methacrylate	9.16	41	68889	18.908	ug/l	95
49) 1,4-Dioxane	9.17	88	18299	402.564	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	414027	92.774	ug/l	100
52) Toluene	10.12	92	157610	19.304	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	103044	18.285	ug/l	95
54) cis-1,3-Dichloropropene	9.81	75	110009	18.958	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	60709	18.539	ug/l	98
56) Ethyl methacrylate	10.40	69	82670	17.231	ug/l	95
57) 1,3-Dichloropropane	10.68	76	107218	18.901	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.66	63	238701	90.173	ug/l	98
59) 2-Hexanone	10.72	43	298339	92.623	ug/l	99
60) Dibromochloromethane	10.87	129	68355	18.067	ug/l	98
61) 1,2-Dibromoethane	10.97	107	63502	18.180	ug/l	98
64) Tetrachloroethene	10.60	164	68381	17.772	ug/l	97
65) Chlorobenzene	11.41	112	164749	17.844	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.48	131	61376	17.791	ug/l	99
67) Ethyl Benzene	11.48	91	290334	17.835	ug/l	100
68) m/p-Xylenes	11.59	106	215403	35.325	ug/l	100
69) o-Xylene	11.92	106	101186	17.817	ug/l	99
70) Styrene	11.94	104	170675	17.164	ug/l	98
71) Bromoform	12.10	173	41864	17.294	ug/l #	99
73) Isopropylbenzene	12.22	105	260250	18.805	ug/l	99
74) N-amyl acetate	12.04	43	124478	19.259	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	76348	19.732	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	85093m	20.261	ug/l	
77) Bromobenzene	12.50	156	65295	18.706	ug/l	96
78) n-propylbenzene	12.56	91	311444	19.324	ug/l	99
79) 2-Chlorotoluene	12.65	91	197634	19.159	ug/l	98
80) 1,3,5-Trimethylbenzene	12.70	105	223729	19.461	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	27958	18.159	ug/l	98
82) 4-Chlorotoluene	12.75	91	208829	18.986	ug/l	98
83) tert-Butylbenzene	12.96	119	172579	19.404	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	227103	19.356	ug/l	99
85) sec-Butylbenzene	13.14	105	231200	19.503	ug/l	99
86) p-Isopropyltoluene	13.26	119	202762	18.598	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	113716	17.880	ug/l	98
88) 1,4-Dichlorobenzene	13.33	146	118959	18.219	ug/l	99
89) n-Butylbenzene	13.59	91	182120	17.894	ug/l	100
90) Hexachloroethane	13.85	117	33916	18.818	ug/l	100
91) 1,2-Dichlorobenzene	13.62	146	114500	18.420	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	20665	20.352	ug/l	94

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QLast Update : Wed Nov 18 15:29:54 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	56694	17.648	ug/l	98
94) Hexachlorobutadiene	14.98	225	25840	18.343	ug/l	97
95) Naphthalene	15.10	128	194308	17.736	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	57199	18.128	ug/l	99

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

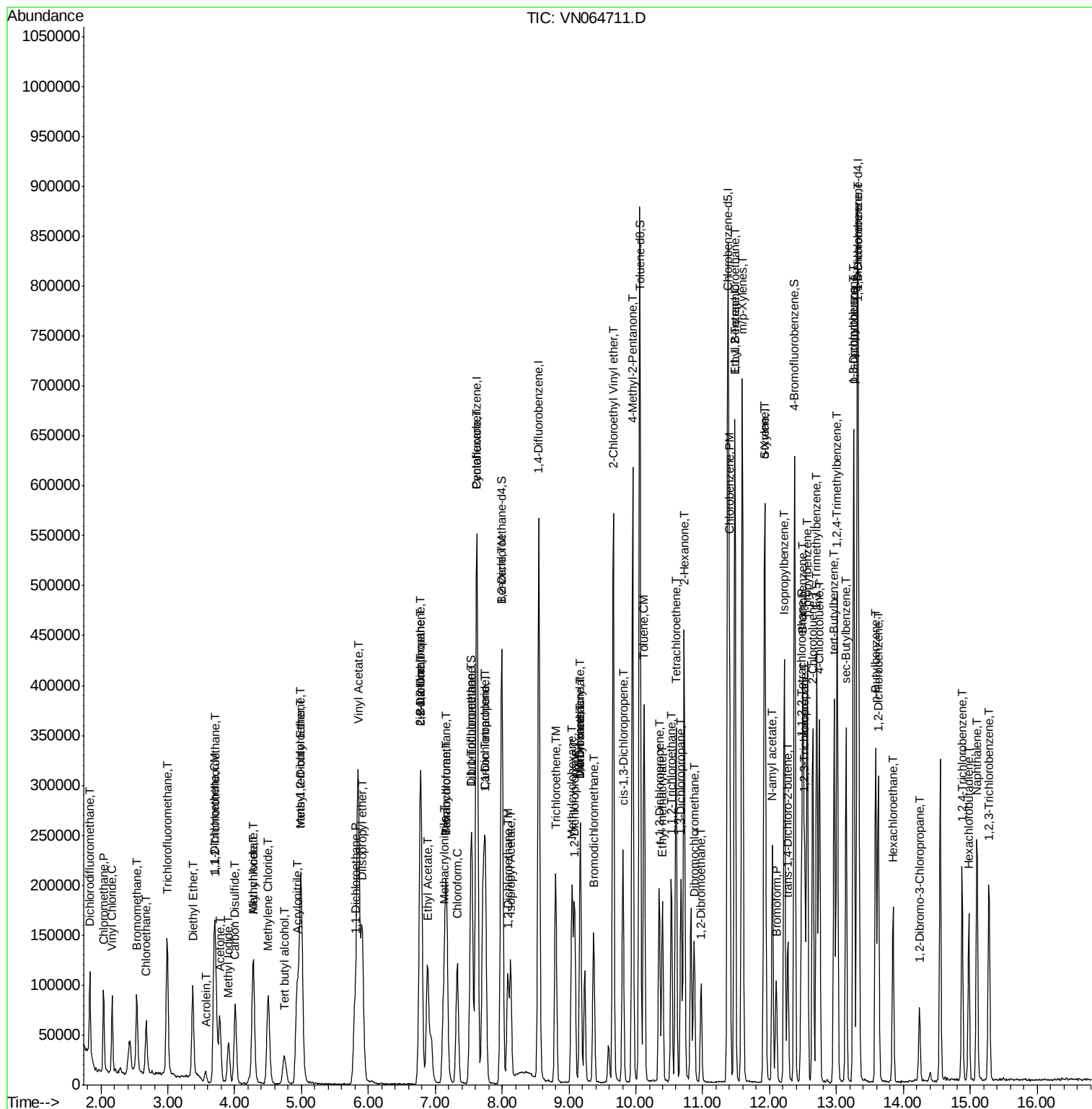
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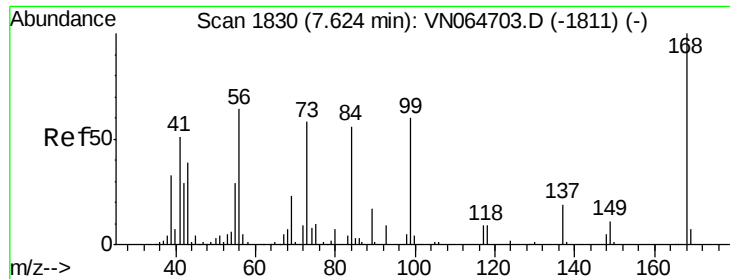
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN064711.D

Acq: 18 Nov 2020 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1118WBS01

Tot Ion:168 Resp: 263358

Ion Ratio Lower Upper

168 100

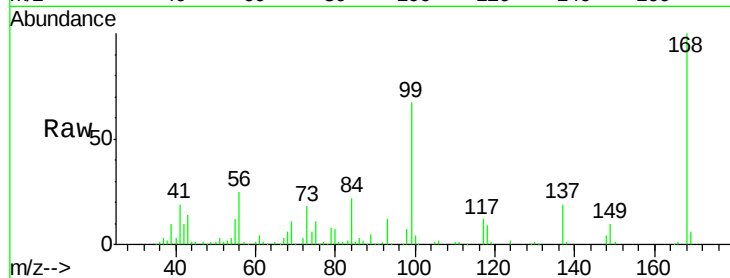
99 67.2 55.7 83.5

Manual Integrations

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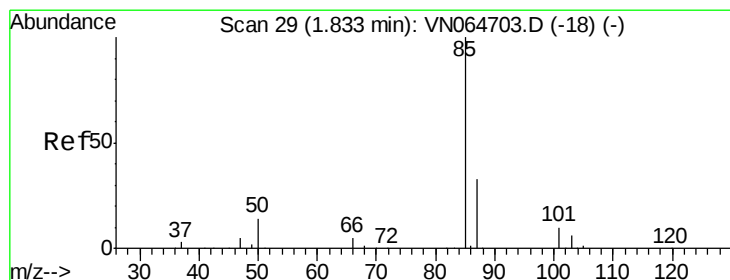
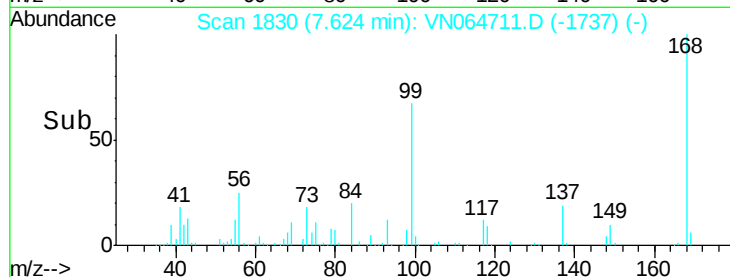
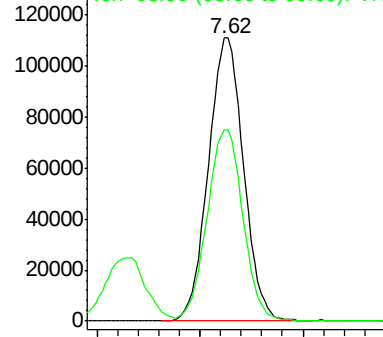
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 18.002 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064711.D

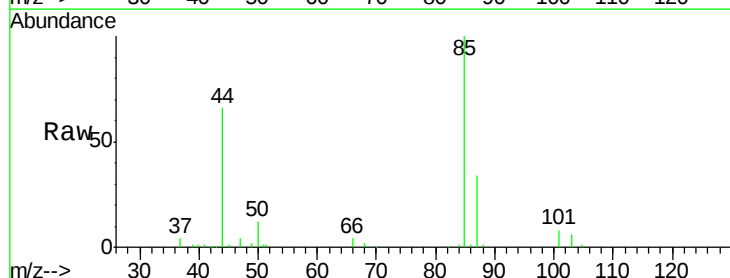
Acq: 18 Nov 2020 16:57

Tgt Ion: 85 Resp: 59238

Ion Ratio Lower Upper

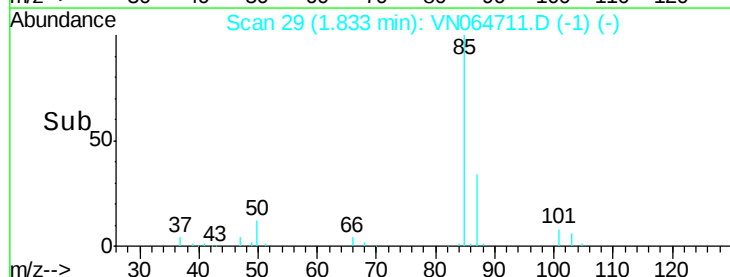
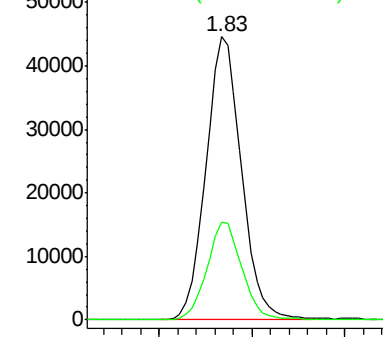
85 100

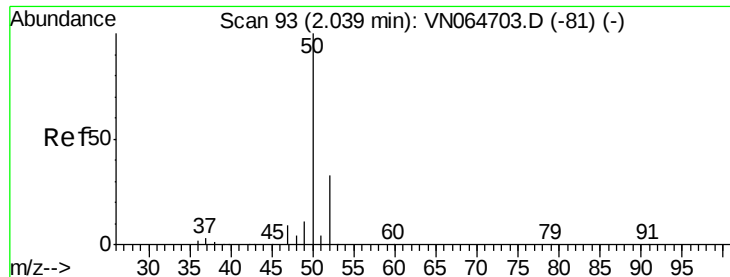
87 34.4 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 17.902 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064711.D

Acq: 18 Nov 2020 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1118WBS01

Tot Ion: 50 Resp: 65140

Ion Ratio Lower Upper

50 100

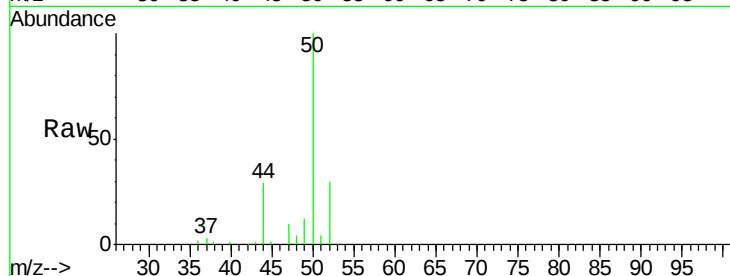
52 29.6 26.4 39.6

Manual Integrations

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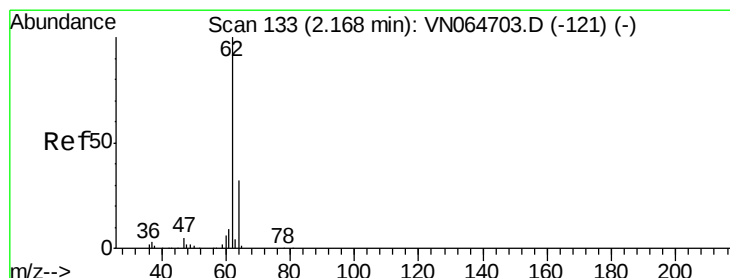
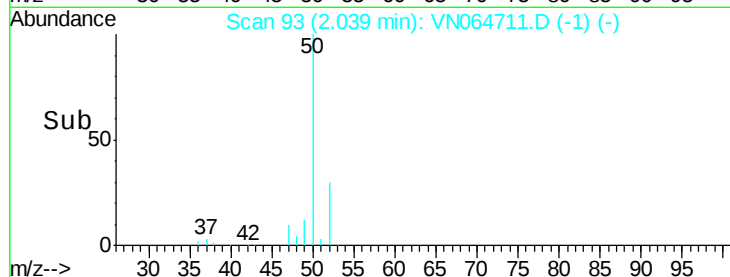
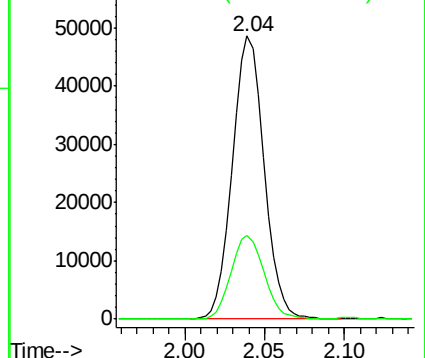
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 17.797 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064711.D

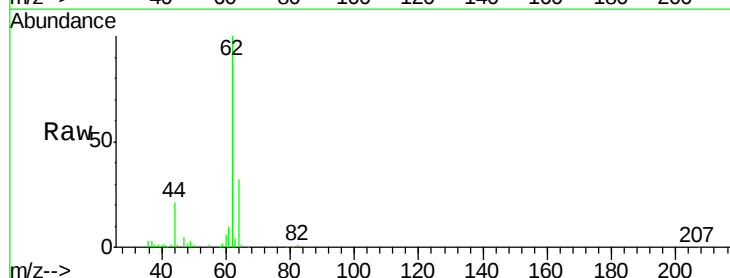
Acq: 18 Nov 2020 16:57

Tgt Ion: 62 Resp: 67572

Ion Ratio Lower Upper

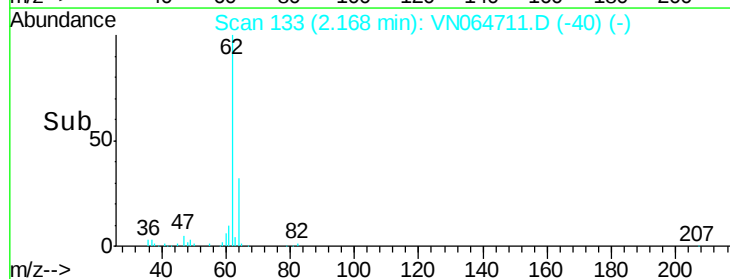
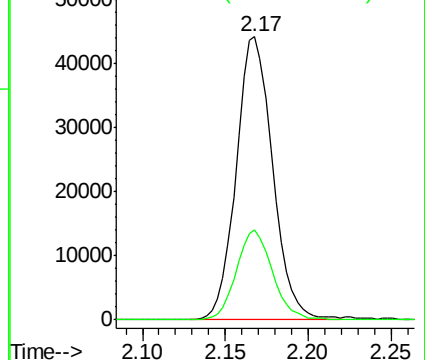
62 100

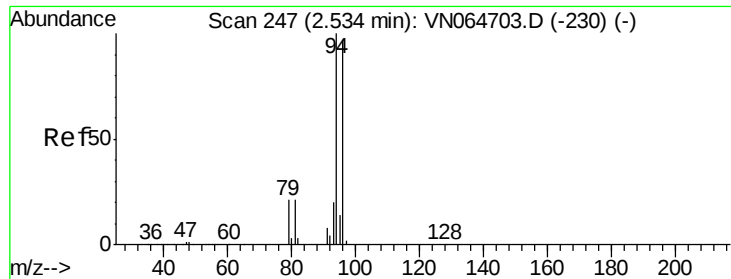
64 31.8 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 18.683 ug/l

RT: 2.53 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN064711.D

Acq: 18 Nov 2020 16:57

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 52017

Ion Ratio Lower Upper

94 100

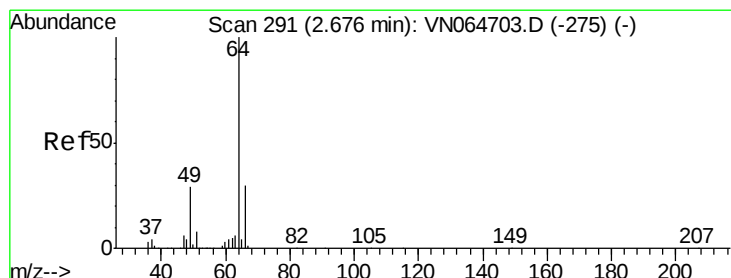
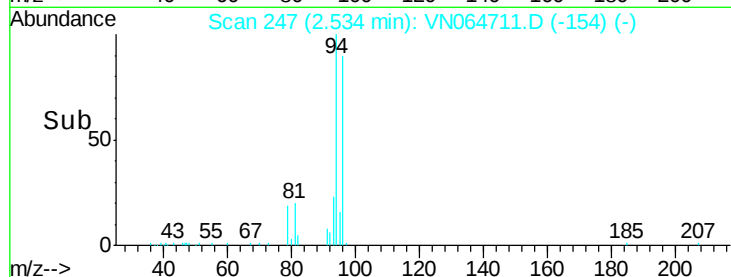
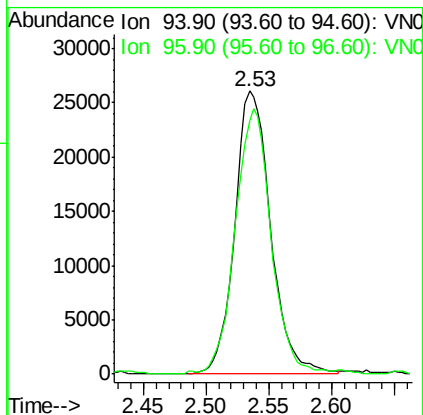
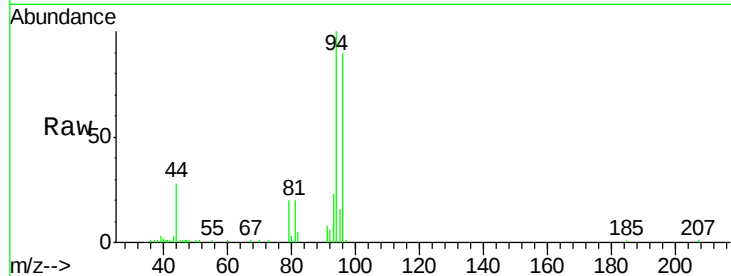
96 89.0 77.8 116.8

Manual Integrations

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#6

Chloroethane

Concen: 18.314 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN064711.D

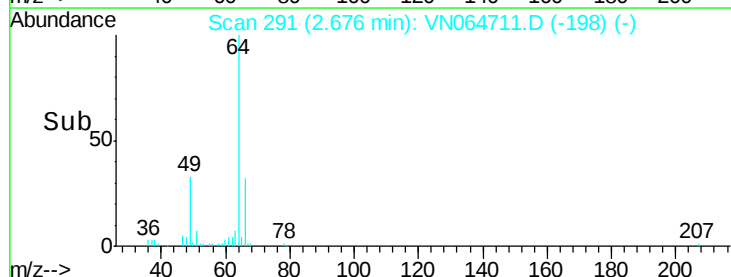
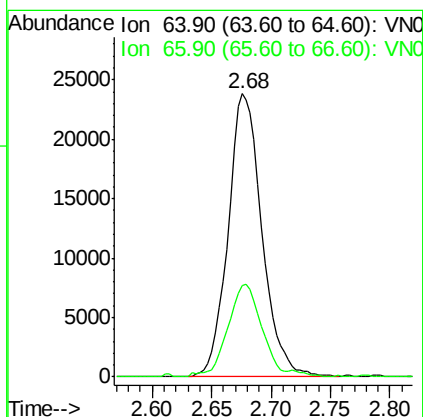
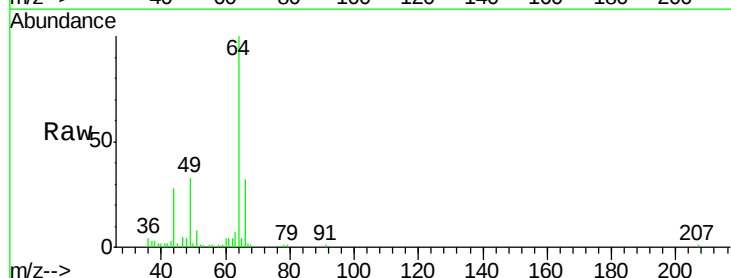
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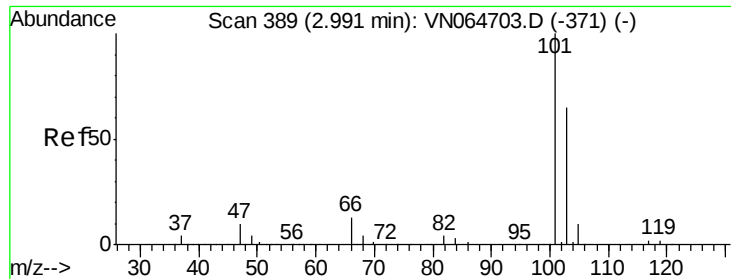
Tgt Ion: 64 Resp: 46917

Ion Ratio Lower Upper

64 100

66 32.4 24.2 36.2





#7

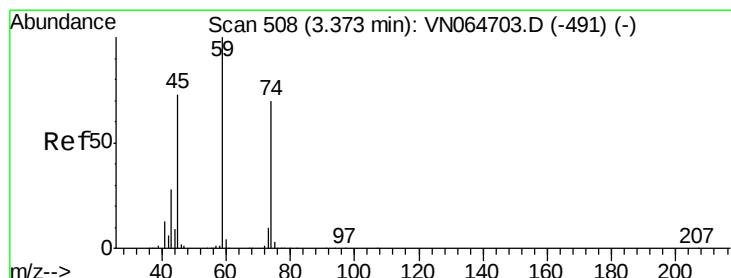
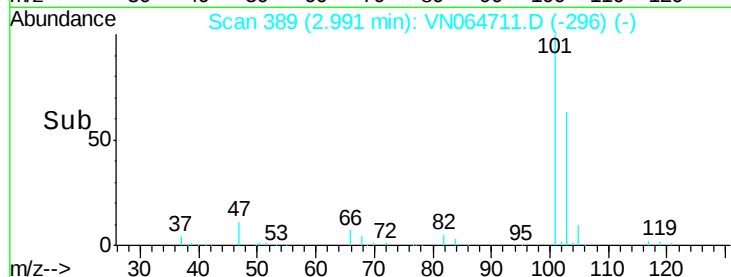
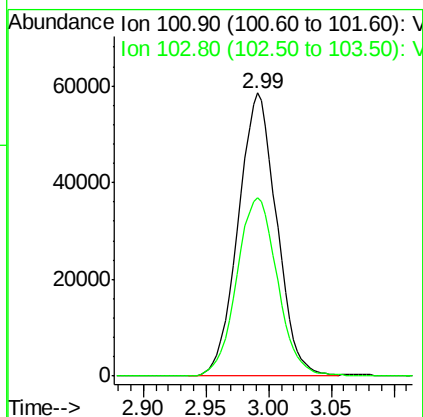
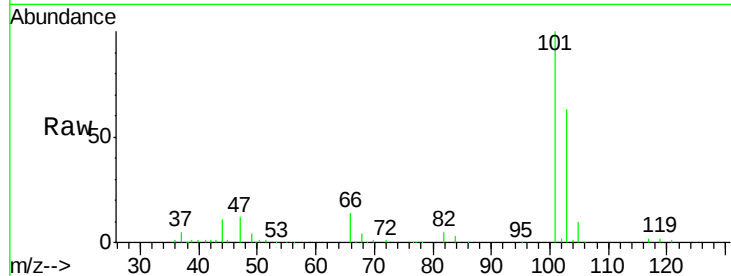
Trichlorofluoromethane
 Concen: 18.343 ug/l
 RT: 2.99 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN064711.D
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Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	51.8	77.6

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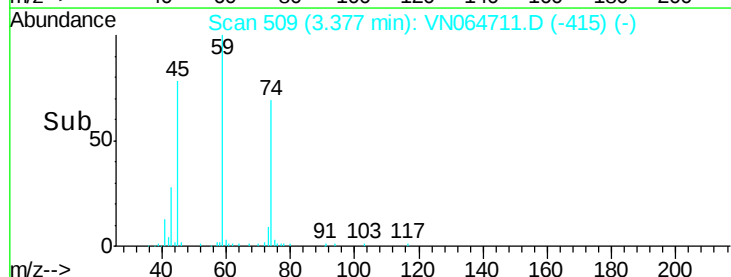
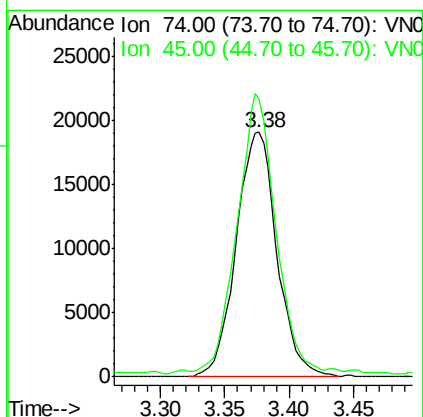
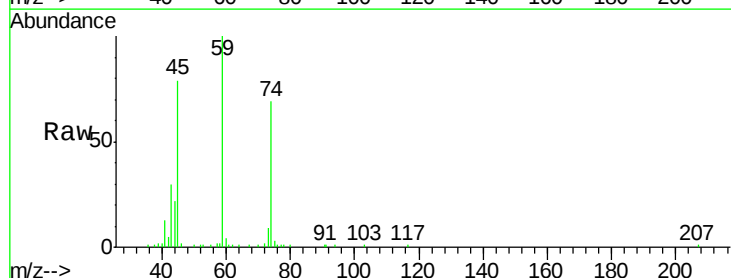
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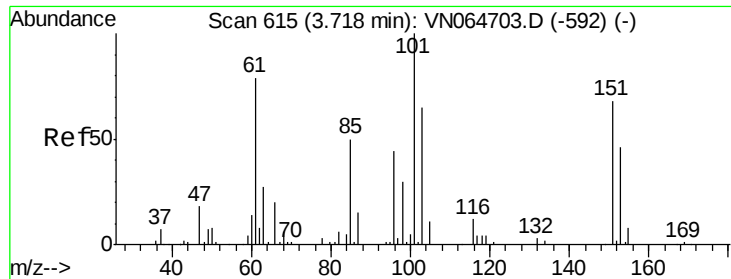


#8

Diethyl Ether
 Concen: 19.042 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN064711.D
 Acq: 18 Nov 2020 16:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.3	52.8	158.5





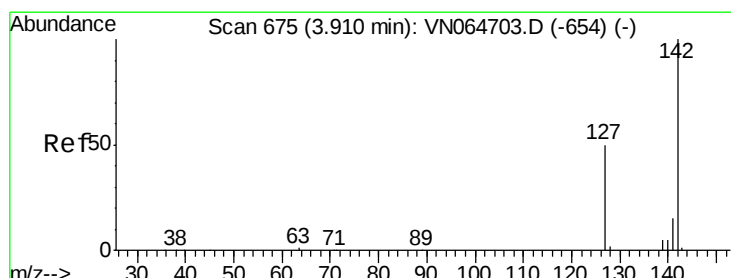
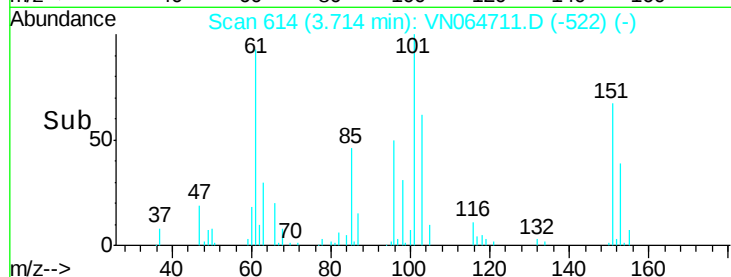
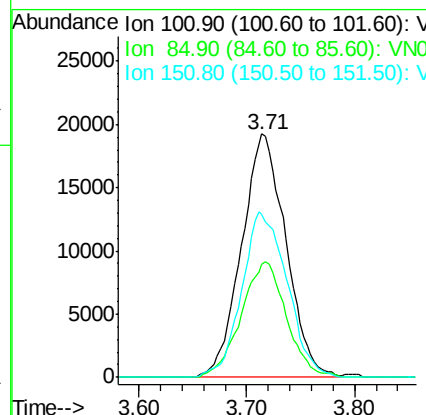
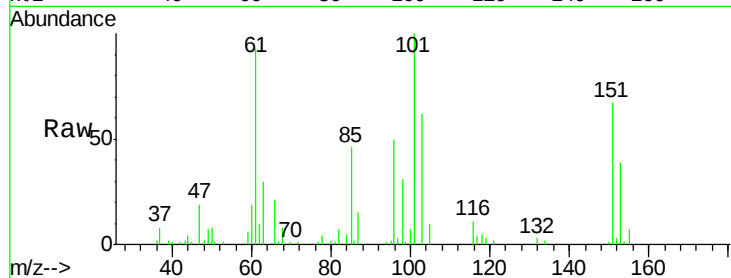
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.711 ug/l
RT: 3.71 min Scan# 614
Delta R.T. -0.00 min
Lab File: VN064711.D
Acq: 18 Nov 2020 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	48.5	39.0	58.4
151	69.6	57.2	85.8

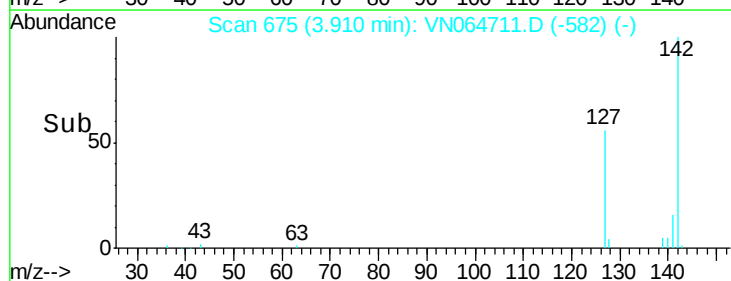
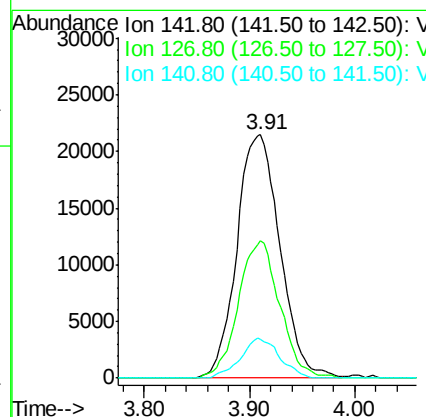
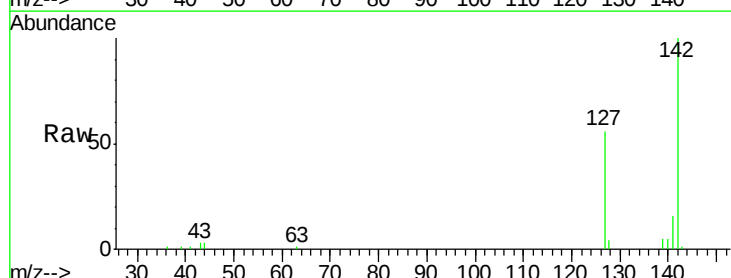
Manual Integrations
APPROVED

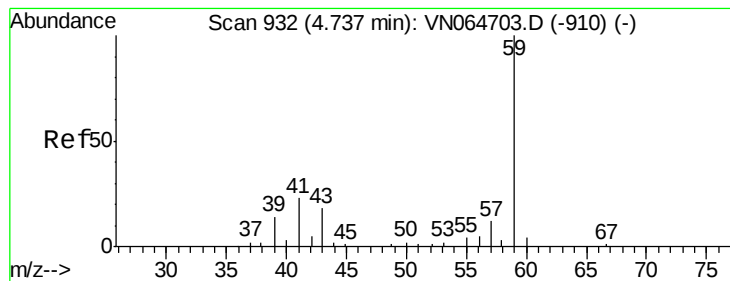
MMDadoda
11/19/2020 2:10:49 PM



#10
Methyl Iodide
Concen: 17.358 ug/l
RT: 3.91 min Scan# 675
Delta R.T. 0.00 min
Lab File: VN064711.D
Acq: 18 Nov 2020 16:57

Tgt Ion	Ratio	Lower	Upper
142	100		
127	54.1	42.0	63.0
141	14.8	12.1	18.1





#11

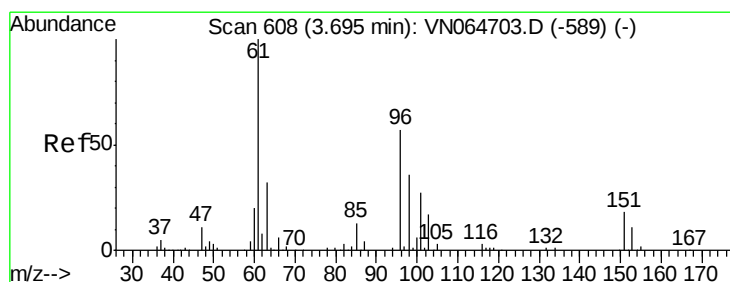
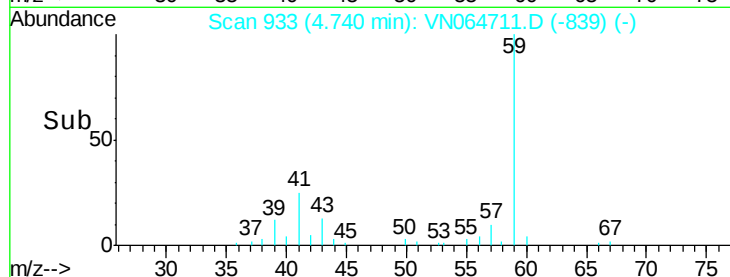
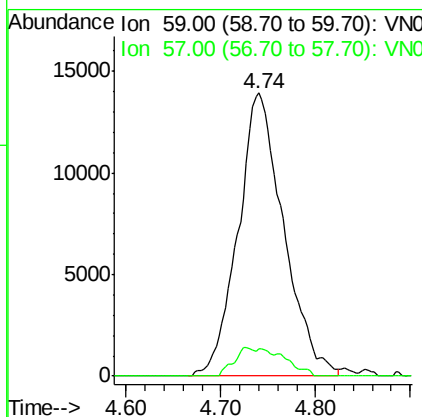
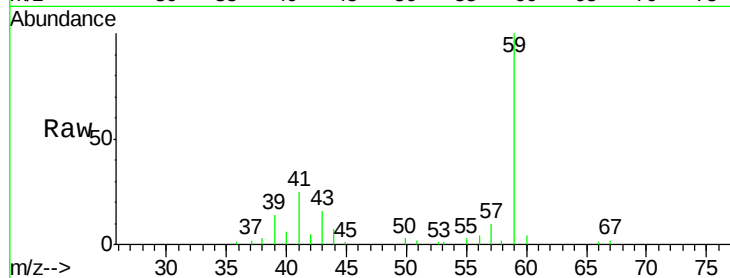
Tert butyl alcohol
Concen: 103.899 ug/l
RT: 4.74 min Scan# 933
Delta R.T. 0.00 min
Lab File: VN064711.D
Acq: 18 Nov 2020 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.7	9.1	13.7#

Manual Integrations
APPROVED

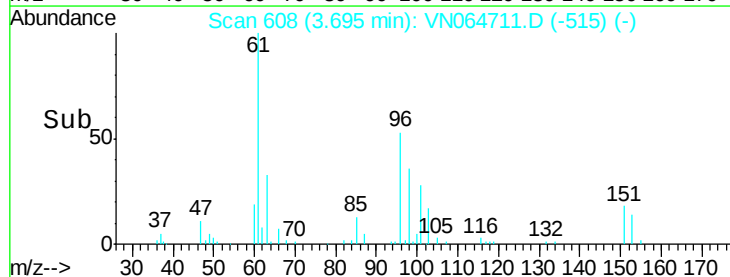
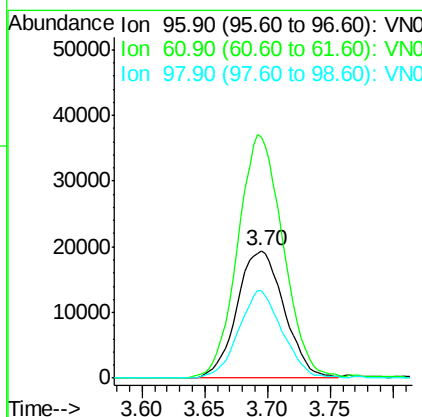
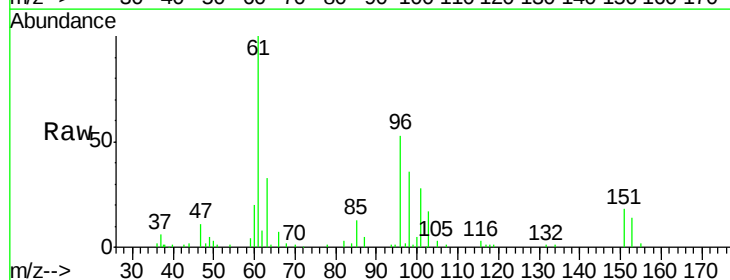
MMDadoda
11/19/2020 2:10:49 PM

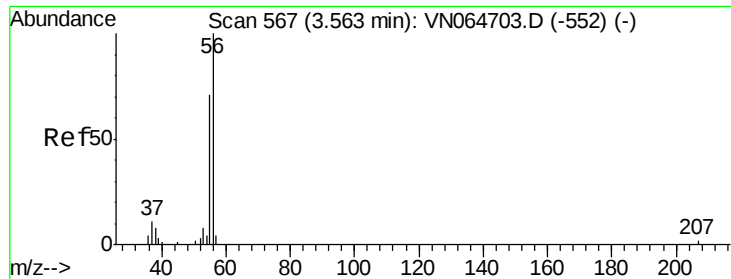


#12

1,1-Dichloroethene
Concen: 17.947 ug/l
RT: 3.70 min Scan# 608
Delta R.T. 0.00 min
Lab File: VN064711.D
Acq: 18 Nov 2020 16:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	188.7	139.1	208.7
98	68.3	50.2	75.2





#13

Acrolein

Concen: 113.617 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.01 min

Lab File: VN064711.D

Acq: 18 Nov 2020 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1118WBS01

Tot Ion: 56 Resp: 11956

Ion Ratio Lower Upper

56 100

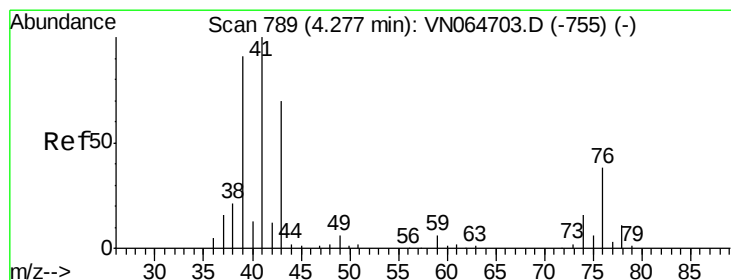
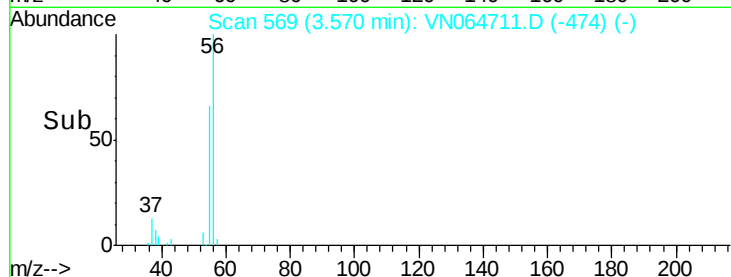
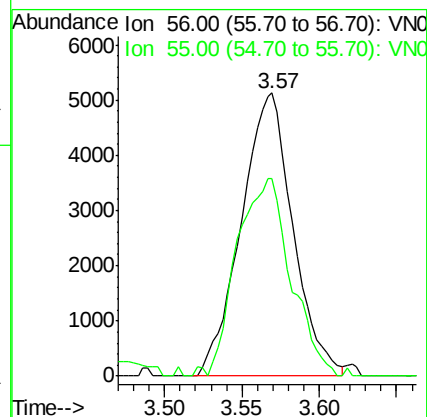
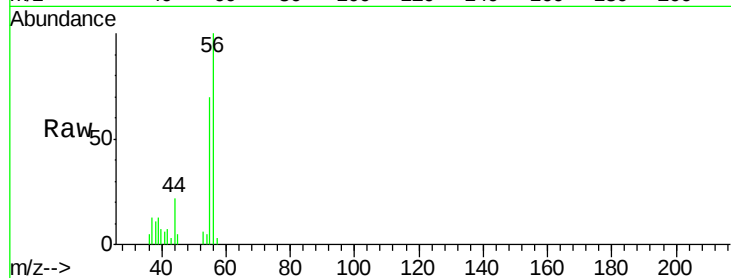
55 73.1 61.8 92.6

Manual Integrations

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#14

Allyl chloride

Concen: 19.089 ug/l

RT: 4.28 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN064711.D

Acq: 18 Nov 2020 16:57

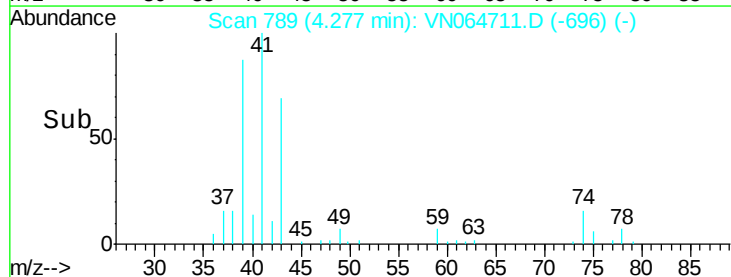
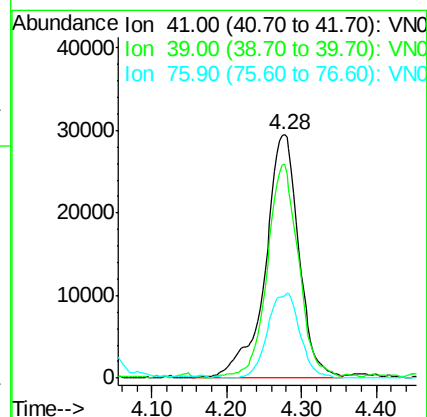
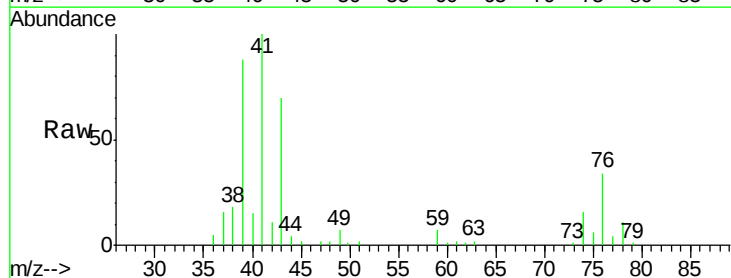
Tgt Ion: 41 Resp: 92803

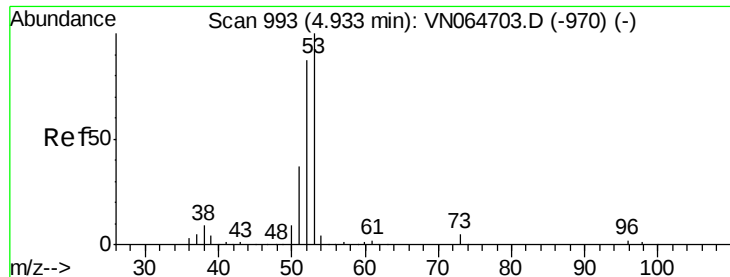
Ion Ratio Lower Upper

41 100

39 81.8 66.1 99.1

76 33.3 26.6 40.0





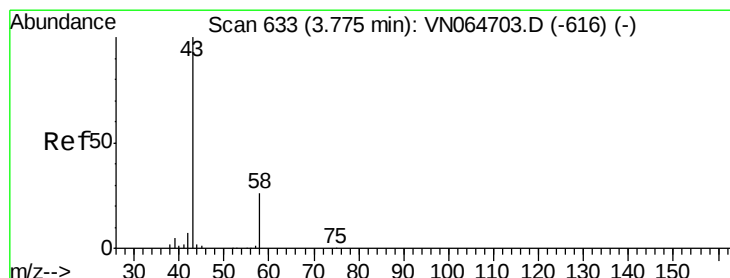
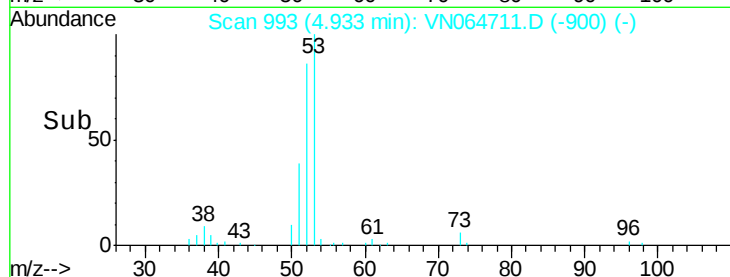
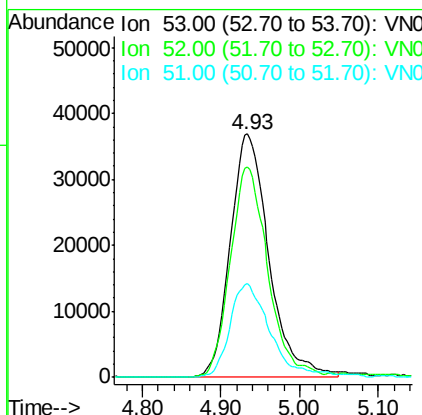
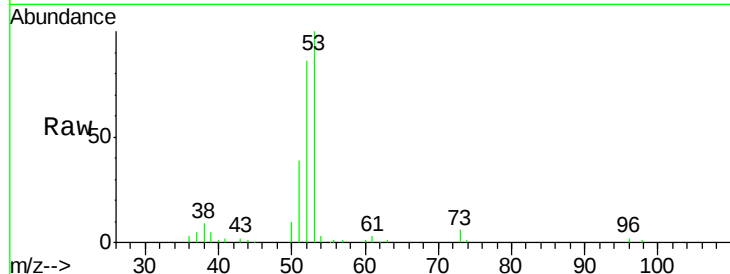
#15
 Acrylonitrile
 Concen: 96.023 ug/l
 RT: 4.93 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VN064711.D
 Acq: 18 Nov 2020 16:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118WBS01

Tot Ion:	53	Resp:	126730
Ion	Ratio	Lower	Upper
53	100		
52	84.0	67.2	100.8
51	39.1	31.0	46.6

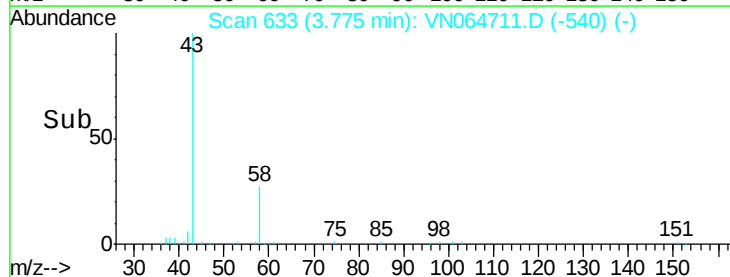
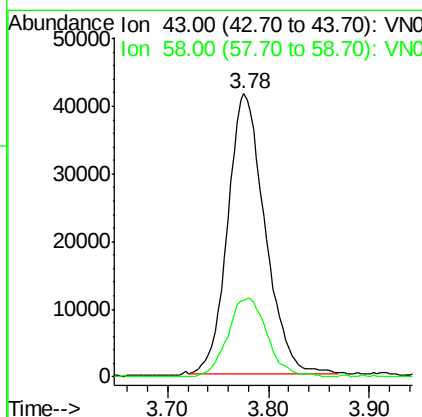
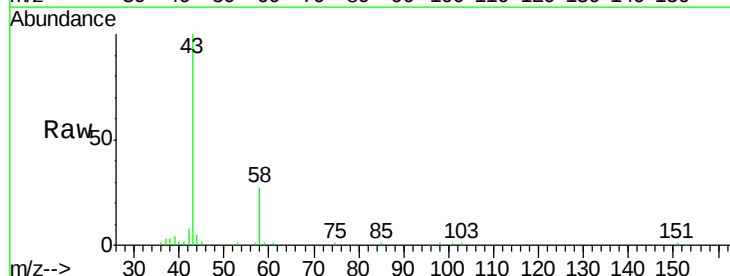
Manual Integrations
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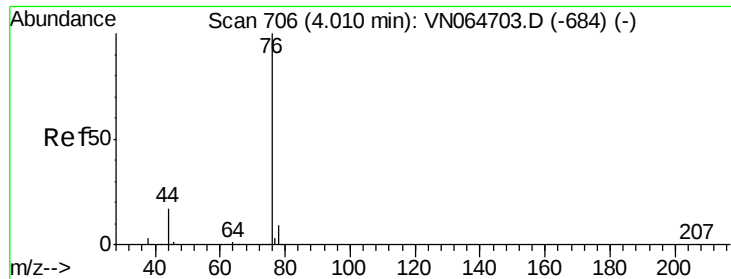
MMDadoda
 11/19/2020 2:10:49 PM



#16
 Acetone
 Concen: 97.817 ug/l
 RT: 3.78 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: VN064711.D
 Acq: 18 Nov 2020 16:57

Tgt Ion:	43	Resp:	106118
Ion	Ratio	Lower	Upper
43	100		
58	27.4	21.2	31.8





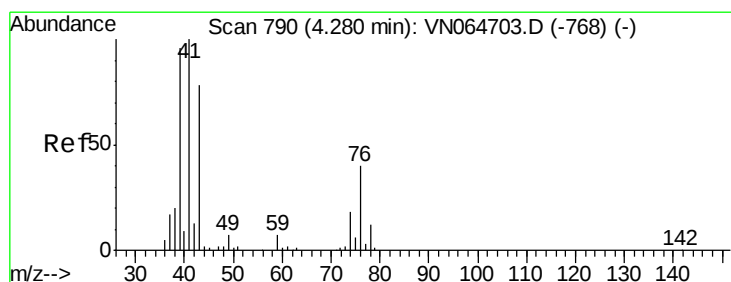
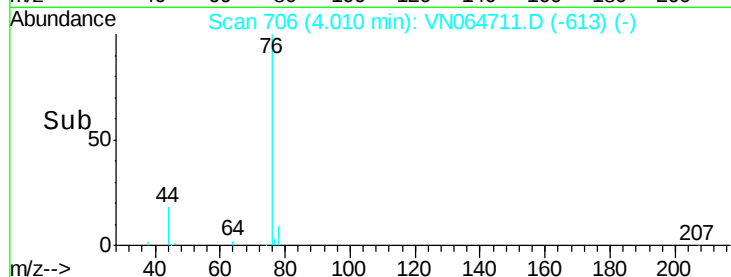
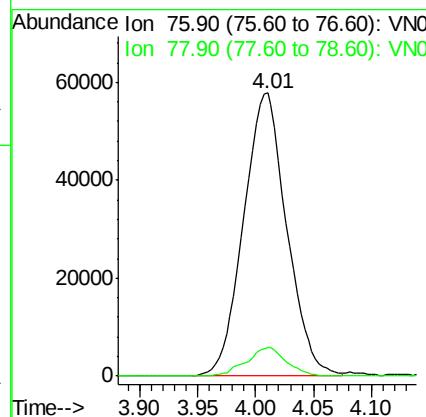
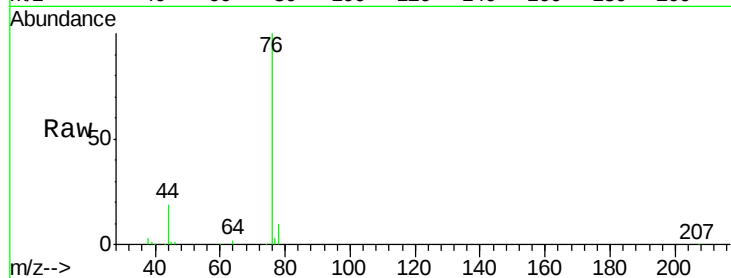
#17
Carbon Disulfide
Concen: 18.307 ug/l
RT: 4.01 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN064711.D
Acq: 18 Nov 2020 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBS01

Tot Ion: 76 Resp: 150054
Ion Ratio Lower Upper
76 100
78 10.0 7.1 10.7

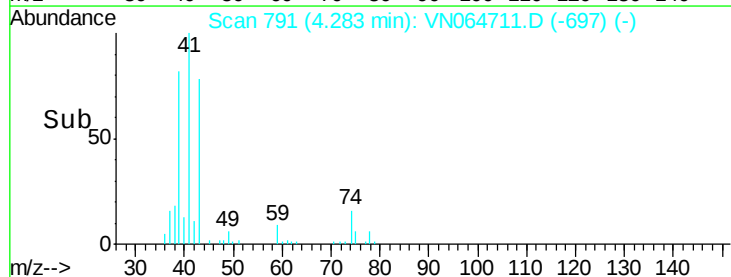
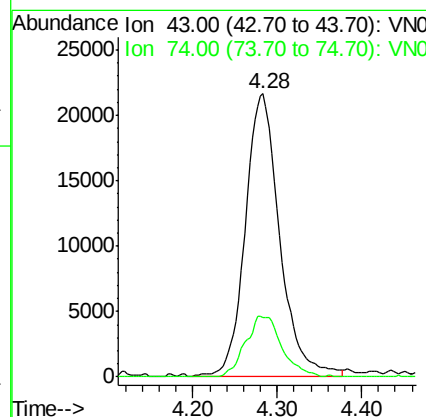
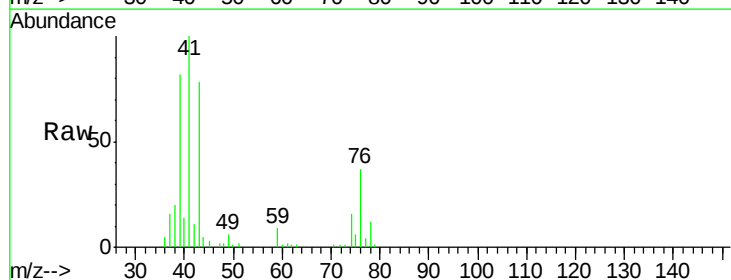
Manual Integrations
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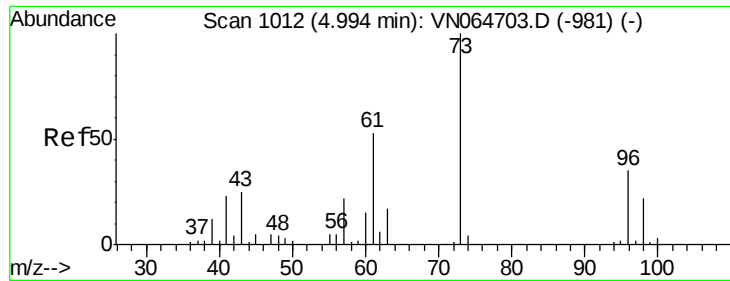
MMDadoda
11/19/2020 2:10:49 PM



#18
Methyl Acetate
Concen: 19.025 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN064711.D
Acq: 18 Nov 2020 16:57

Tgt Ion: 43 Resp: 61793
Ion Ratio Lower Upper
43 100
74 22.5 17.6 26.4





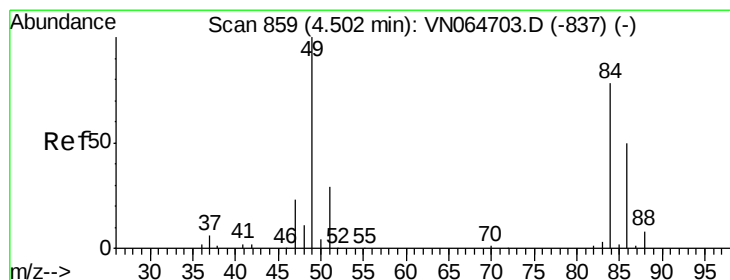
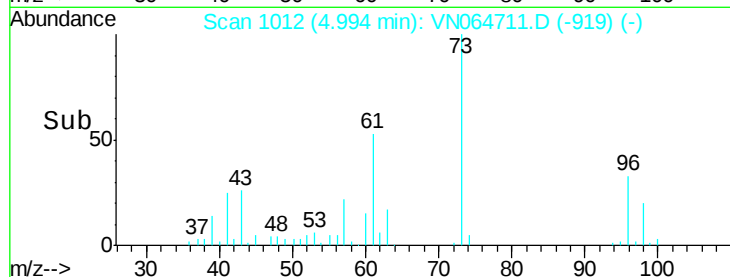
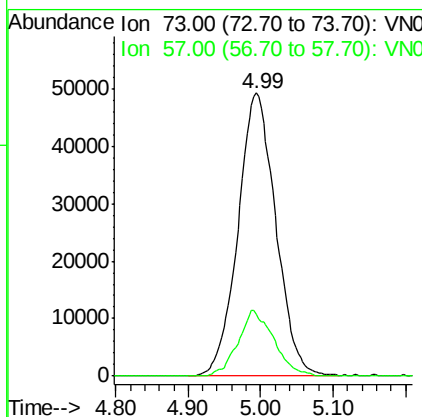
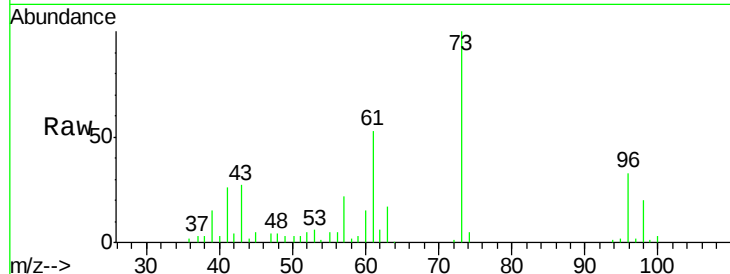
#19
Methvl tert-butvl Ether
Concen: 18.827 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN064711.D
Acq: 18 Nov 2020 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBS01

Tot Ion: 73 Resp: 178365
Ion Ratio Lower Upper
73 100
57 21.7 17.3 25.9

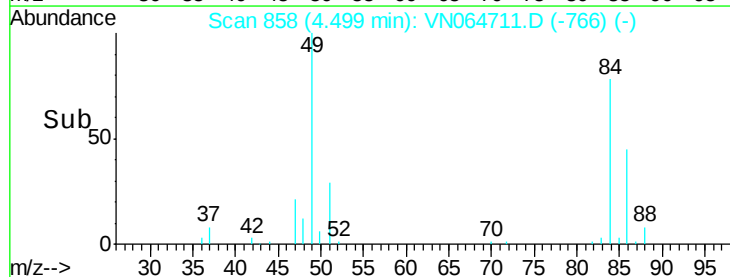
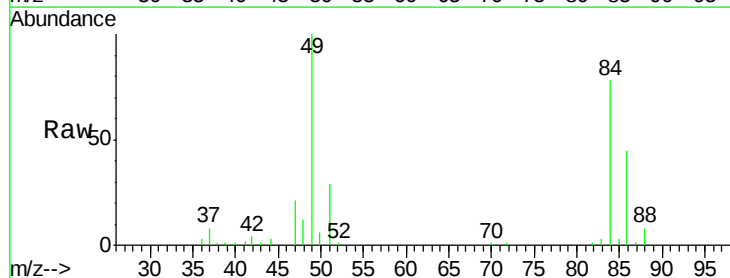
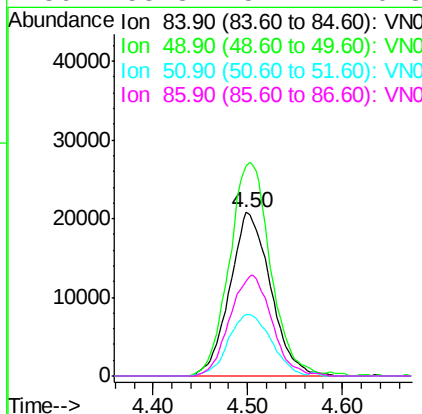
Manual Integrations
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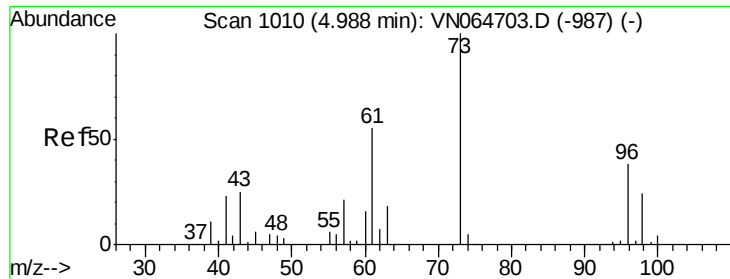
MMDadoda
11/19/2020 2:10:49 PM



#20
Methylene Chloride
Concen: 18.225 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.00 min
Lab File: VN064711.D
Acq: 18 Nov 2020 16:57

Tgt Ion: 84 Resp: 62526
Ion Ratio Lower Upper
84 100
49 128.5 102.4 153.6
51 37.5 29.4 44.2
86 58.3 51.2 76.8





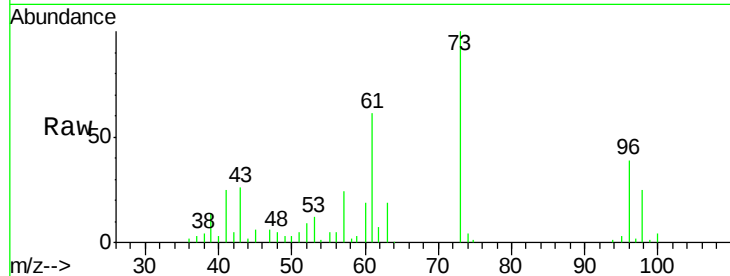
#21
trans-1,2-Dichloroethene
Concen: 18.091 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN064711.D
Acq: 18 Nov 2020 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.7	117.9	176.9
98	63.5	51.1	76.7

Manual Integrations
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MMDadoda
11/19/2020 2:10:49 PM

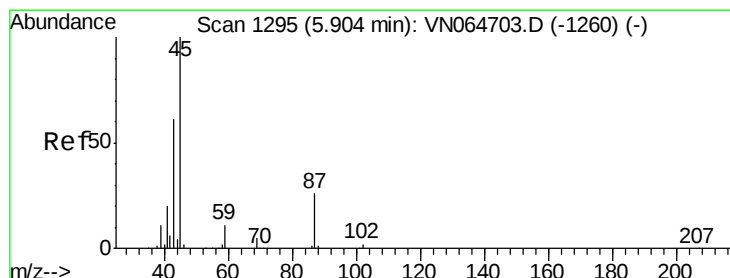
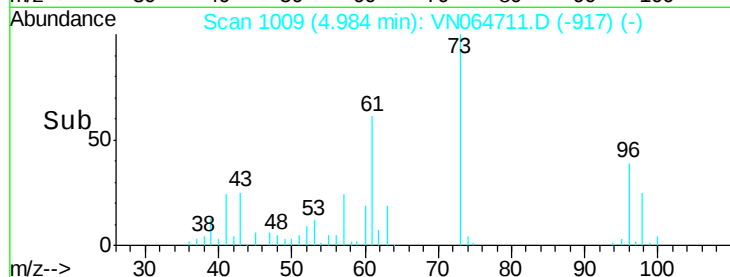
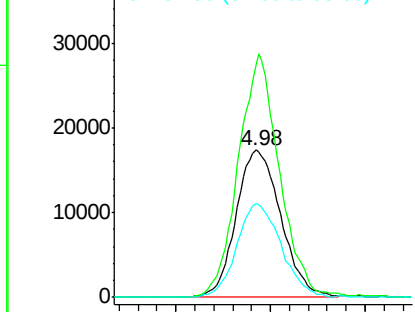


Abundance

Ion 95.90 (95.60 to 96.60): VN064703.D (-987) (-)

Ion 60.90 (60.60 to 61.60): VN064703.D (-987) (-)

Ion 97.90 (97.60 to 98.60): VN064703.D (-987) (-)



#22
Diisopropyl ether
Concen: 19.007 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN064711.D
Acq: 18 Nov 2020 16:57

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.1	52.3	78.5
87	26.1	21.6	32.4
59	11.5	8.7	13.1

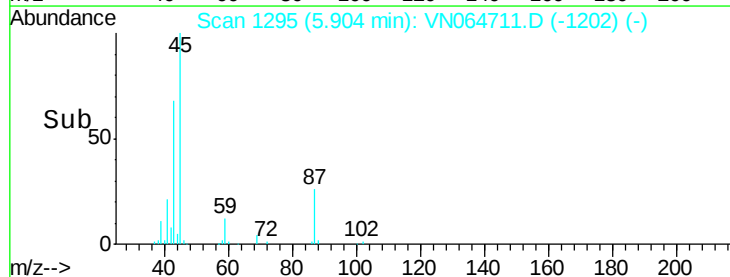
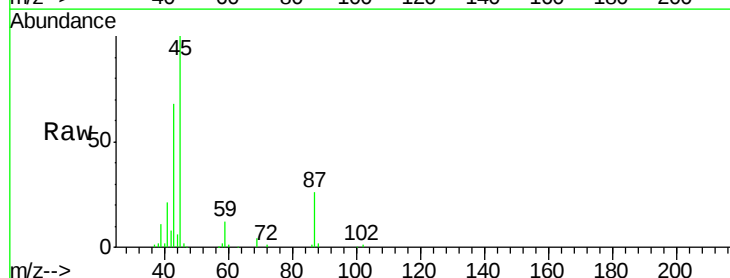
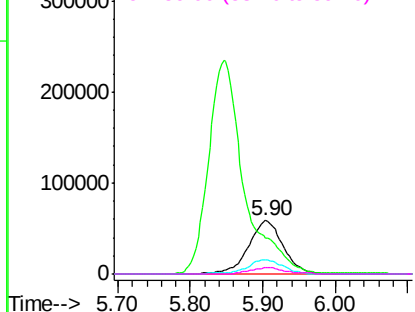
Abundance

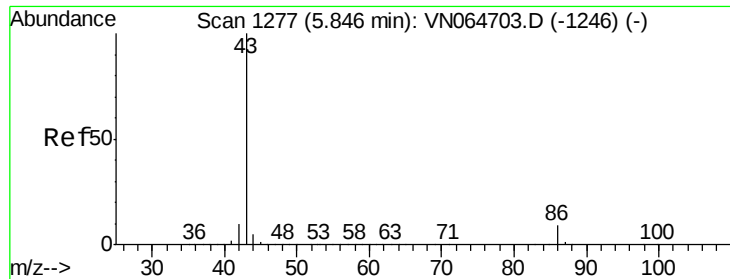
Ion 45.00 (44.70 to 45.70): VN064703.D (-1260) (-)

Ion 43.00 (42.70 to 43.70): VN064703.D (-1260) (-)

Ion 87.00 (86.70 to 87.70): VN064703.D (-1260) (-)

Ion 59.00 (58.70 to 59.70): VN064703.D (-1260) (-)





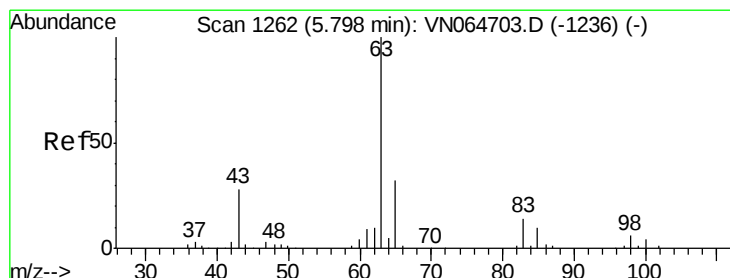
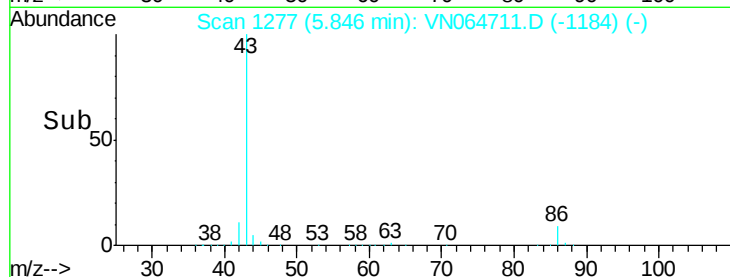
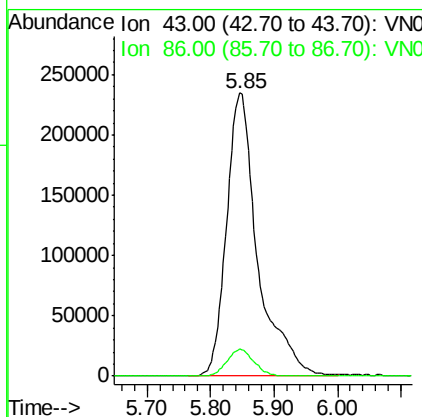
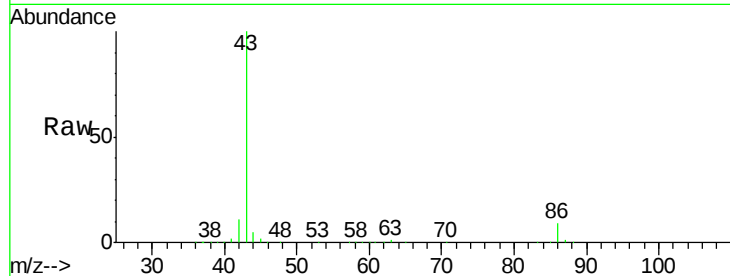
#23
 Vinyl Acetate
 Concen: 96.490 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VN064711.D
 Acq: 18 Nov 2020 16:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118WBS01

Tot Ion	43	Resp	799499
Ion Ratio	100	Lower	Upper
43	100		
86	9.5	7.4	11.0

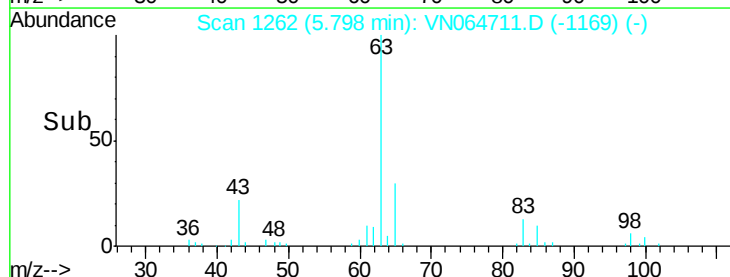
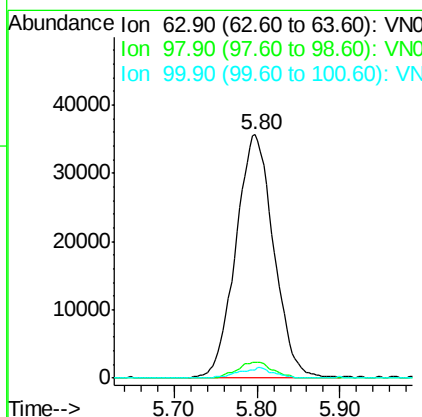
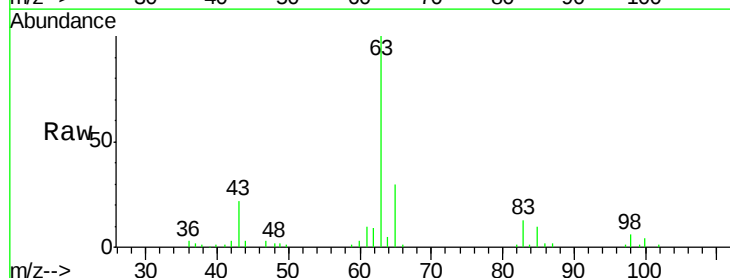
Manual Integrations
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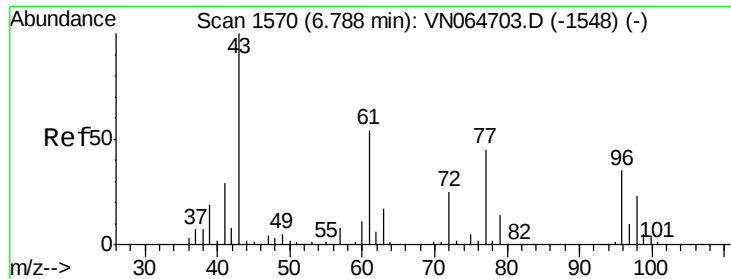
MMDadoda
 11/19/2020 2:10:49 PM



#24
 1,1-Dichloroethane
 Concen: 18.854 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN064711.D
 Acq: 18 Nov 2020 16:57

Tgt Ion	63	Resp	113411
Ion Ratio	100	Lower	Upper
63	100		
98	6.5	3.2	9.6
100	3.5	1.9	5.7





#25

2-Butanone

Concen: 100.423 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN064711.D

Acq: 18 Nov 2020 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1118WBS01

Tot Ion: 43 Resp: 177874

Ion Ratio Lower Upper

43 100

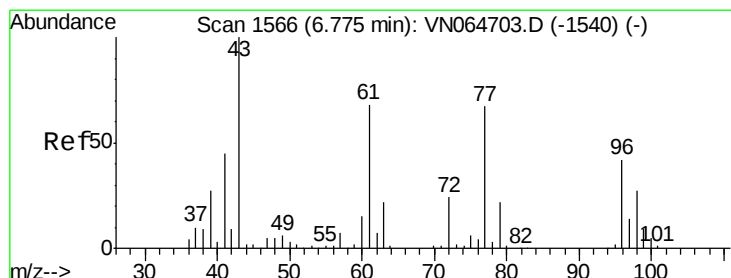
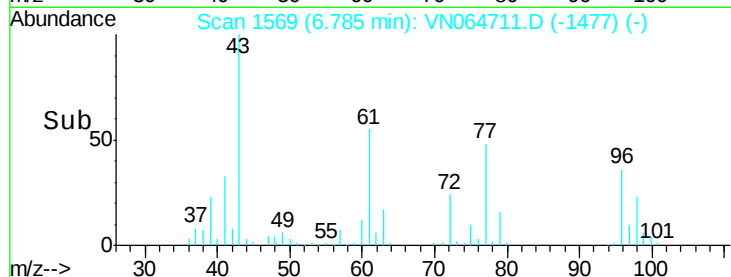
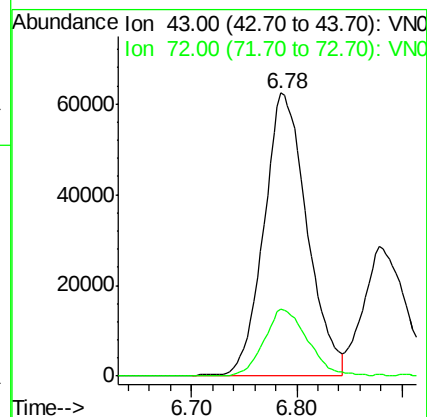
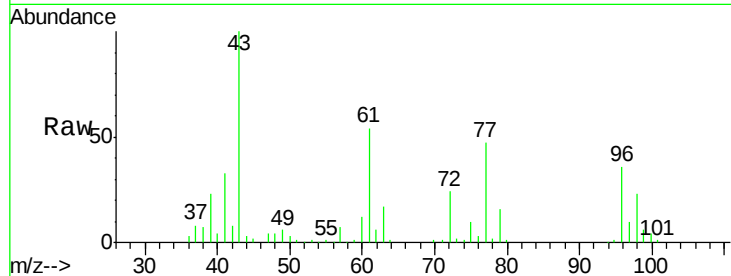
72 23.7 19.7 29.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.417 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN064711.D

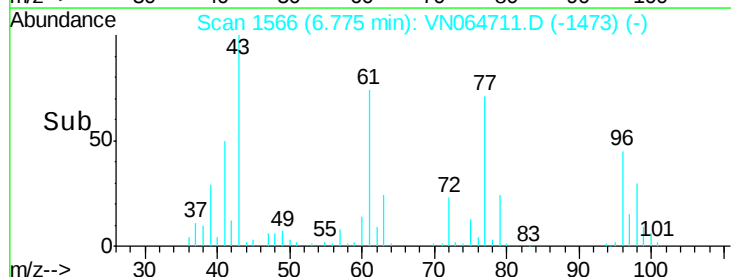
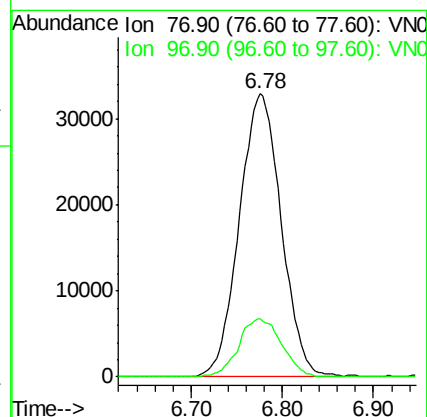
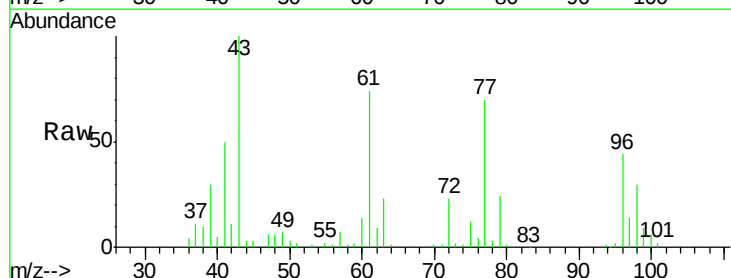
Acq: 18 Nov 2020 16:57

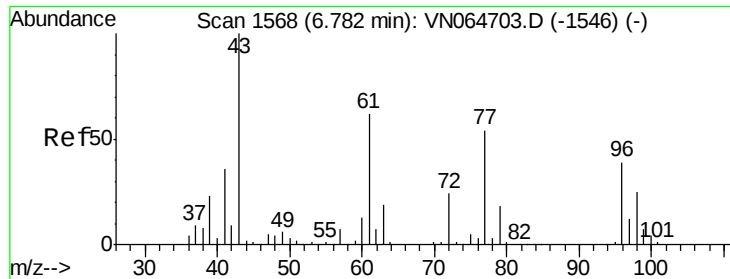
Tgt Ion: 77 Resp: 105272

Ion Ratio Lower Upper

77 100

97 21.1 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 18.714 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064711.D

Acq: 18 Nov 2020 16:57

Instrument :

MSVOA_N

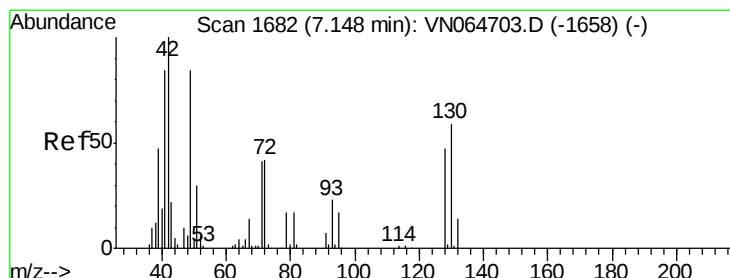
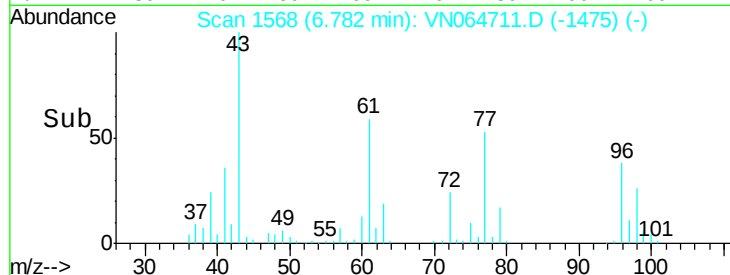
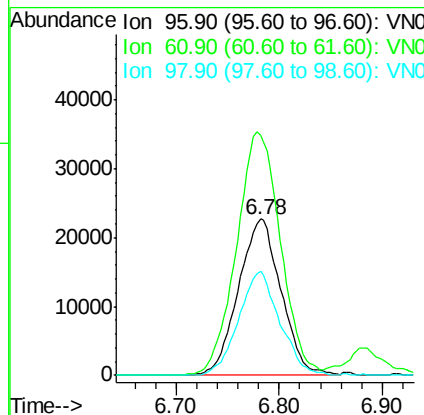
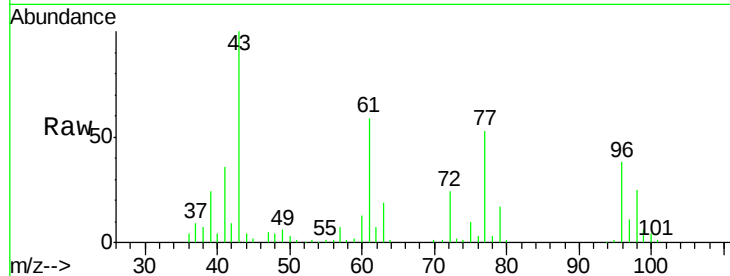
ClientSampleId :

VN1118WBS01

Tot Ion:	96	Resp:	65184
Ion	Ratio	Lower	Upper
96	100		
61	160.5	0.0	322.6
98	64.1	0.0	128.6

Manual Integrations
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#28

Bromochloromethane

Concen: 18.662 ug/l

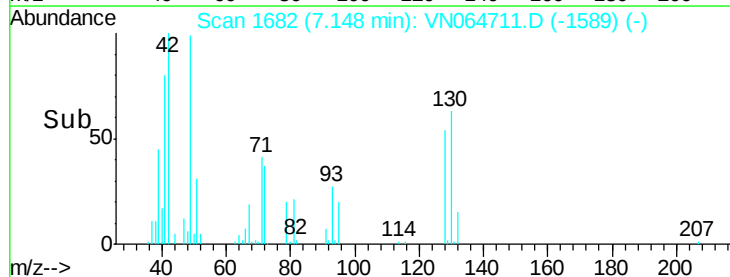
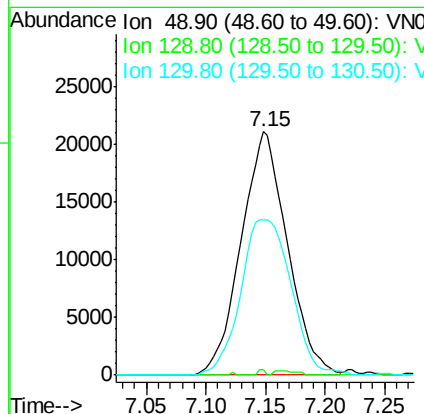
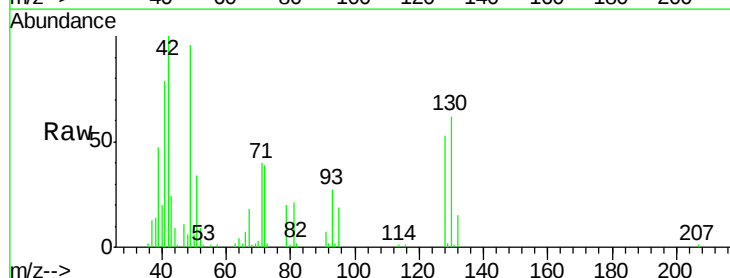
RT: 7.15 min Scan# 1682

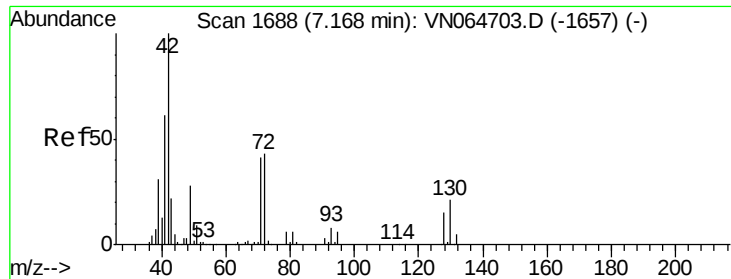
Delta R.T. 0.00 min

Lab File: VN064711.D

Acq: 18 Nov 2020 16:57

Tgt Ion:	49	Resp:	56600
Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	3.8
130	69.6	56.2	84.4





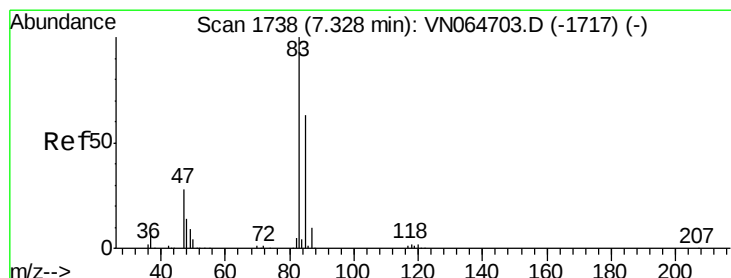
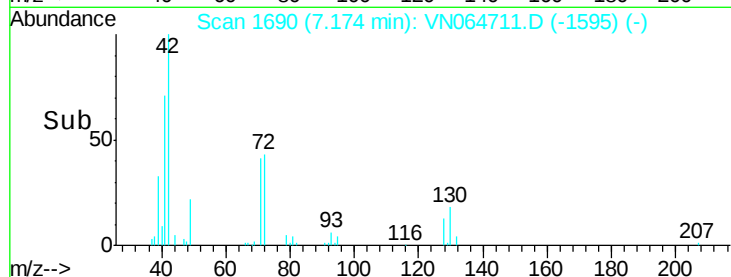
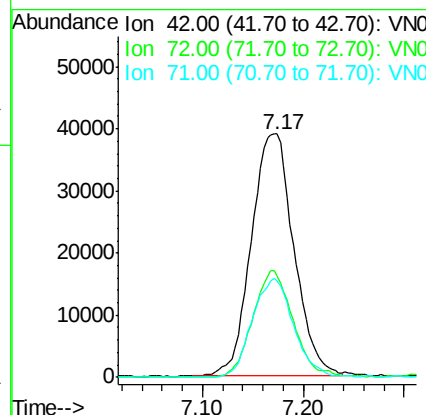
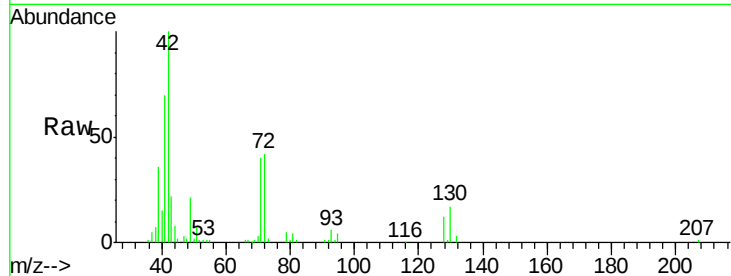
#29
Tetrahydrofuran
Concen: 95.421 ug/l
RT: 7.17 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VN064711.D
Acq: 18 Nov 2020 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	33.0	49.4
71	39.6	31.8	47.6

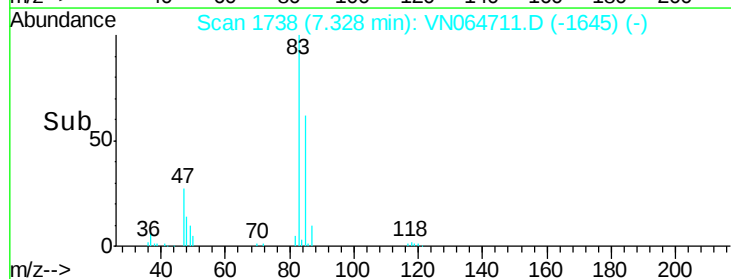
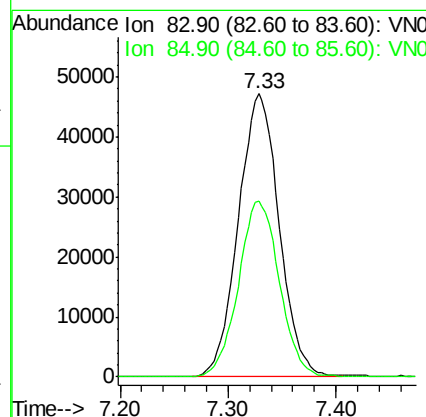
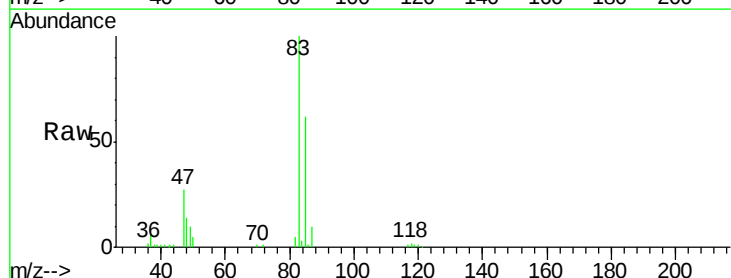
Manual Integrations
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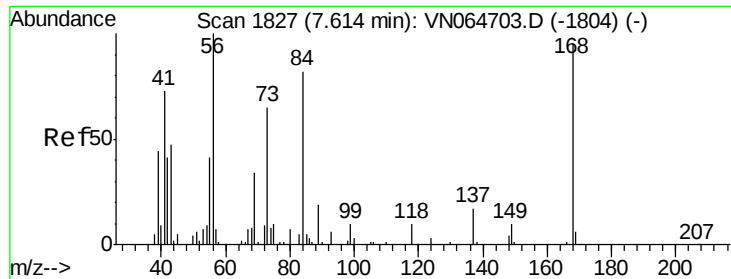
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#30
Chloroform
Concen: 18.990 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064711.D
Acq: 18 Nov 2020 16:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.2	50.6	75.8





#31

Cyclohexane

Concen: 17.853 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN064711.D

Acq: 18 Nov 2020 16:57

Instrument :

MSVOA_N

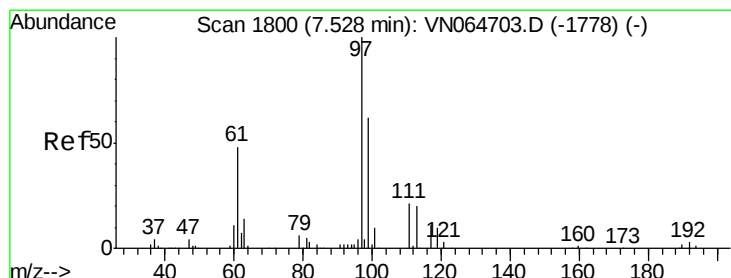
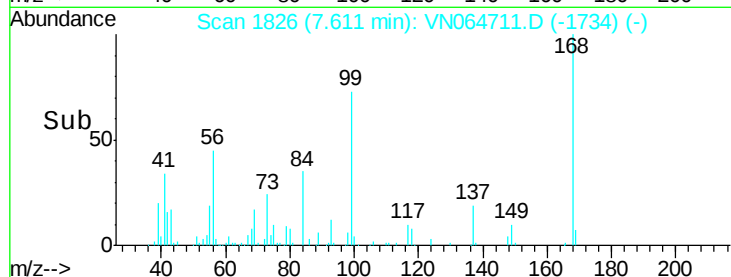
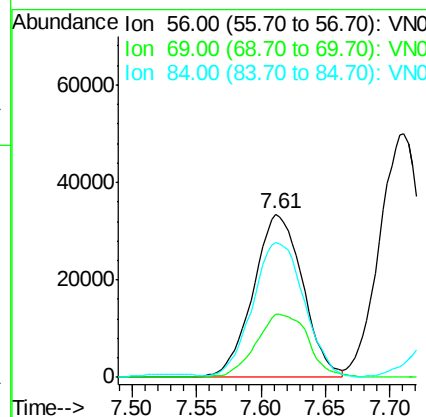
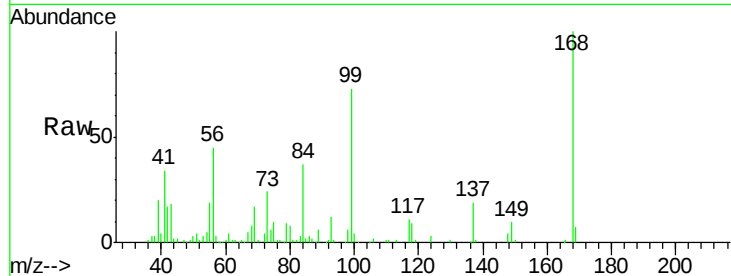
ClientSampleId :

VN1118WBS01

Tot Ion:	56	Resp:	89420
Ion Ratio	Lower	Upper	
56	100		
69	38.6	27.2	40.8
84	80.8	65.9	98.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.372 ug/l

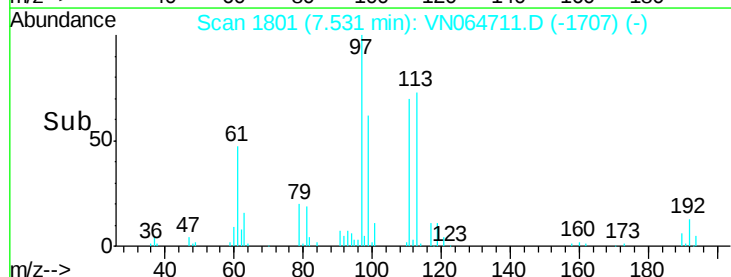
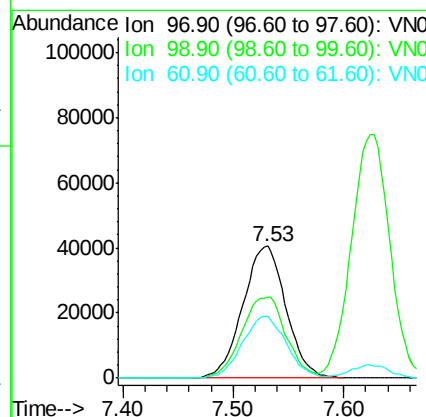
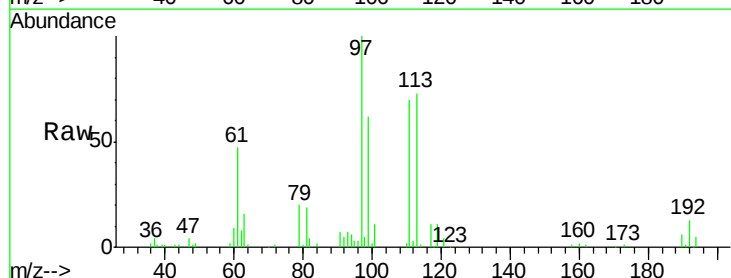
RT: 7.53 min Scan# 1801

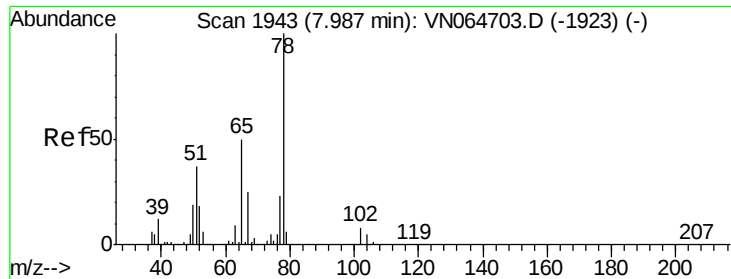
Delta R.T. 0.00 min

Lab File: VN064711.D

Acq: 18 Nov 2020 16:57

Tgt Ion:	97	Resp:	109767
Ion Ratio	Lower	Upper	
97	100		
99	63.3	50.6	76.0
61	47.7	38.3	57.5





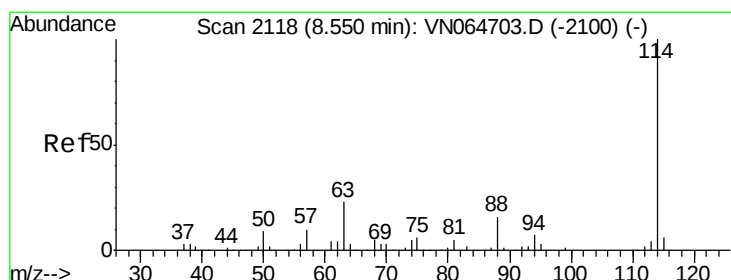
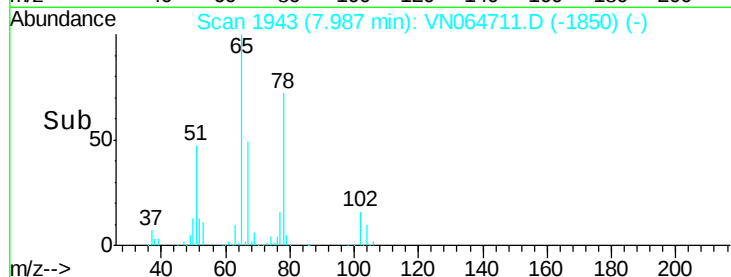
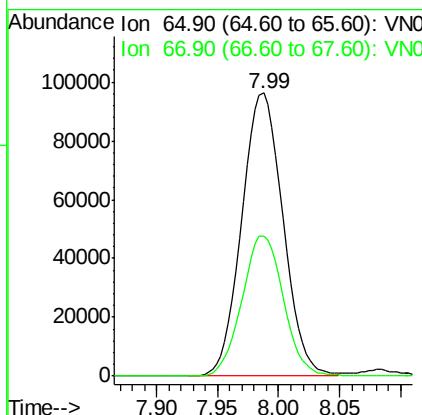
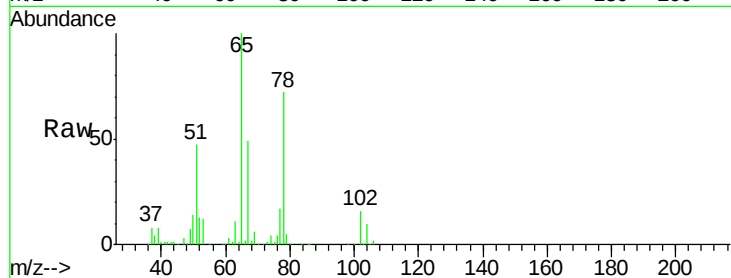
#33
 1,2-Dichloroethane-d4
 Concen: 48.733 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064711.D
 Acq: 18 Nov 2020 16:57

Instrument :
 MSVOA_N
 ClientSampled :
 VN1118WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	225775		
67	49.7	0.0	99.8	

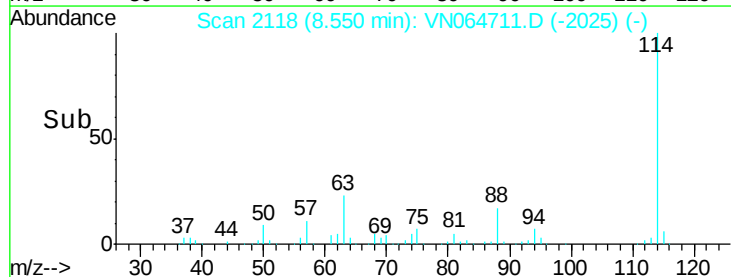
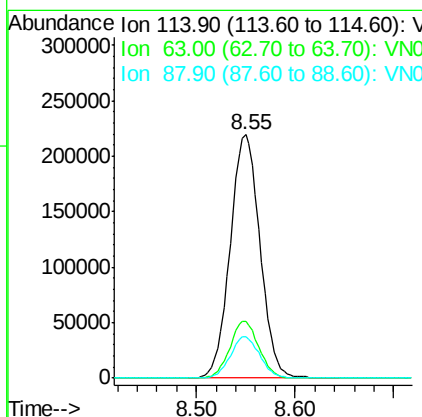
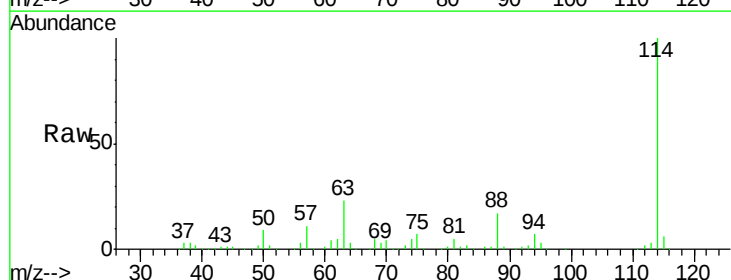
Manual Integrations
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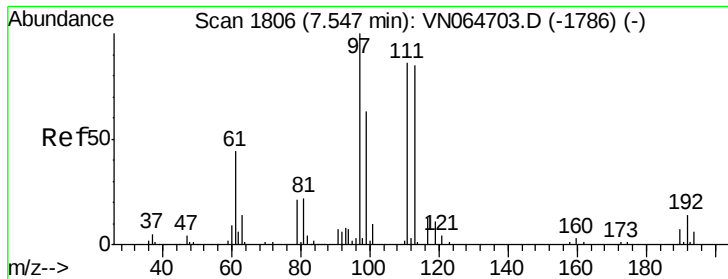
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064711.D
 Acq: 18 Nov 2020 16:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	462452		
63	23.2	0.0	46.0	
88	17.2	0.0	31.2	





#35

Dibromofluoromethane

Concen: 49.071 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN064711.D

Acq: 18 Nov 2020 16:57

Instrument :

MSVOA_N

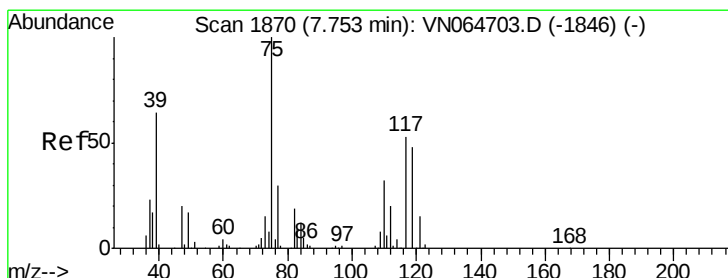
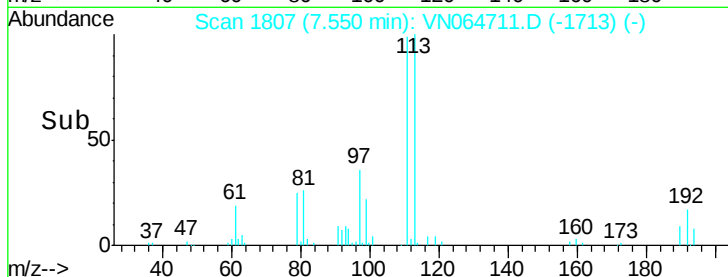
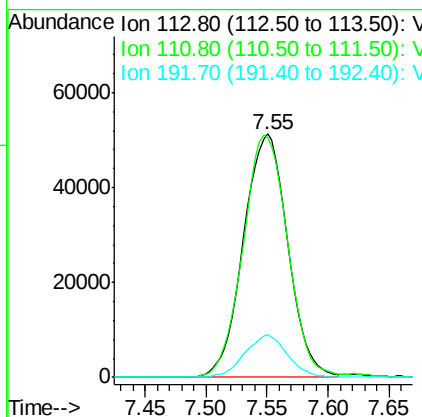
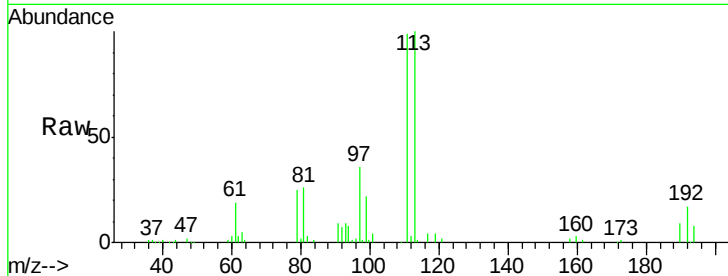
ClientSampleId :

VN1118WBS01

Tot Ion:	113	Resp:	129162
Ion Ratio	Lower	Upper	
113	100		
111	100.1	82.2	123.4
192	16.8	12.7	19.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.016 ug/l

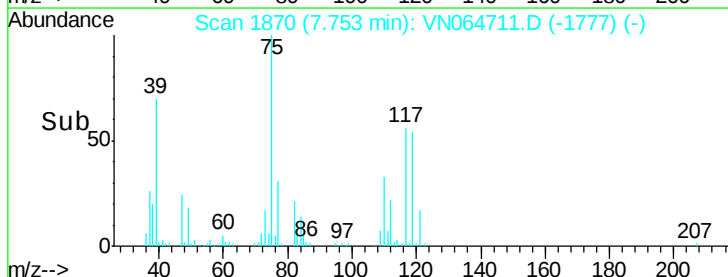
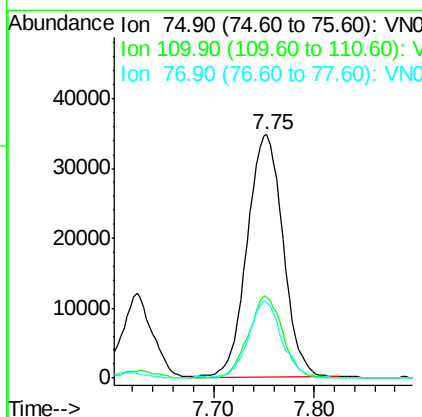
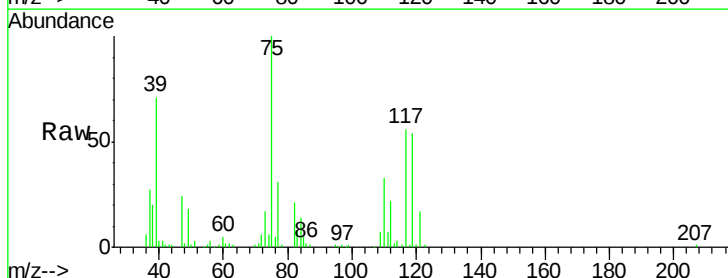
RT: 7.75 min Scan# 1870

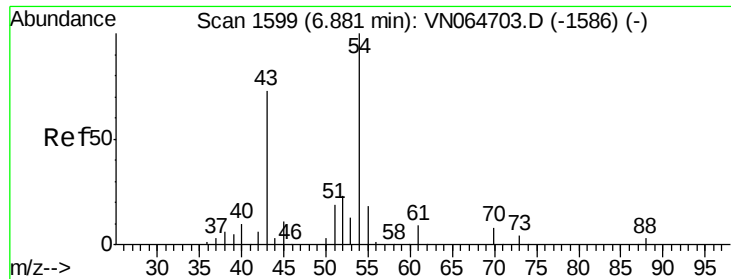
Delta R.T. 0.00 min

Lab File: VN064711.D

Acq: 18 Nov 2020 16:57

Tgt Ion:	75	Resp:	85716
Ion Ratio	Lower	Upper	
75	100		
110	32.2	16.2	48.6
77	29.5	24.4	36.6





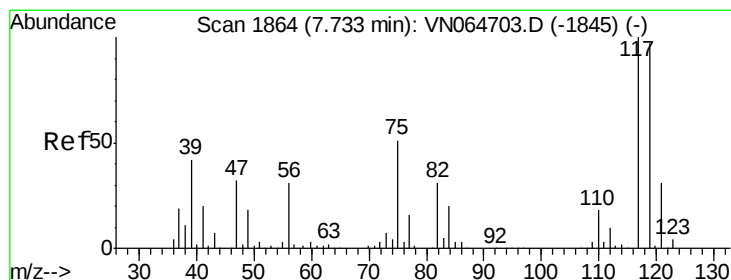
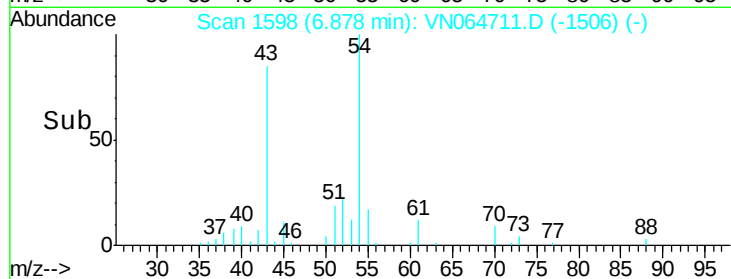
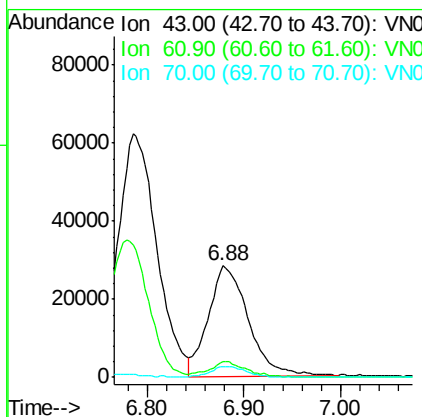
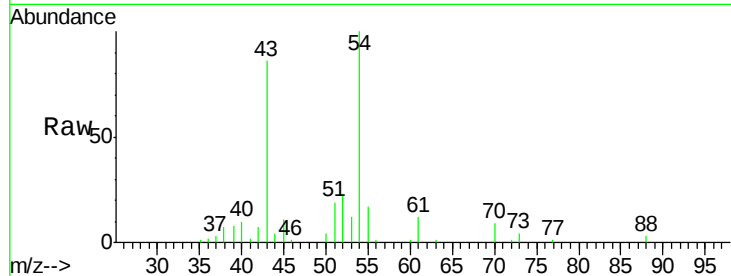
#37
Ethyl Acetate
Concen: 20.294 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN064711.D
Acq: 18 Nov 2020 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.2	10.4	15.6
70	9.3	7.6	11.4

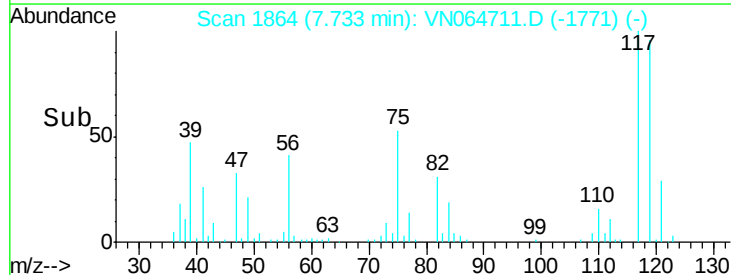
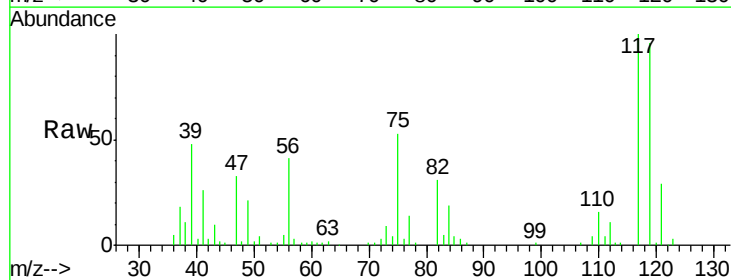
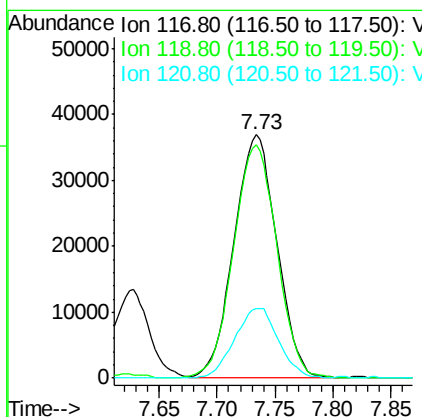
Manual Integrations
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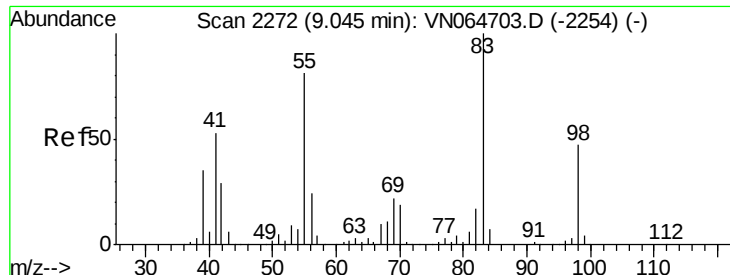
MMDadoda
11/19/2020 2:10:49 PM



#38
Carbon Tetrachloride
Concen: 18.848 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064711.D
Acq: 18 Nov 2020 16:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.8	116.6
121	28.6	24.9	37.3





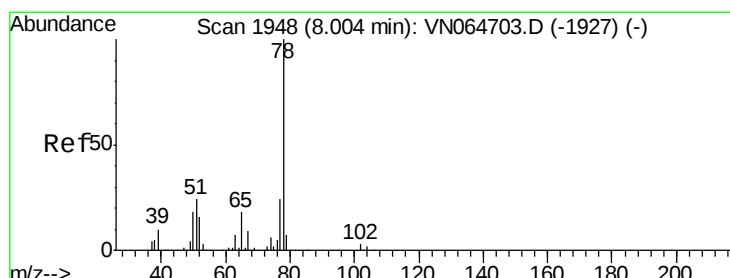
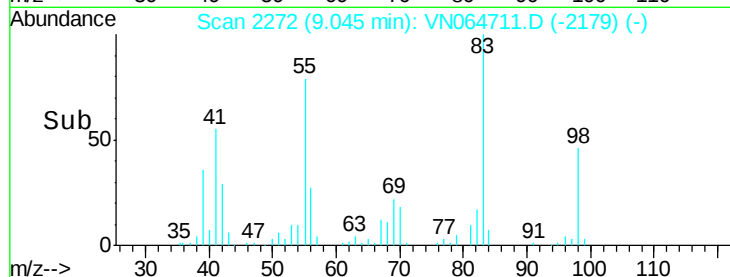
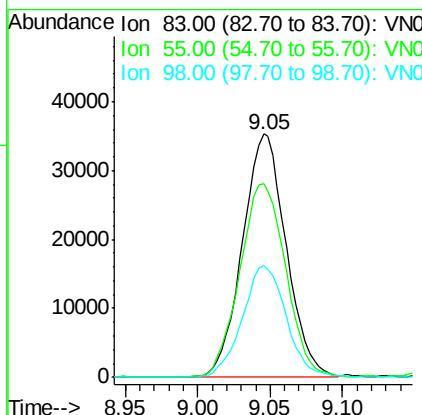
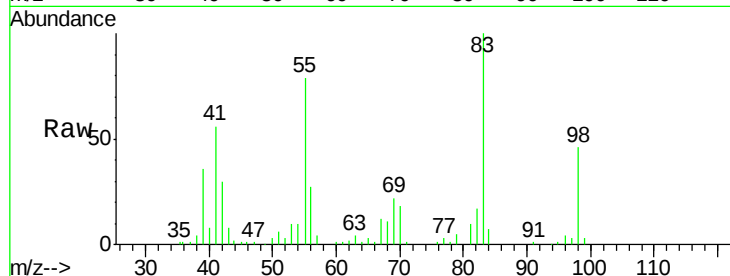
#39
Methvlcvclohexane
Concen: 17.591 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064711.D
Acq: 18 Nov 2020 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.4	64.6	97.0
98	45.9	37.7	56.5

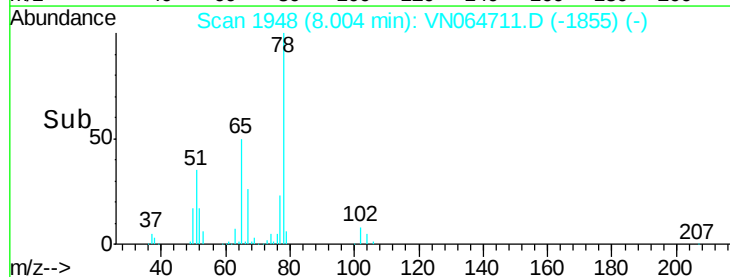
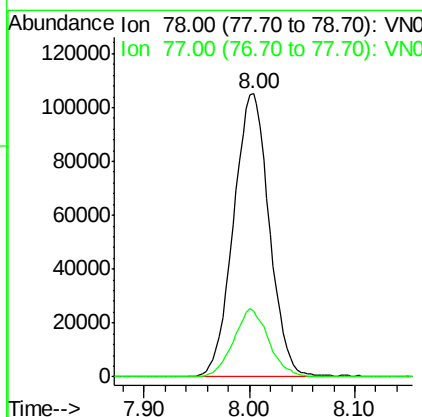
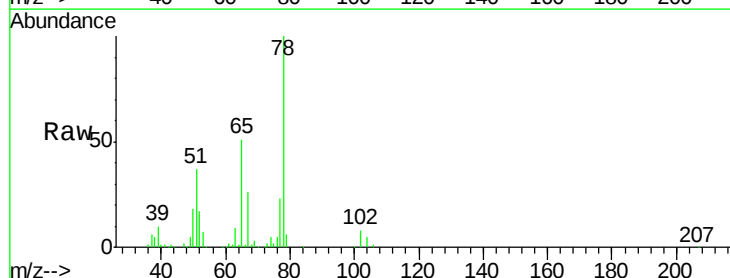
Manual Integrations
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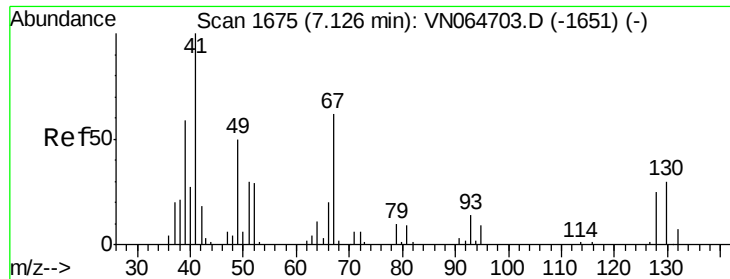
MMDadoda
11/19/2020 2:10:49 PM



#40
Benzene
Concen: 18.667 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064711.D
Acq: 18 Nov 2020 16:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.2	28.8





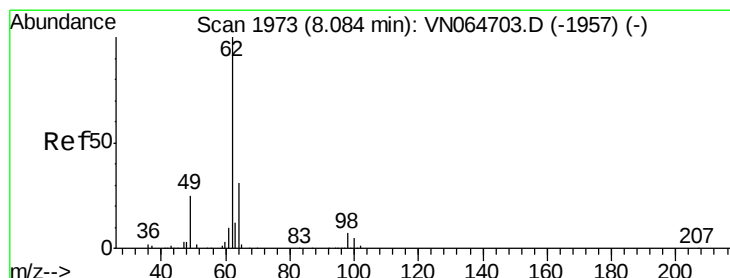
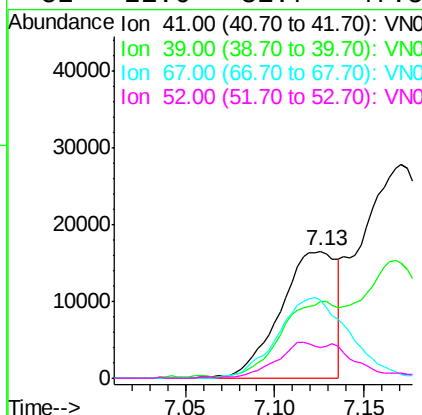
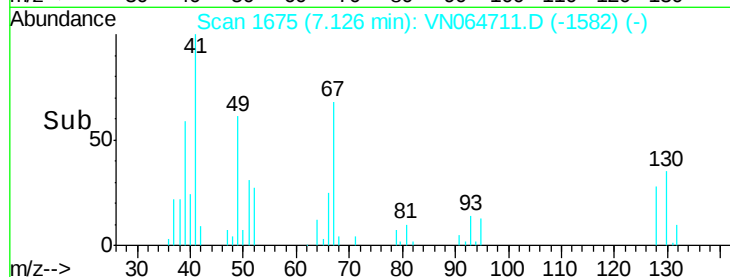
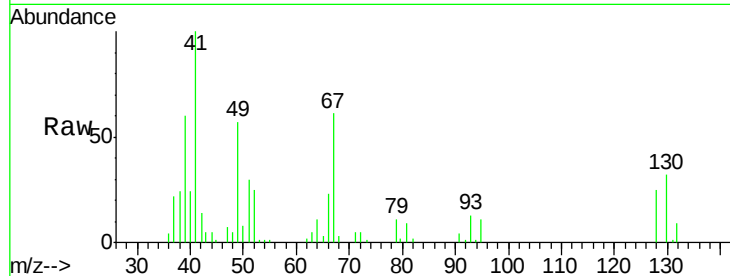
#41
Methacrylonitrile
Concen: 19.871 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN064711.D
Acq: 18 Nov 2020 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBS01

Tot Ion	41	Resp	36283
Ion Ratio	Lower	Upper	
41	100		
39	58.1	46.0	69.0
67	80.6	67.0	100.4
52	21.6	31.7	47.5#

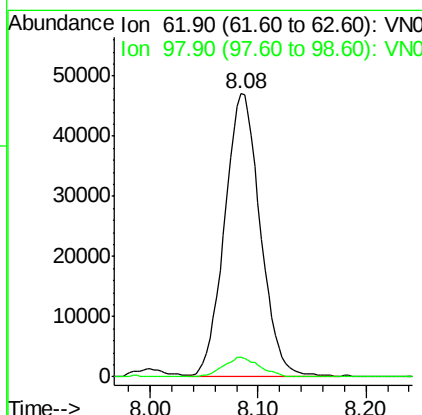
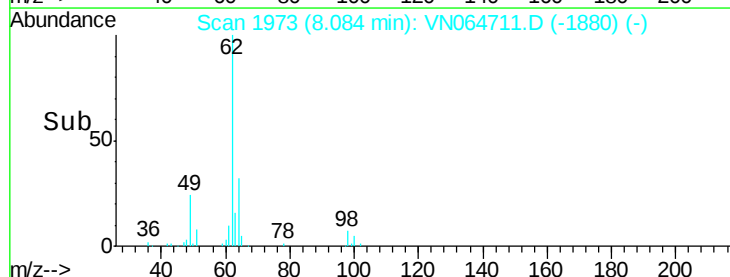
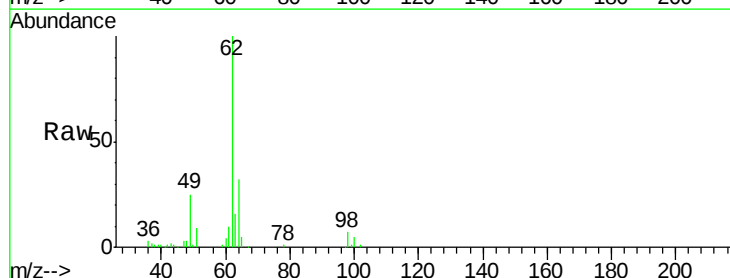
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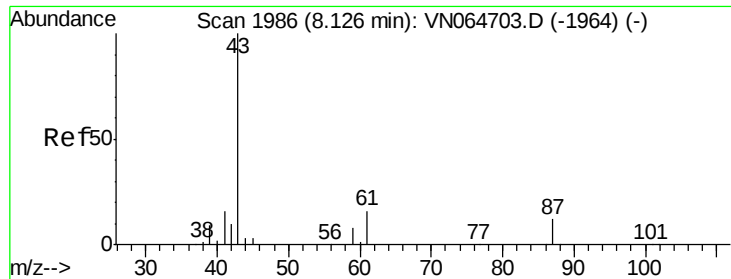
MMDadoda
11/19/2020 2:10:49 PM



#42
1,2-Dichloroethane
Concen: 18.899 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN064711.D
Acq: 18 Nov 2020 16:57

Tgt Ion	62	Resp	107793
Ion Ratio	Lower	Upper	
62	100		
98	7.0	0.0	13.6





#43

Isopropyl Acetate

Concen: 18.523 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN064711.D

Acq: 18 Nov 2020 16:57

Instrument :

MSVOA_N

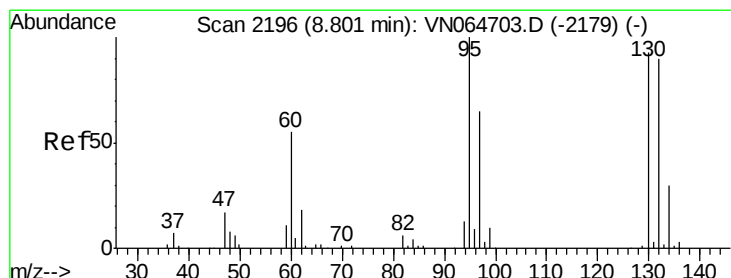
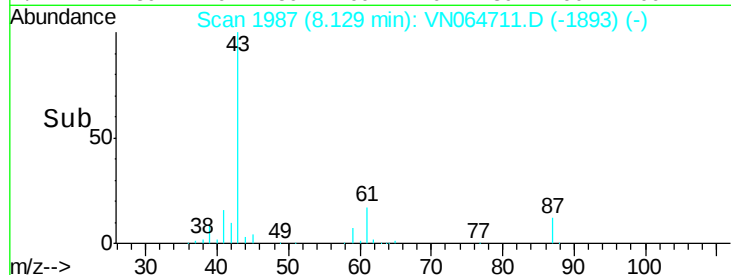
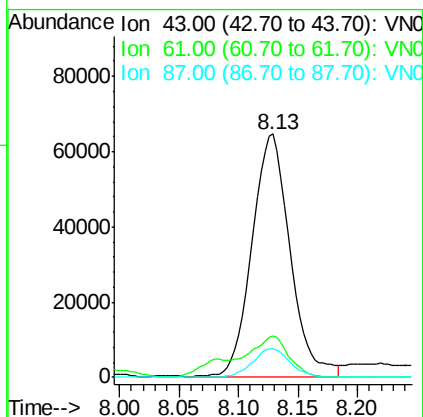
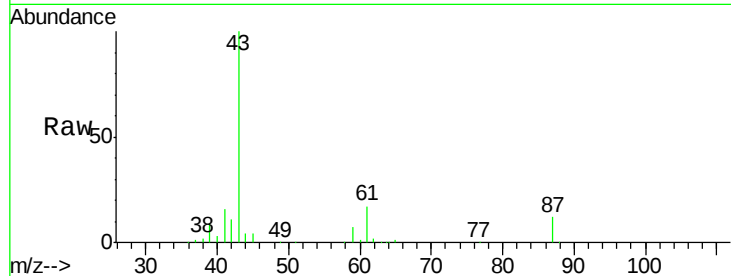
ClientSampleId :

VN1118WBS01

Tot Ion:	43	Resp:	143030
Ion	Ratio	Lower	Upper
43	100		
61	16.6	14.1	21.1
87	11.6	9.1	13.7

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#44

Trichloroethene

Concen: 18.166 ug/l

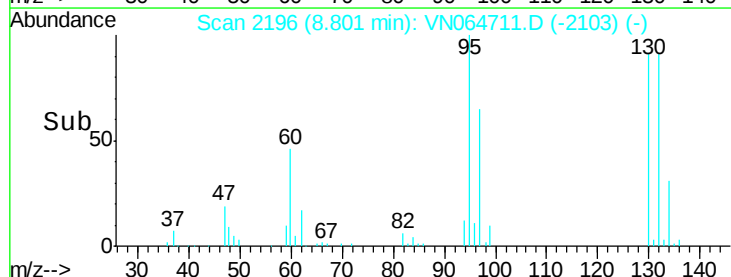
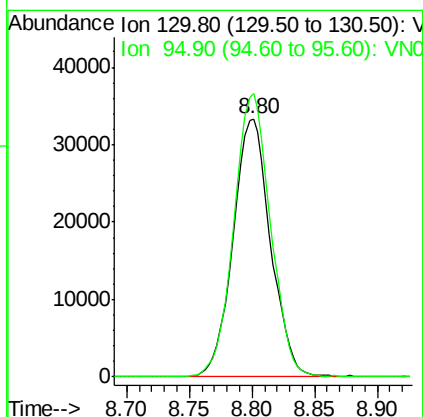
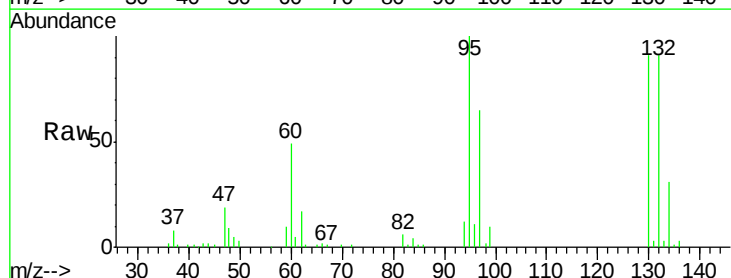
RT: 8.80 min Scan# 2196

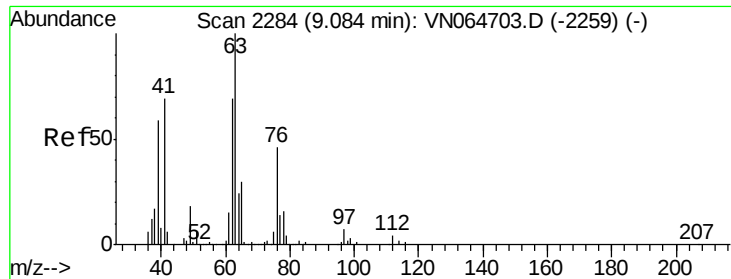
Delta R.T. 0.00 min

Lab File: VN064711.D

Acq: 18 Nov 2020 16:57

Tgt Ion:	130	Resp:	69113
Ion	Ratio	Lower	Upper
130	100		
95	109.7	0.0	214.2





#45

1,2-Dichloropropane

Concen: 18.649 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN064711.D

Acq: 18 Nov 2020 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1118WBS01

Tot Ion: 63 Resp: 65899

Ion Ratio Lower Upper

63 100

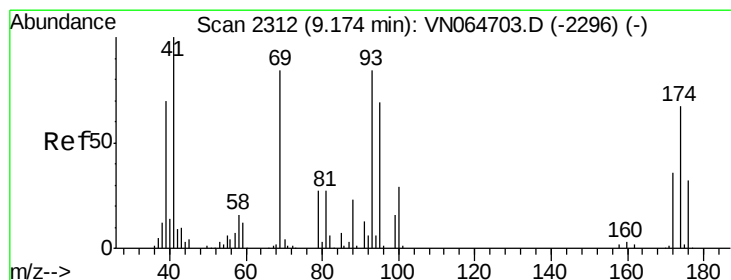
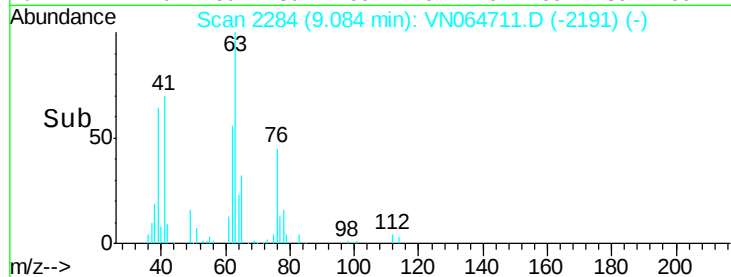
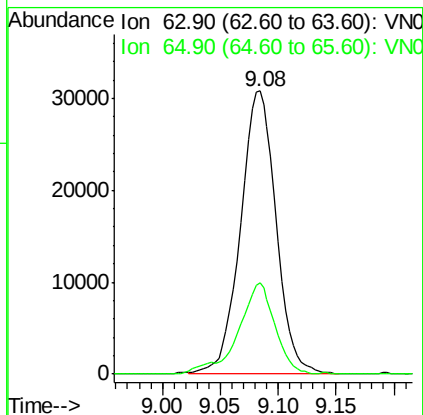
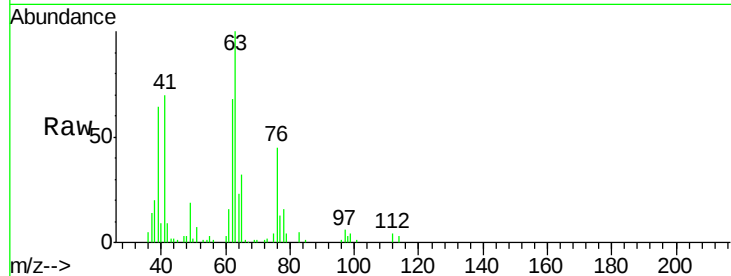
65 32.5 24.0 36.0

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#46

Dibromomethane

Concen: 19.045 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN064711.D

Acq: 18 Nov 2020 16:57

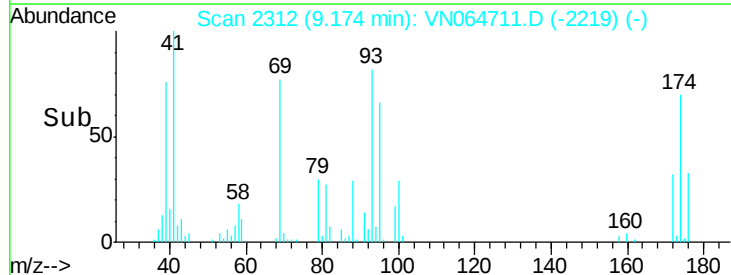
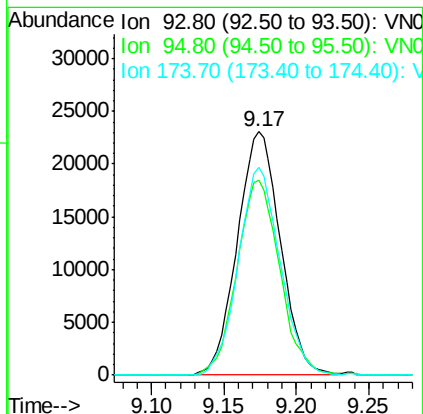
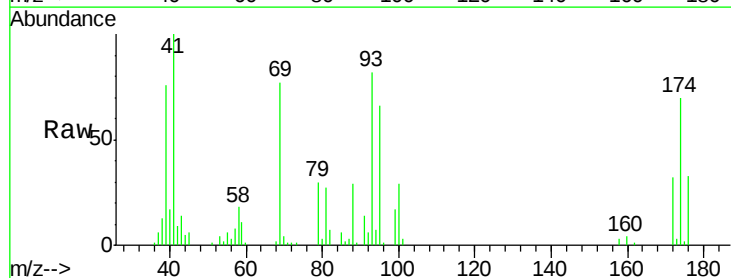
Tgt Ion: 93 Resp: 47704

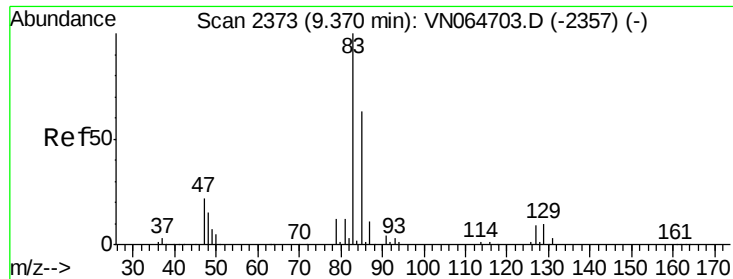
Ion Ratio Lower Upper

93 100

95 79.0 64.6 97.0

174 83.0 64.3 96.5





#47

Bromodichloromethane

Concen: 18.600 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064711.D

Acq: 18 Nov 2020 16:57

Instrument :

MSVOA_N

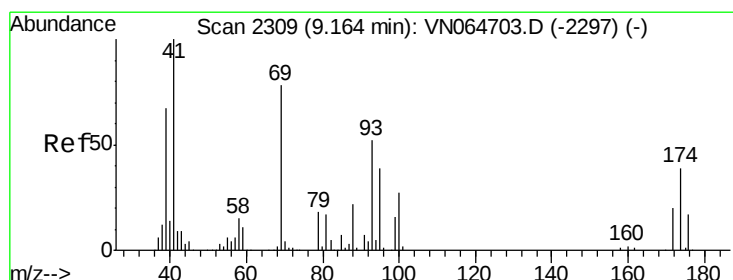
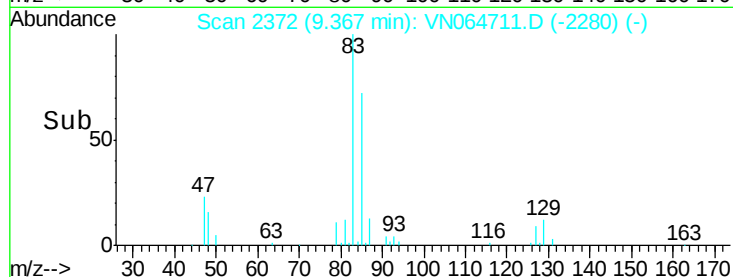
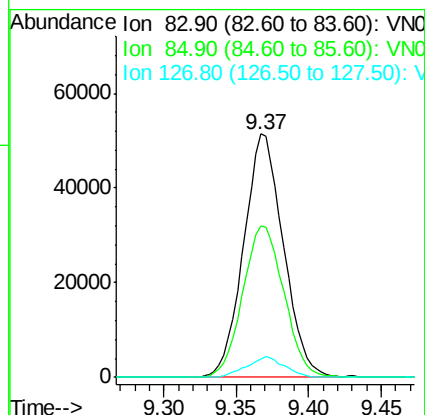
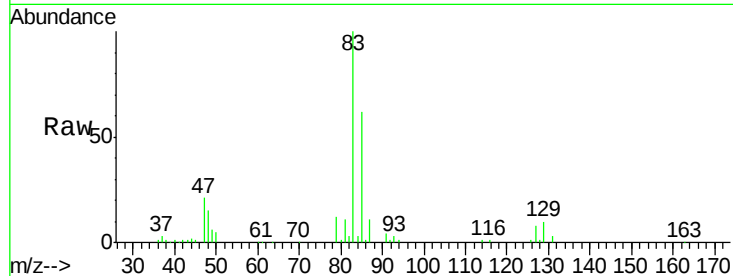
ClientSampleId :

VN1118WBS01

Tot Ion:	83	Resp:	97943
Ion	Ratio	Lower	Upper
83	100		
85	62.0	50.8	76.2
127	7.7	7.0	10.4

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#48

Methyl methacrylate

Concen: 18.908 ug/l

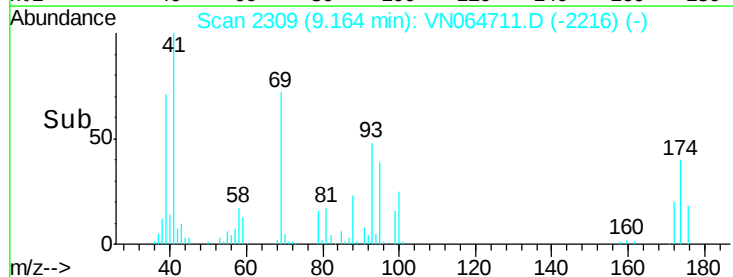
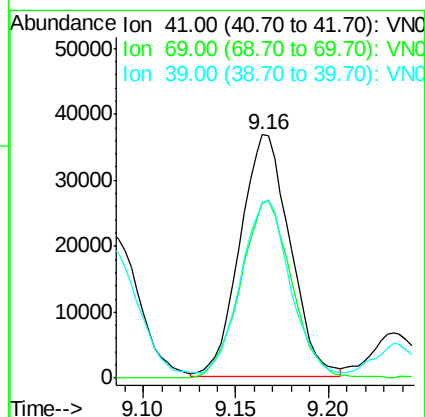
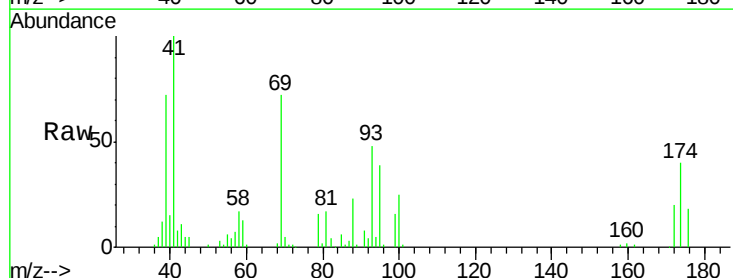
RT: 9.16 min Scan# 2309

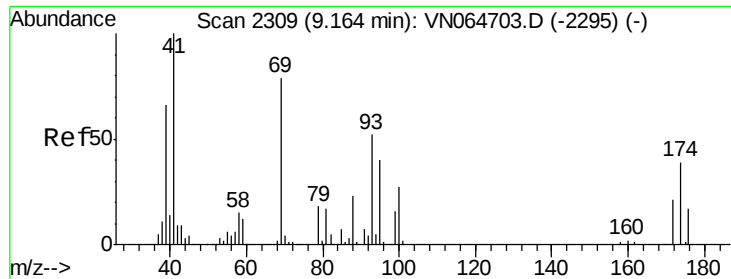
Delta R.T. 0.00 min

Lab File: VN064711.D

Acq: 18 Nov 2020 16:57

Tgt Ion:	41	Resp:	68889
Ion	Ratio	Lower	Upper
41	100		
69	74.6	62.3	93.5
39	74.2	55.1	82.7





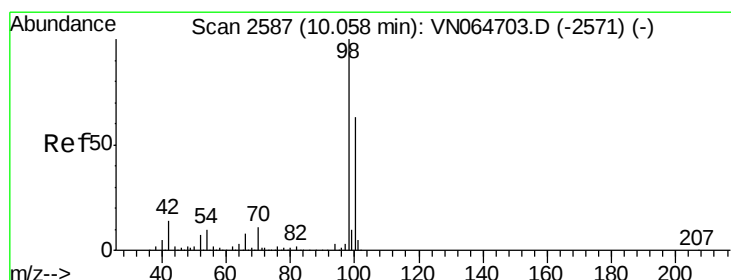
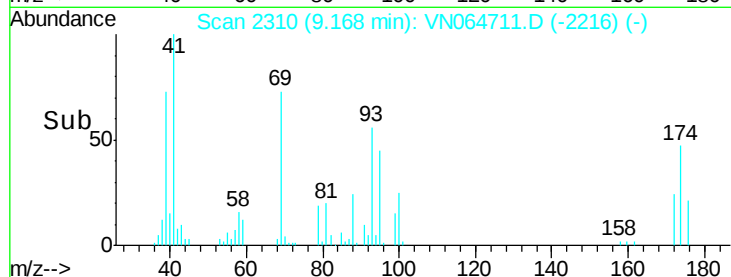
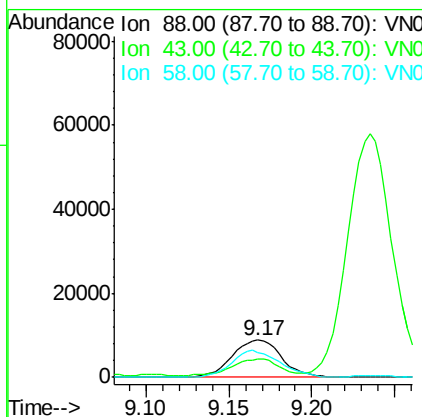
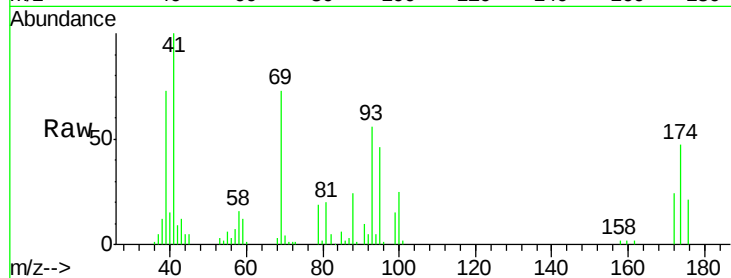
#49
1,4-Dioxane
Concen: 402.564 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064711.D
Acq: 18 Nov 2020 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.9	31.3	46.9
58	71.9	55.7	83.5

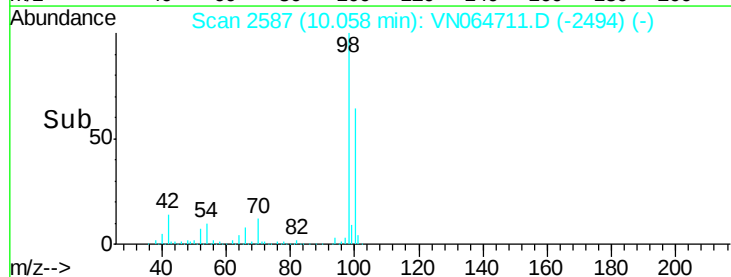
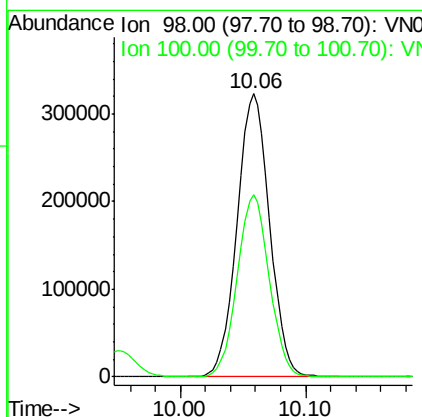
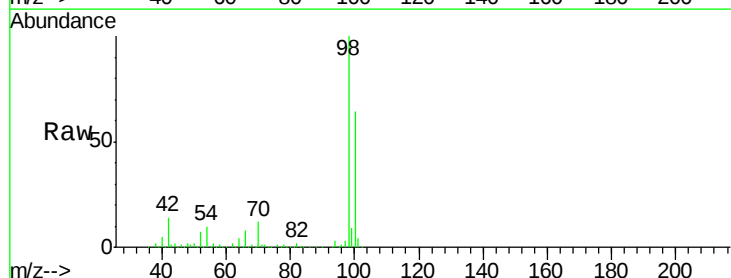
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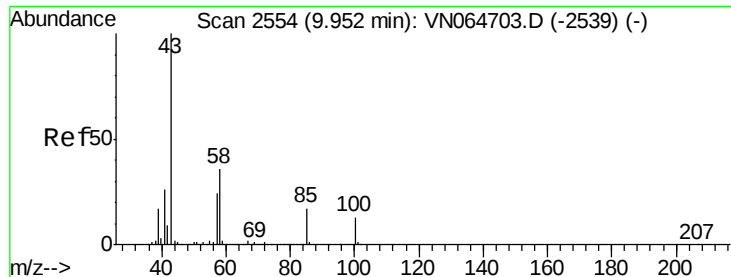
MMDadoda
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#50
Toluene-d8
Concen: 48.631 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064711.D
Acq: 18 Nov 2020 16:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	50.4	75.6





#51

4-Methyl-2-Pentanone

Concen: 92.774 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064711.D

Acq: 18 Nov 2020 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1118WBS01

Tot Ion: 43 Resp: 414027

Ion Ratio Lower Upper

43 100

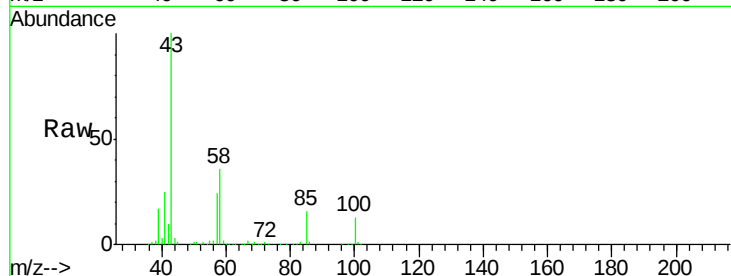
58 35.3 28.5 42.7

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Abundance Ion 43.00 (42.70 to 43.70): VN064711.D (-2461) (-)

Ion 58.00 (57.70 to 58.70): VN064711.D (-2461) (-)

250000

200000

150000

100000

50000

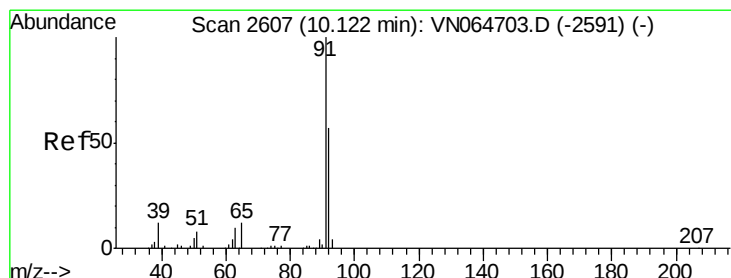
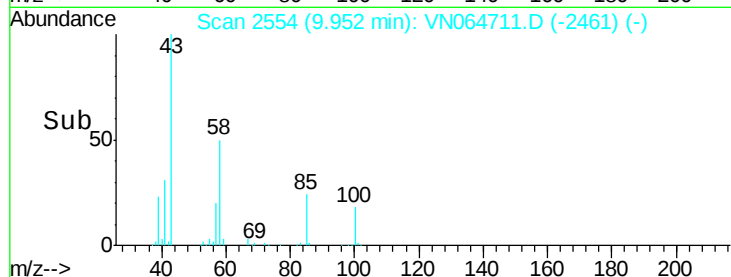
0

9.90

9.95

10.00

Time-->



#52

Toluene

Concen: 19.304 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN064711.D

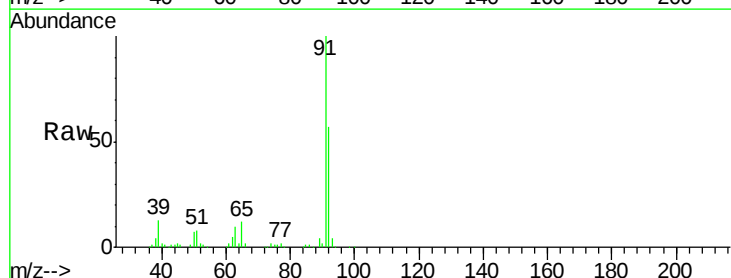
Acq: 18 Nov 2020 16:57

Tgt Ion: 92 Resp: 157610

Ion Ratio Lower Upper

92 100

91 173.6 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VN064711.D (-2514) (-)

Ion 91.00 (90.70 to 91.70): VN064711.D (-2514) (-)

150000

100000

50000

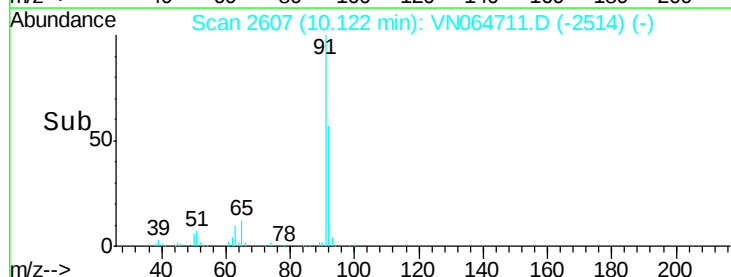
0

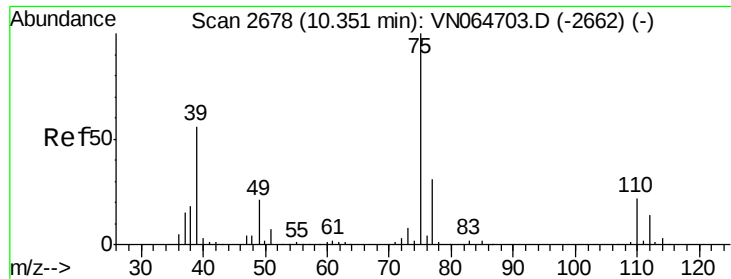
10.10

10.12

10.20

Time-->





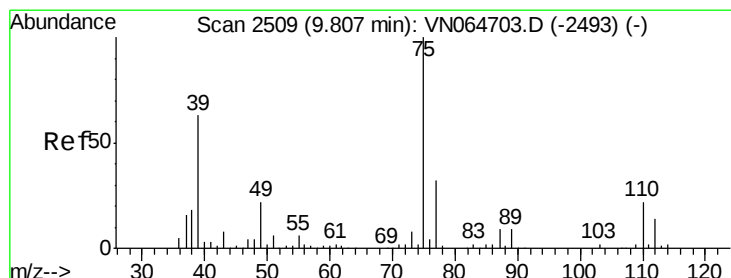
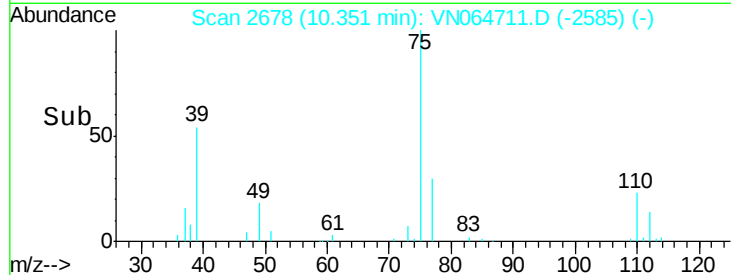
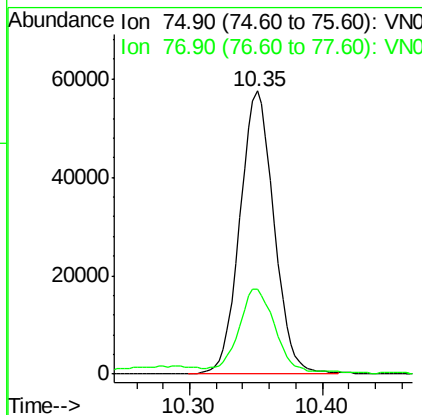
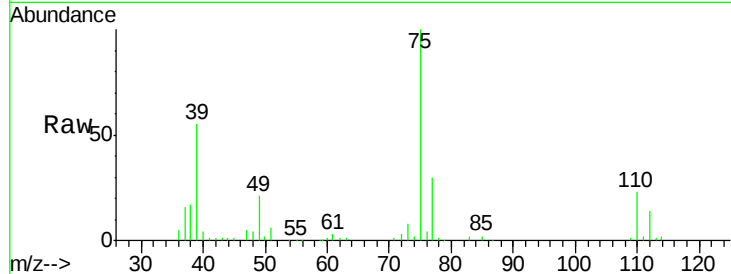
#53
t-1,3-Dichloropropene
Concen: 18.285 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN064711.D
Acq: 18 Nov 2020 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBS01

Tot Ion: 75 Resp: 103044
Ion Ratio Lower Upper
75 100
77 29.0 25.4 38.0

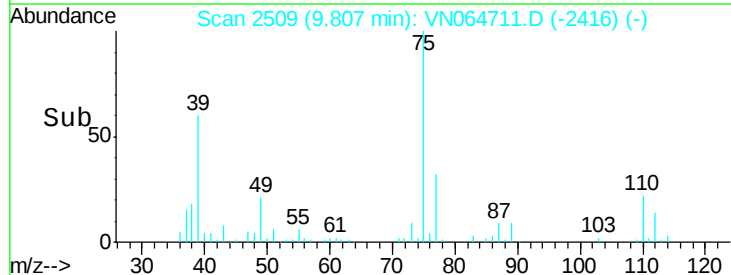
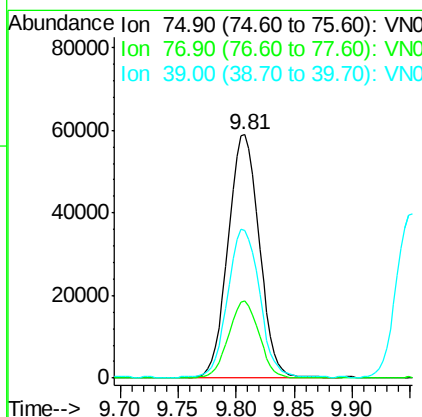
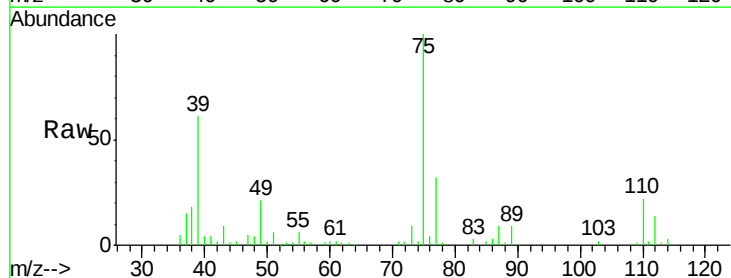
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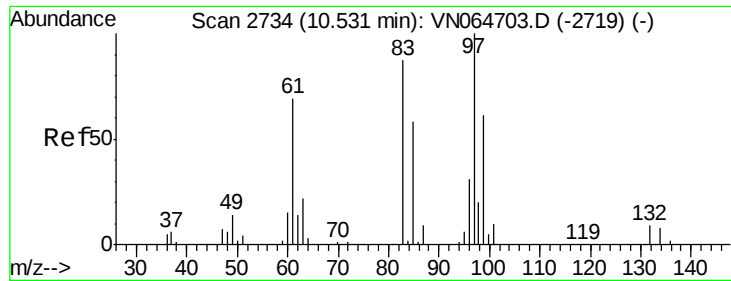
MMDadoda
11/19/2020 2:10:49 PM



#54
cis-1,3-Dichloropropene
Concen: 18.958 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN064711.D
Acq: 18 Nov 2020 16:57

Tgt Ion: 75 Resp: 110009
Ion Ratio Lower Upper
75 100
77 31.7 25.8 38.8
39 60.1 50.5 75.7





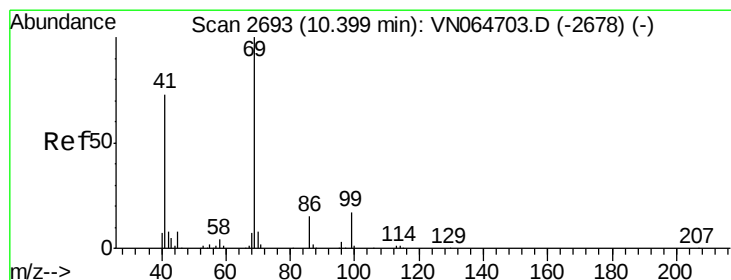
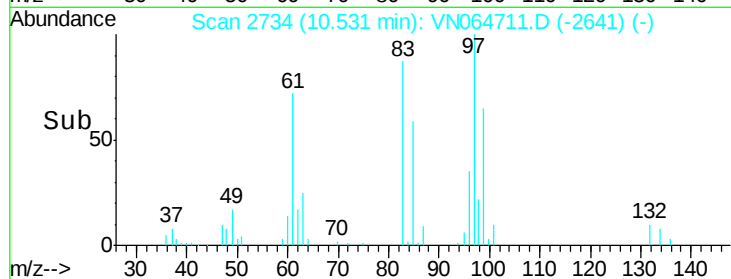
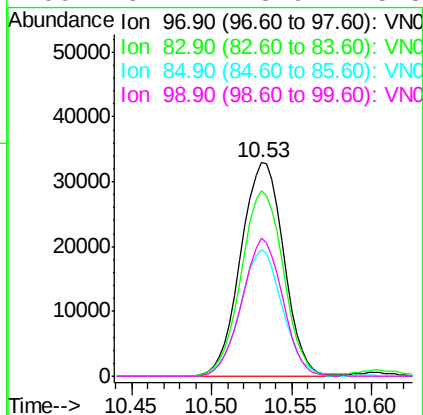
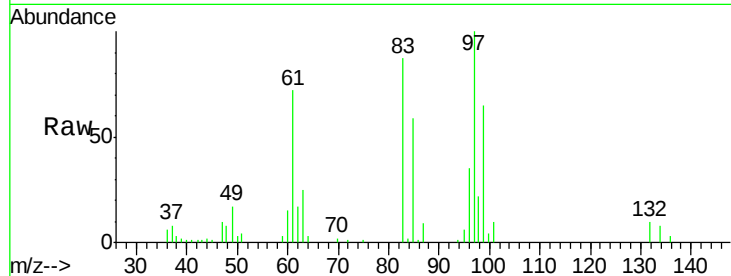
#55
 1,1,2-Trichloroethane
 Concen: 18.539 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN064711.D
 Acq: 18 Nov 2020 16:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118WBS01

Tot Ion:	97	Resp:	60709
Ion	Ratio	Lower	Upper
97	100		
83	86.8	69.6	104.4
85	59.3	46.6	70.0
99	64.7	48.9	73.3

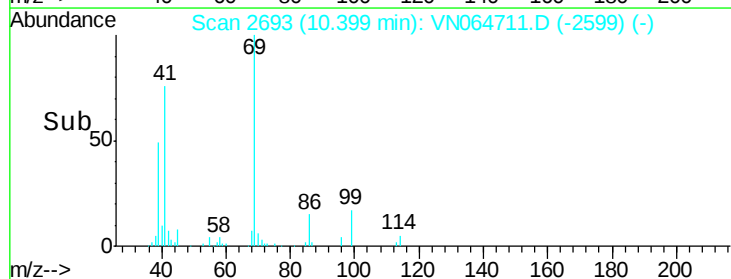
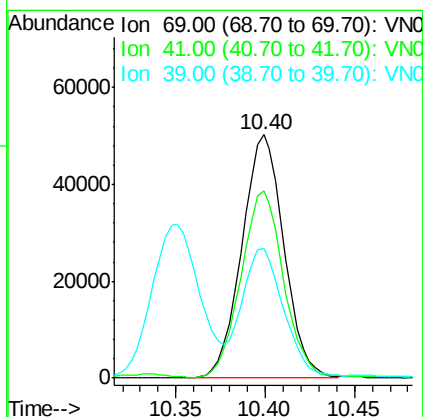
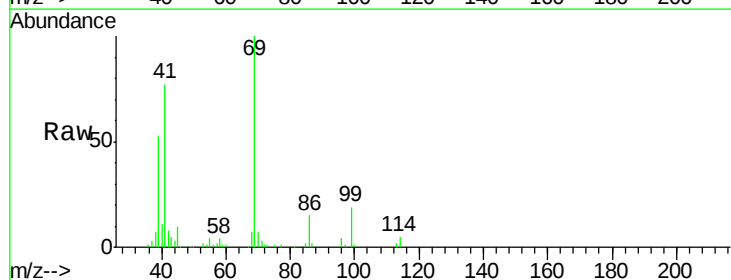
Manual Integrations
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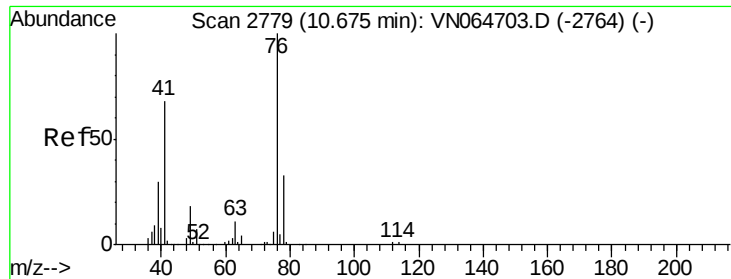
MMDadoda
 11/19/2020 2:10:49 PM



#56
 Ethyl methacrylate
 Concen: 17.231 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064711.D
 Acq: 18 Nov 2020 16:57

Tgt Ion:	69	Resp:	82670
Ion	Ratio	Lower	Upper
69	100		
41	77.0	59.0	88.4
39	51.8	38.4	57.6





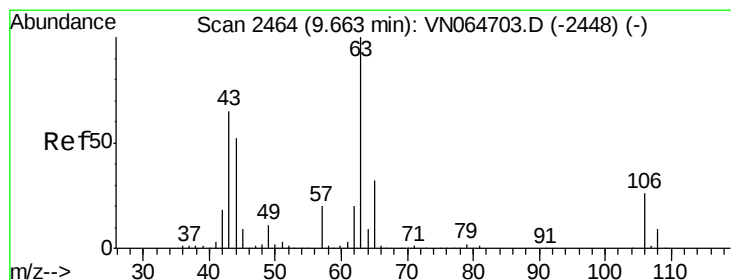
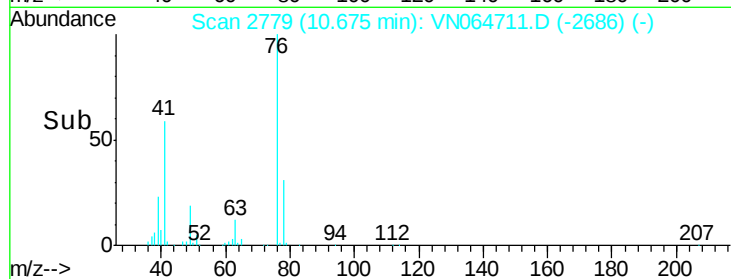
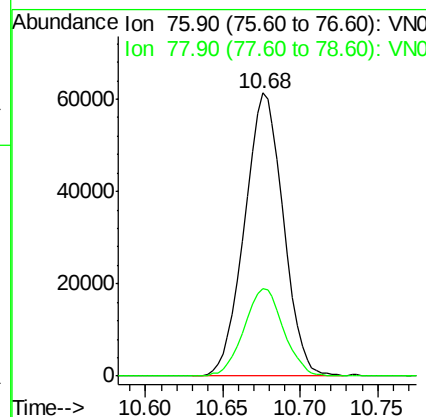
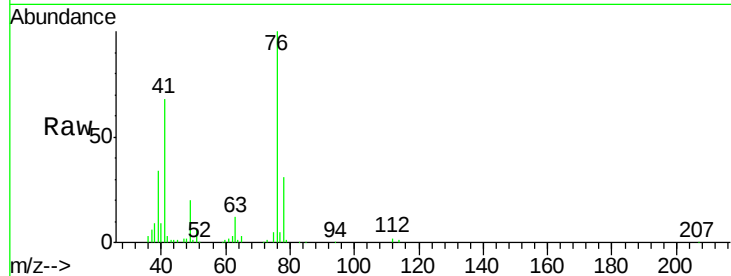
#57
 1,3-Dichloropropane
 Concen: 18.901 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN064711.D
 Acq: 18 Nov 2020 16:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.5	26.4	39.6

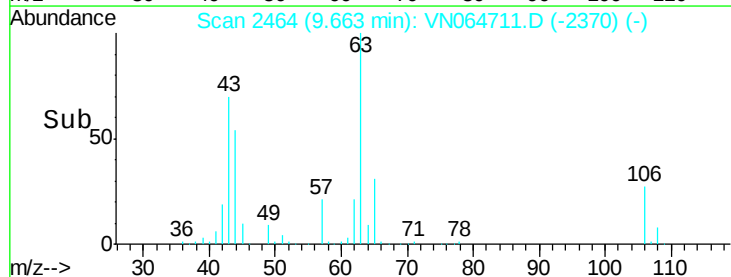
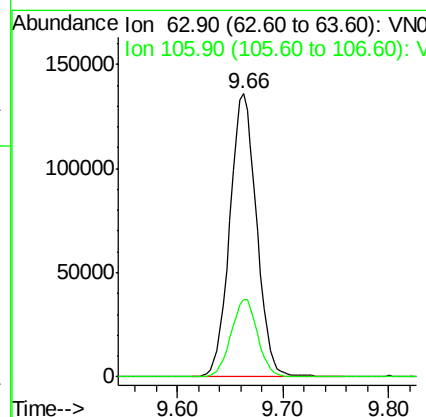
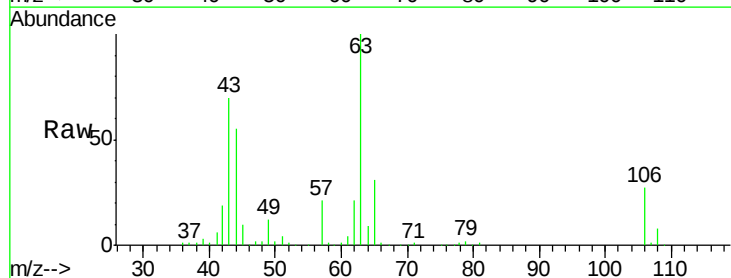
Manual Integrations
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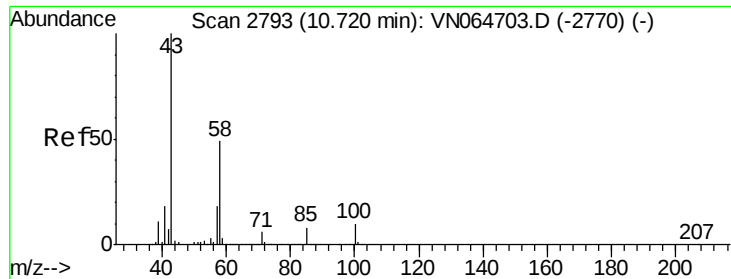
MMDadoda
 11/19/2020 2:10:49 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.173 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064711.D
 Acq: 18 Nov 2020 16:57

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.2	20.9	31.3





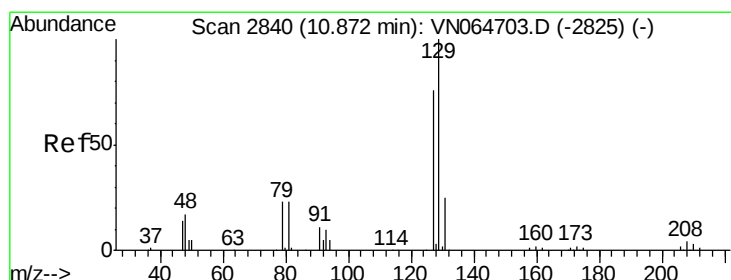
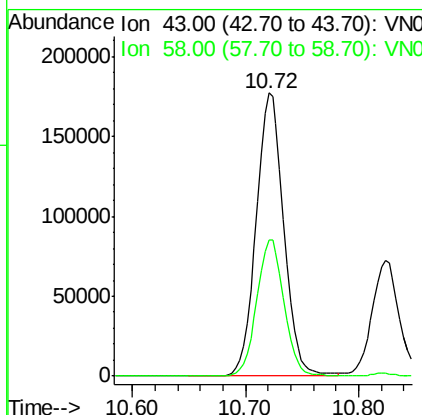
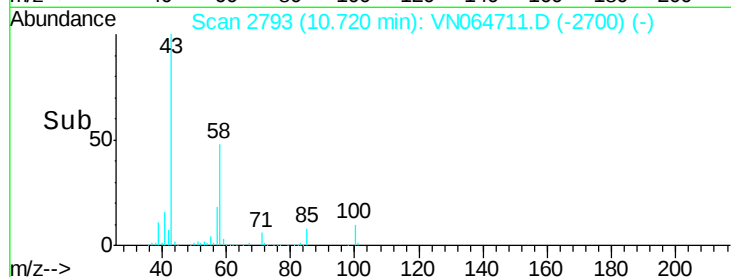
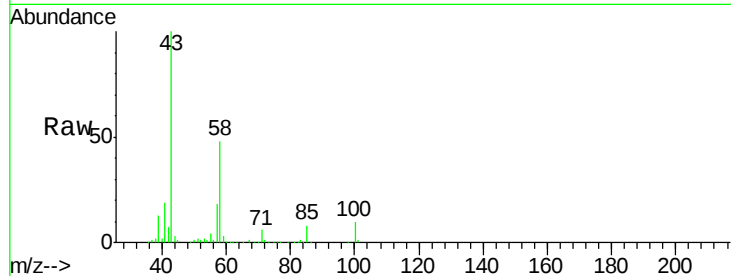
#59
2-Hexanone
Concen: 92.623 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN064711.D
Acq: 18 Nov 2020 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBS01

Tot Ion: 43 Resp: 298339
Ion Ratio Lower Upper
43 100
58 48.1 24.4 73.4

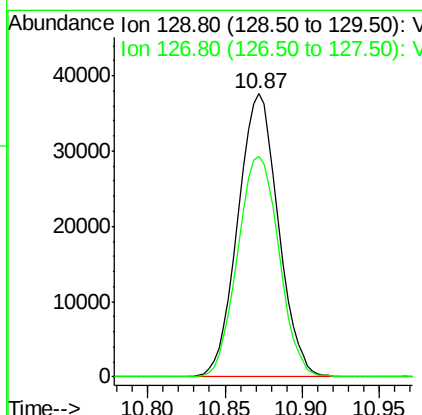
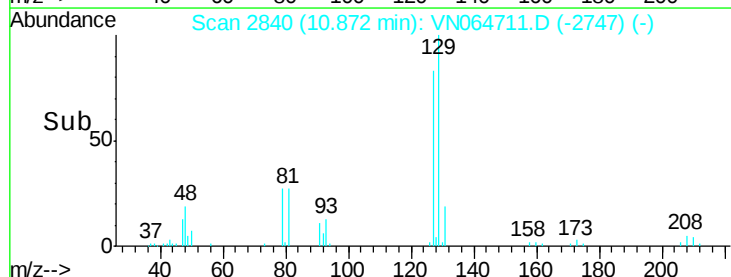
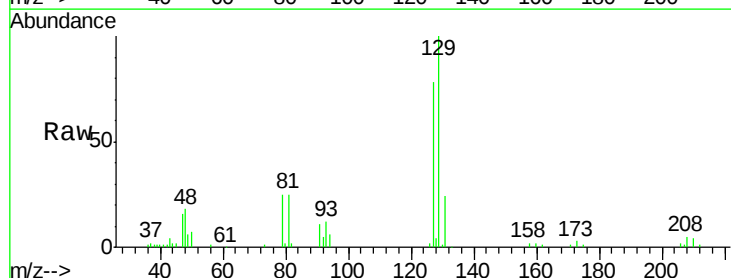
Manual Integrations
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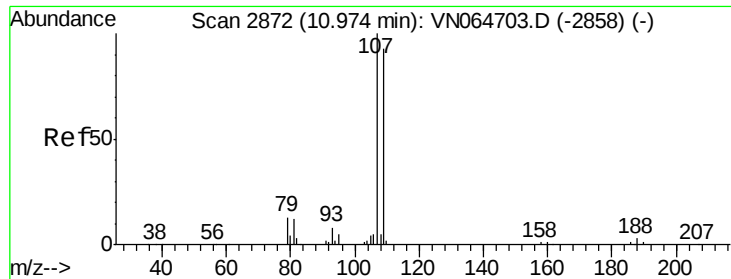
MMDadoda
11/19/2020 2:10:49 PM



#60
Dibromochloromethane
Concen: 18.067 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN064711.D
Acq: 18 Nov 2020 16:57

Tgt Ion: 129 Resp: 68355
Ion Ratio Lower Upper
129 100
127 79.7 38.8 116.4





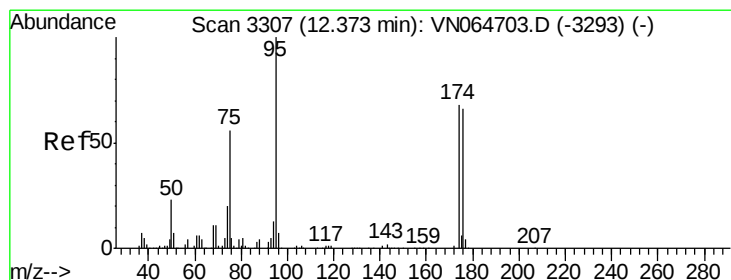
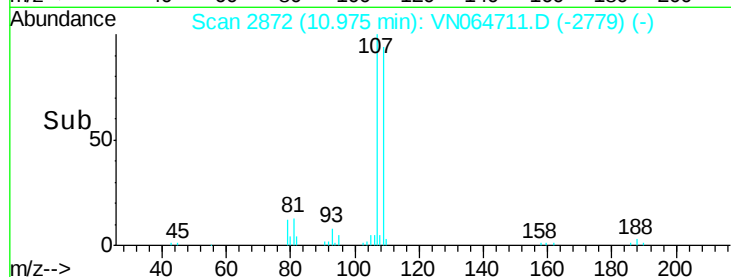
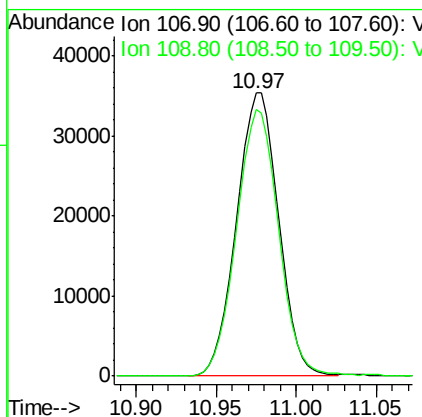
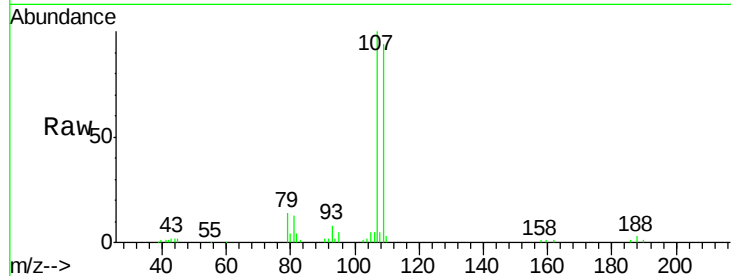
#61
 1,2-Dibromoethane
 Concen: 18.180 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN064711.D
 Acq: 18 Nov 2020 16:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	74.2	111.4

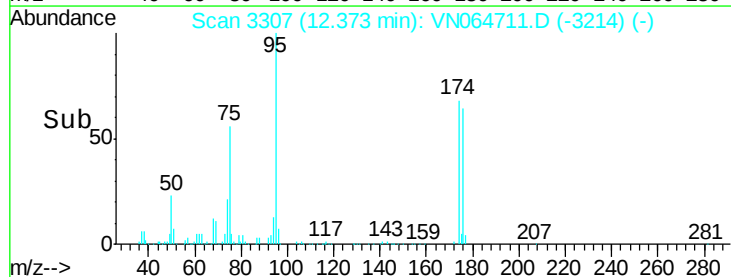
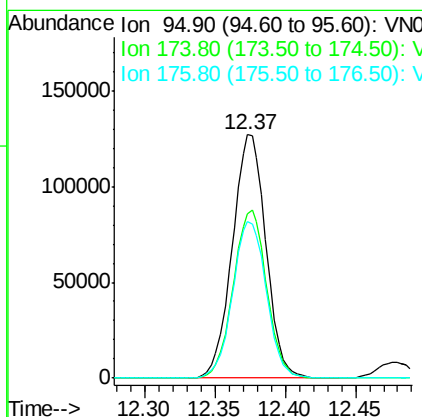
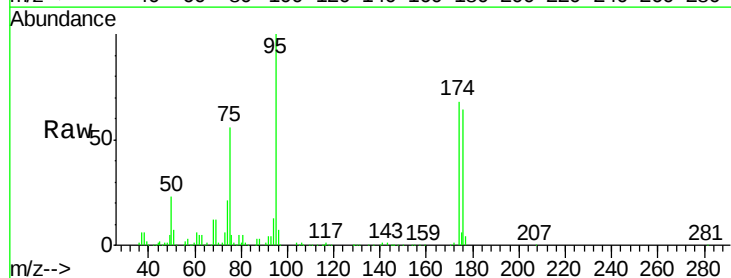
Manual Integrations
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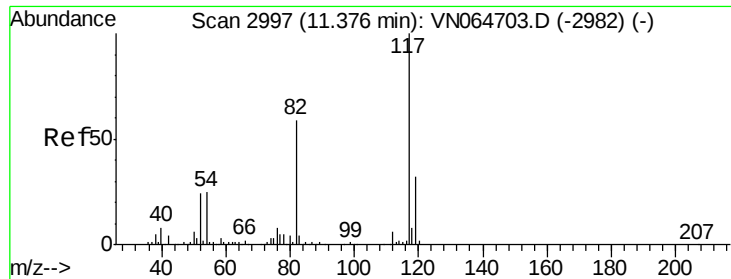
MMDadoda
 11/19/2020 2:10:49 PM



#62
 4-Bromofluorobenzene
 Concen: 47.427 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN064711.D
 Acq: 18 Nov 2020 16:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	68.7	0.0	136.8
176	64.6	0.0	134.2





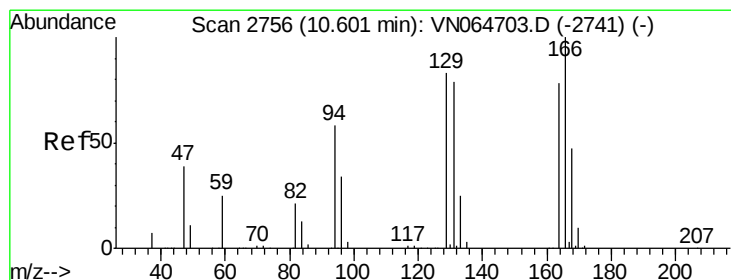
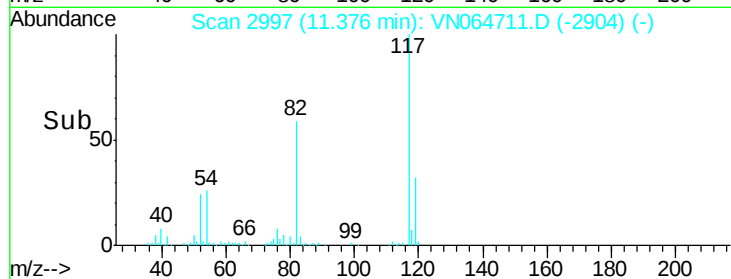
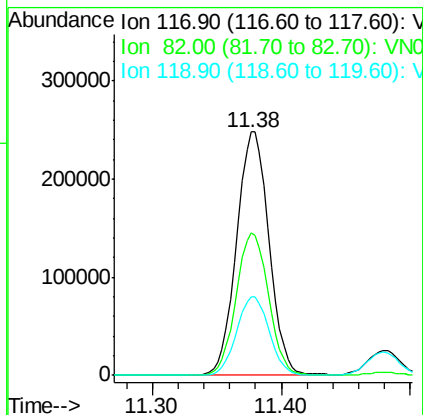
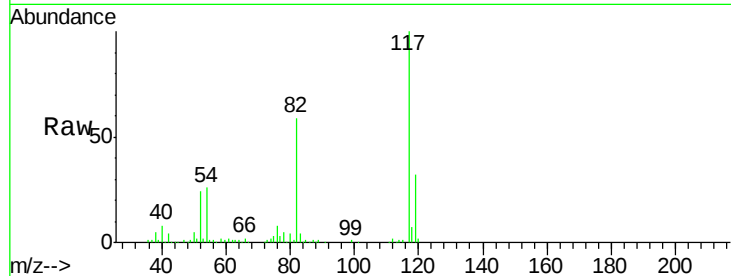
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN064711.D
Acq: 18 Nov 2020 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	434031		
82	58.5	47.0	70.6	
119	32.3	25.4	38.2	

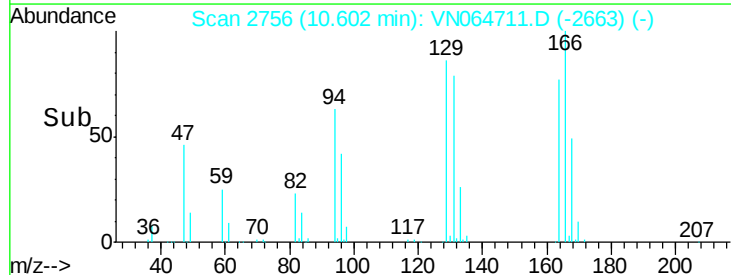
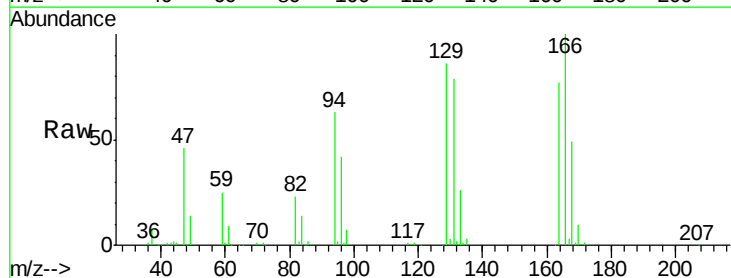
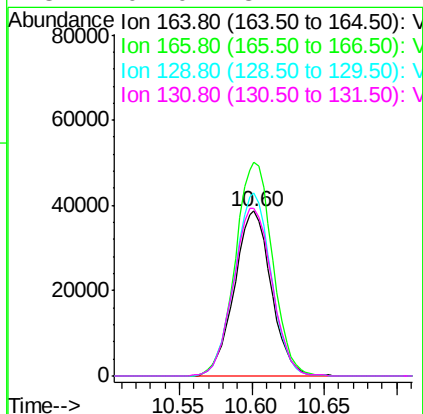
Manual Integrations
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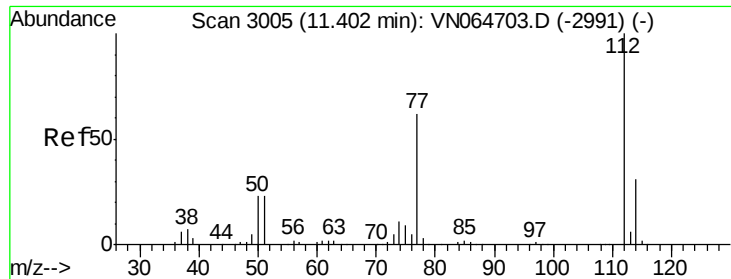
MMDadoda
11/19/2020 2:10:49 PM



#64
Tetrachloroethene
Concen: 17.772 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064711.D
Acq: 18 Nov 2020 16:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	68381		
166	129.7	102.2	153.4	
129	111.5	84.7	127.1	
131	102.0	81.1	121.7	





#65

Chlorobenzene

Concen: 17.844 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN064711.D

Acq: 18 Nov 2020 16:57

Instrument :

MSVOA_N

ClientSampled :

VN1118WBS01

Tot Ion:112 Resp: 164749

Ion Ratio Lower Upper

112 100

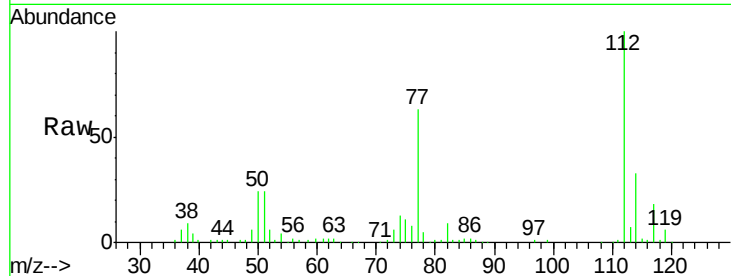
114 33.1 24.7 37.1

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.41

100000

80000

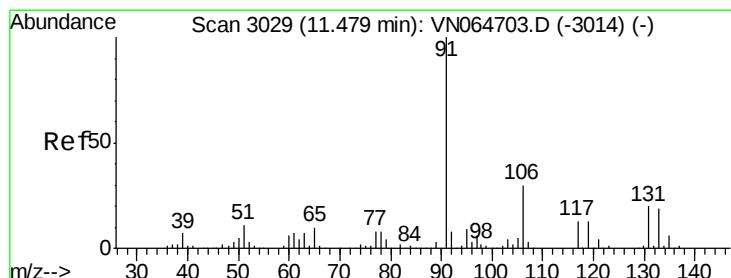
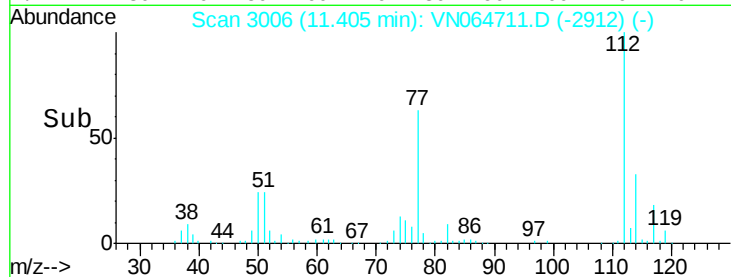
60000

40000

20000

0

Time--> 11.30 11.40 11.50



#66

1,1,1,2-Tetrachloroethane

Concen: 17.791 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN064711.D

Acq: 18 Nov 2020 16:57

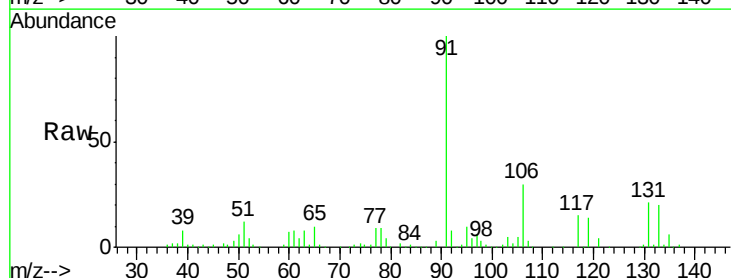
Tgt Ion:131 Resp: 61376

Ion Ratio Lower Upper

131 100

133 97.6 48.8 146.4

119 68.9 33.5 100.4



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

80000

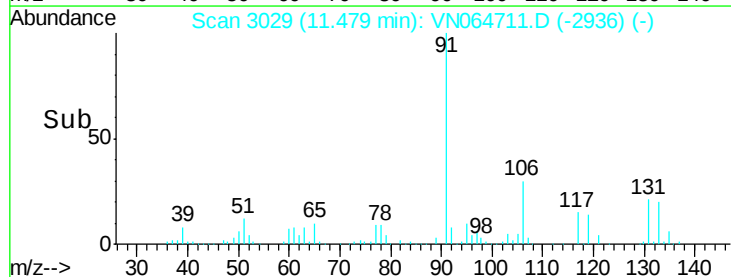
60000

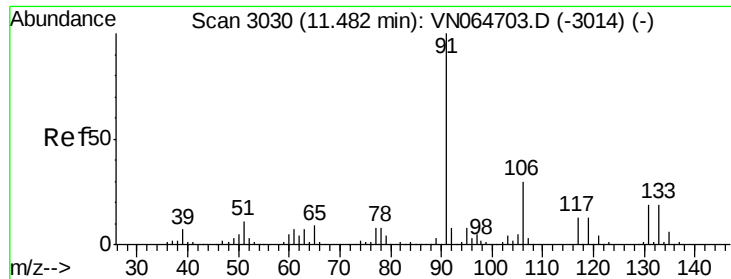
40000

20000

0

Time--> 11.40 11.45 11.50 11.55





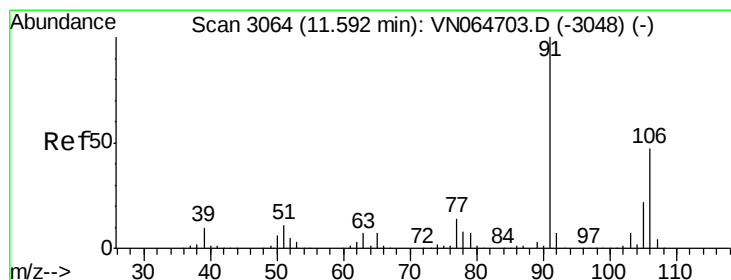
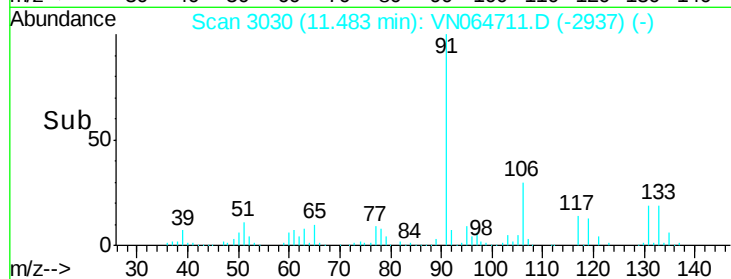
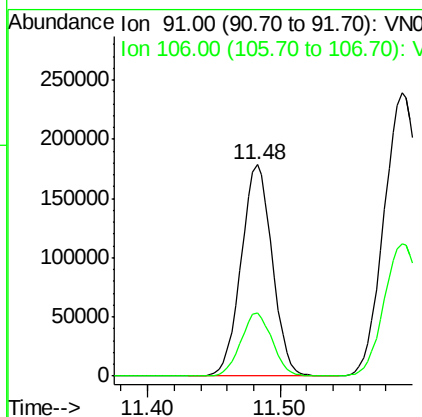
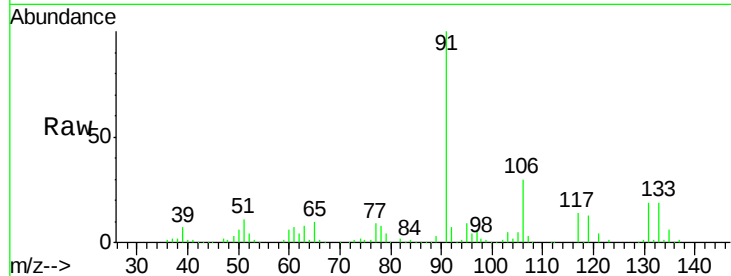
#67
Ethyl Benzene
Concen: 17.835 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064711.D
Acq: 18 Nov 2020 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBS01

Tot Ion: 91 Resp: 290334
Ion Ratio Lower Upper
91 100
106 30.0 23.9 35.9

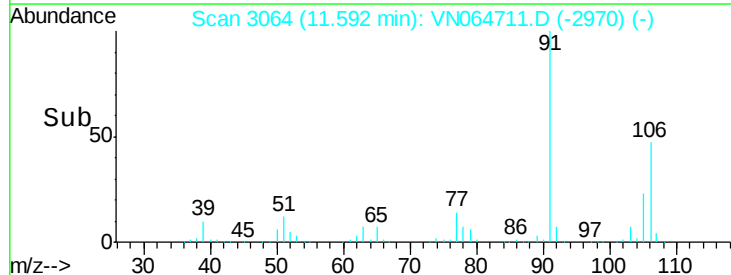
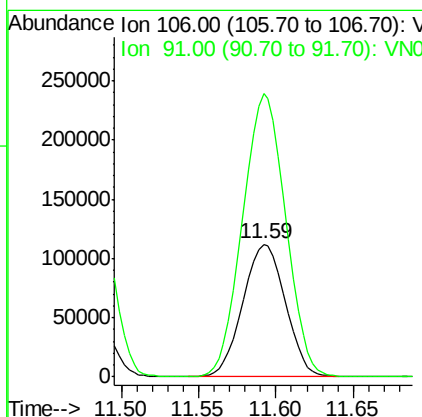
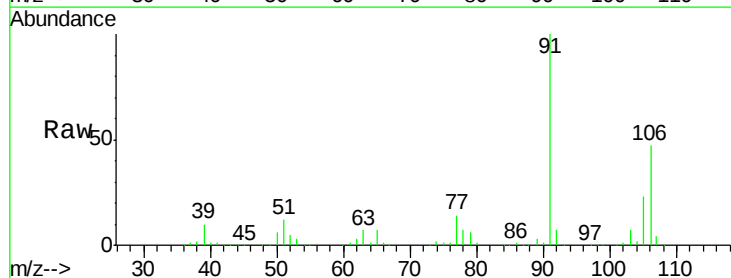
Manual Integrations
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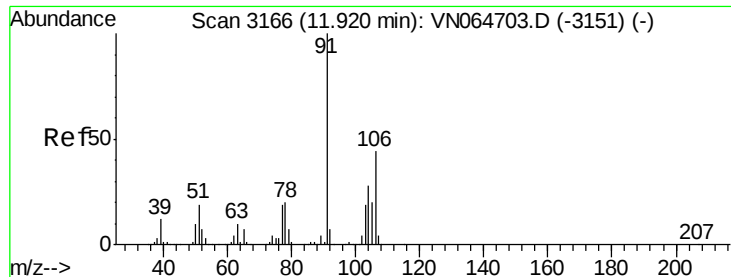
MMDadoda
11/19/2020 2:10:49 PM



#68
m/p-Xylenes
Concen: 35.325 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN064711.D
Acq: 18 Nov 2020 16:57

Tgt Ion: 106 Resp: 215403
Ion Ratio Lower Upper
106 100
91 214.3 171.9 257.9





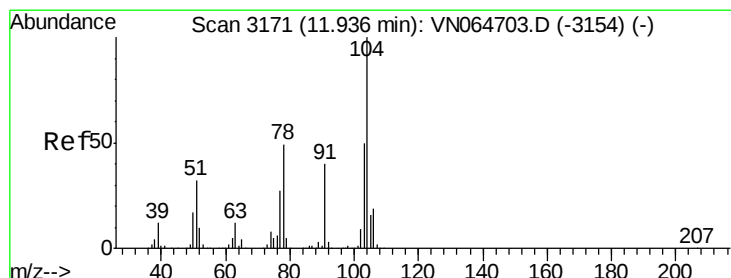
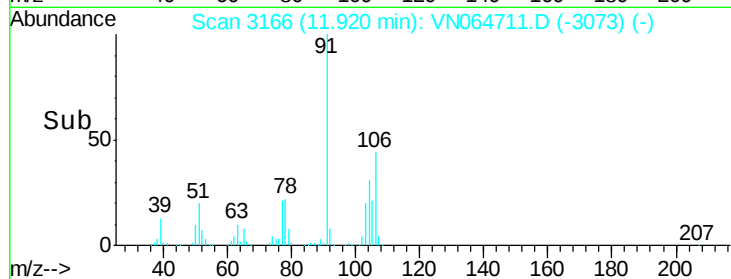
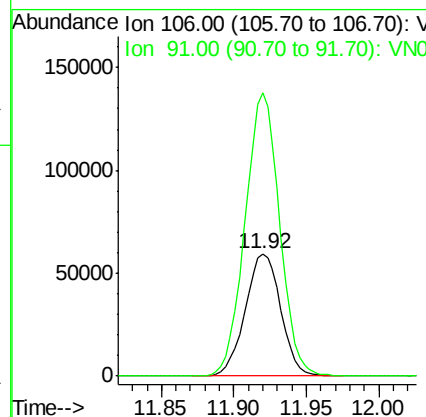
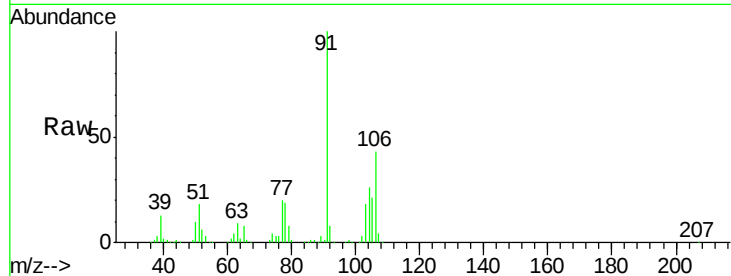
#69
o-Xylene
Concen: 17.817 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064711.D
Acq: 18 Nov 2020 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	225.3	112.1	336.3		

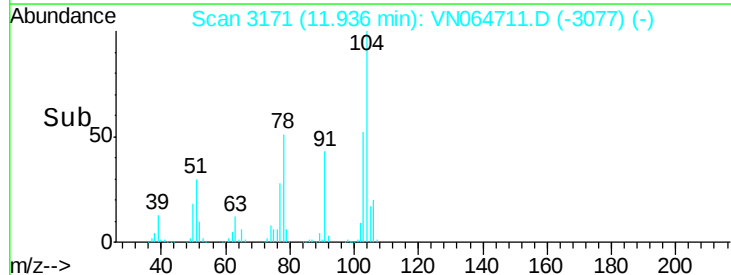
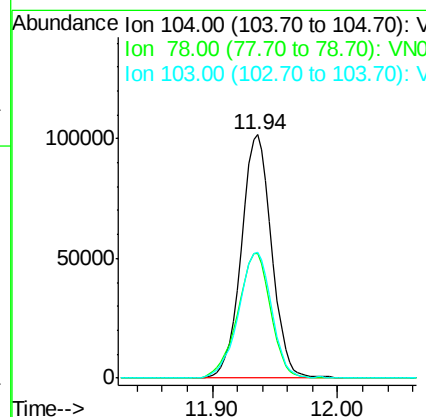
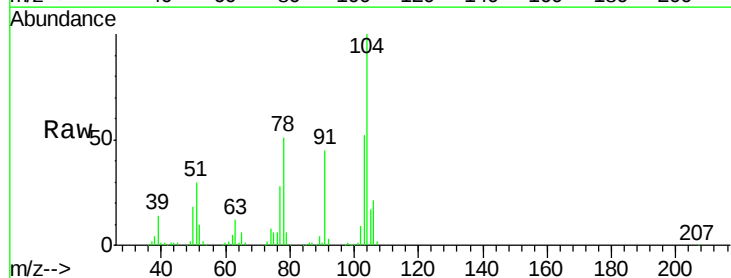
Manual Integrations
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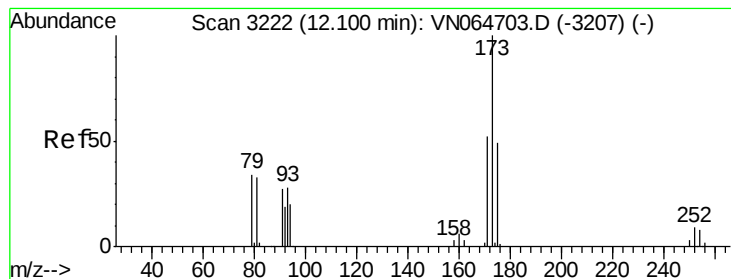
MMDadoda
11/19/2020 2:10:49 PM



#70
Styrene
Concen: 17.164 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064711.D
Acq: 18 Nov 2020 16:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	56.1	44.1	66.1		
103	56.5	43.7	65.5		





#71

Bromoform

Concen: 17.294 ug/l

RT: 12.10 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN064711.D

Acq: 18 Nov 2020 16:57

Instrument :

MSVOA_N

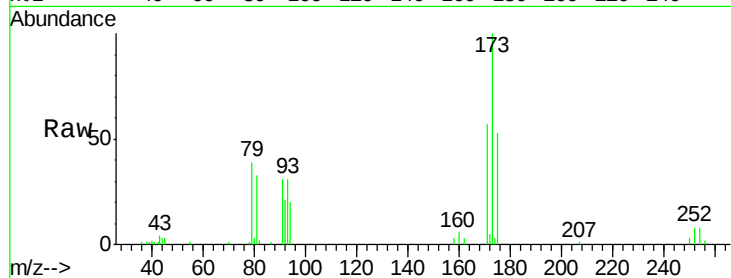
ClientSampleId :

VN1118WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.3	72.9
254	0.0	0.1	0.1#

Manual Integrations
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MMDadoda
11/19/2020 2:10:49 PM

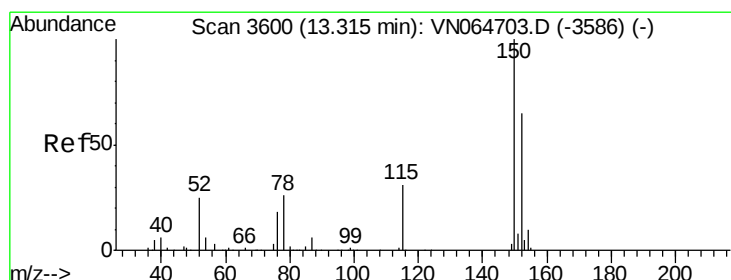
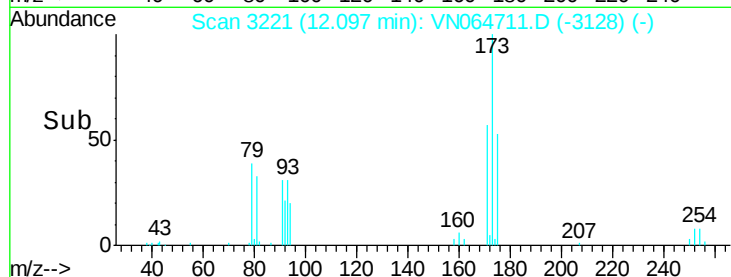
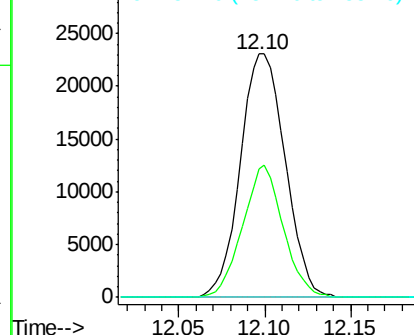


Abundance

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

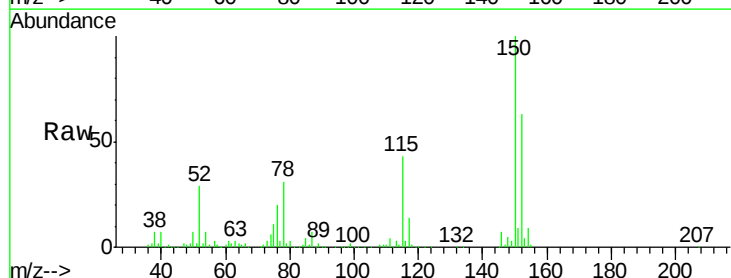
RT: 13.32 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN064711.D

Acq: 18 Nov 2020 16:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	67.3	32.1	96.3
150	165.8	0.0	344.8

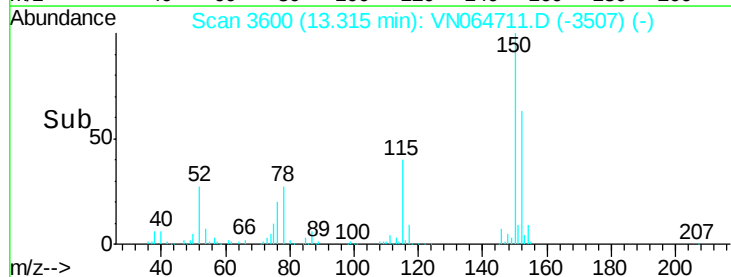
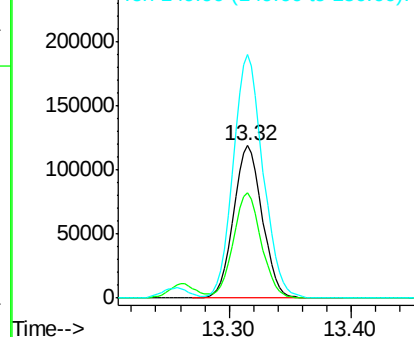


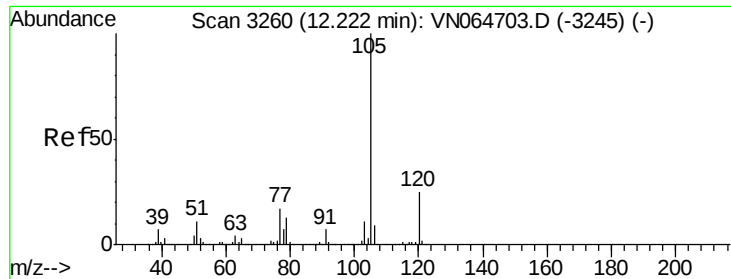
Abundance

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: 18.805 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064711.D

Acq: 18 Nov 2020 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1118WBS01

Tot Ion: 105 Resp: 260250

Ion Ratio Lower Upper

105 100

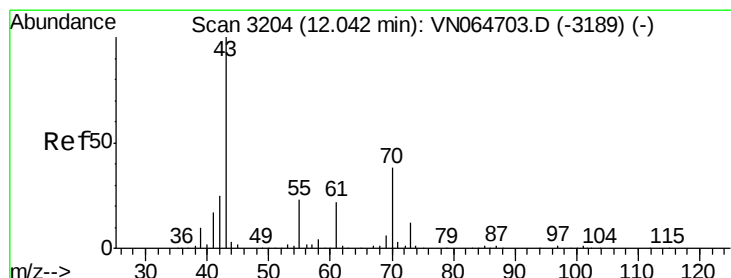
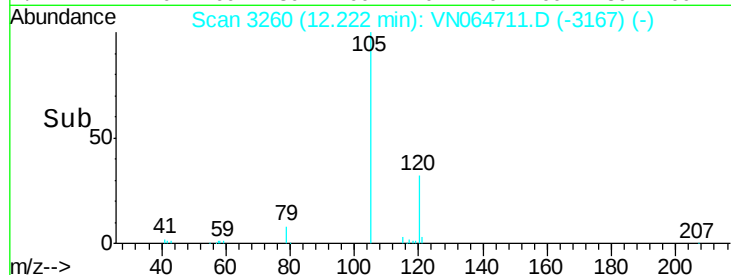
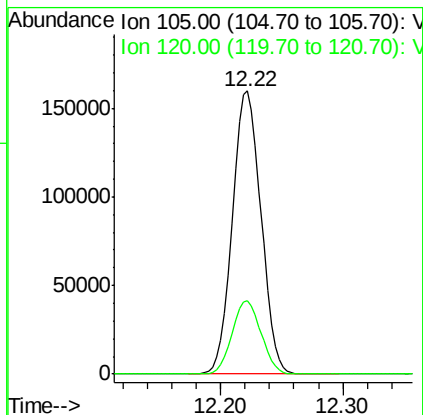
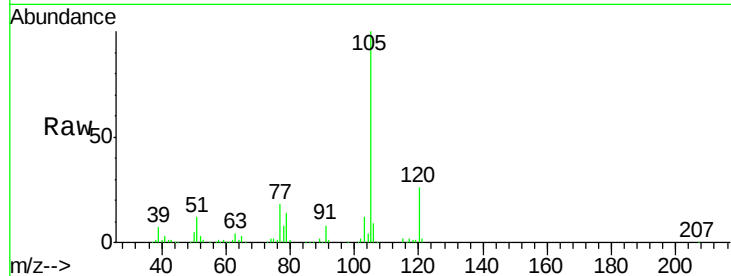
120 26.2 12.8 38.3

Manual Integrations

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11/19/2020 2:10:49 PM



#74

N-ethyl acetate

Concen: 19.259 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN064711.D

Acq: 18 Nov 2020 16:57

Tgt Ion: 43 Resp: 124478

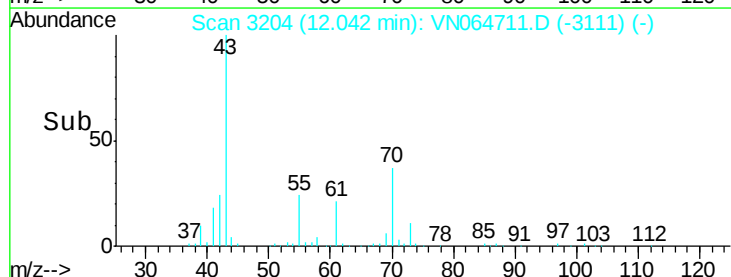
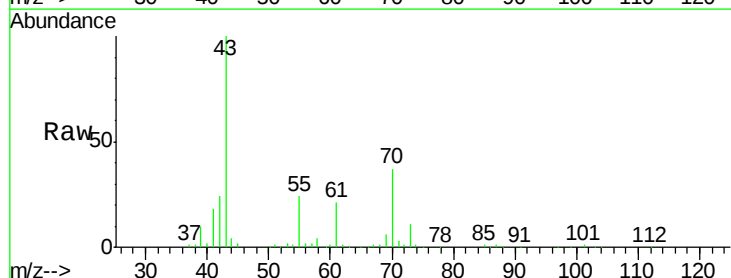
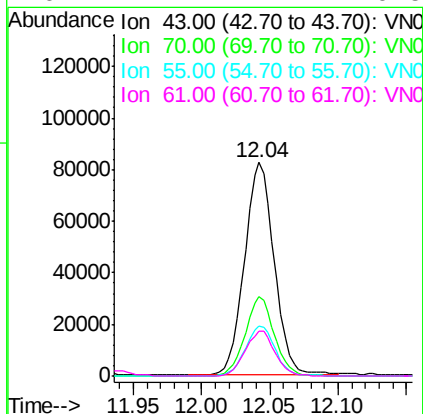
Ion Ratio Lower Upper

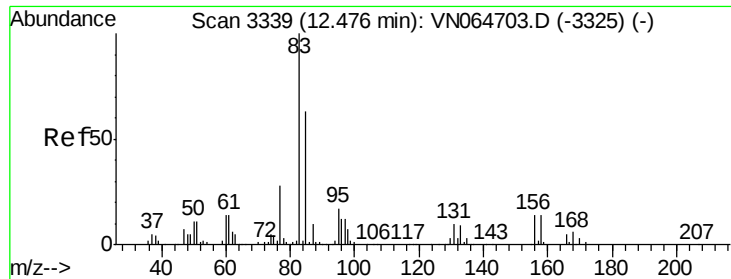
43 100

70 36.6 30.3 45.5

55 23.8 18.9 28.3

61 21.2 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.732 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN064711.D

Acq: 18 Nov 2020 16:57

Instrument :

MSVOA_N

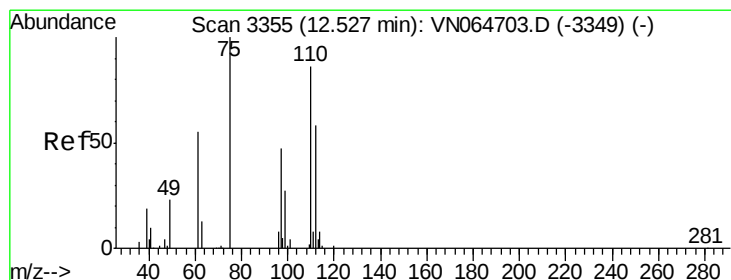
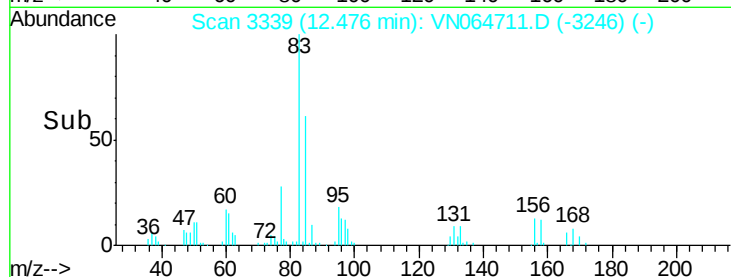
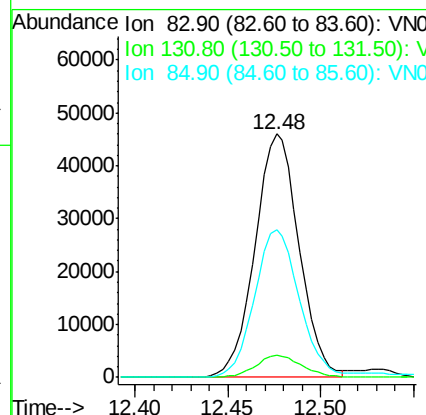
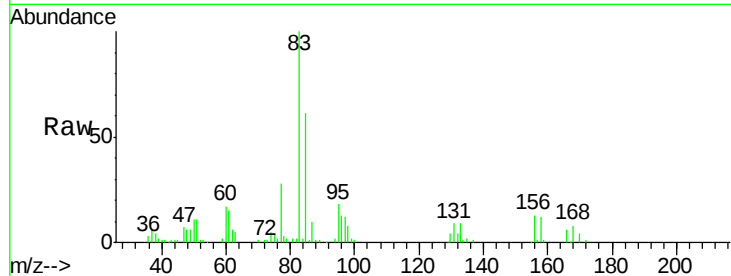
ClientSampleId :

VN1118WBS01

Tot Ion:	83	Resp:	76348
Ion Ratio	Lower	Upper	
83	100		
131	9.4	5.0	15.0
85	61.8	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 20.261 ug/l m

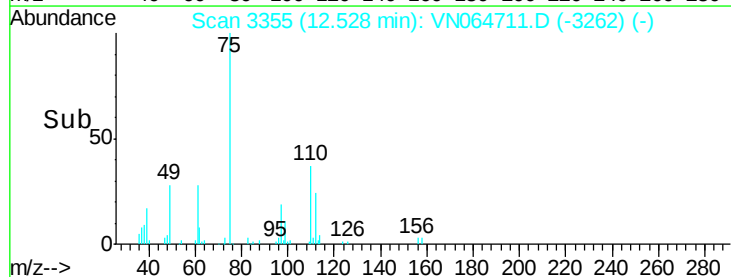
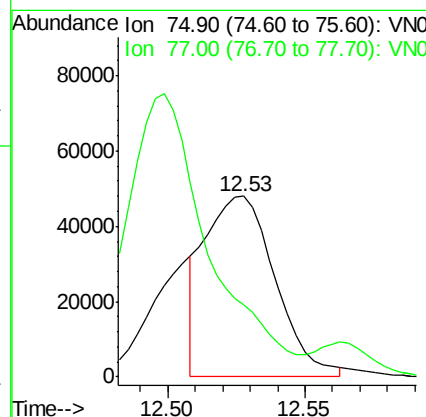
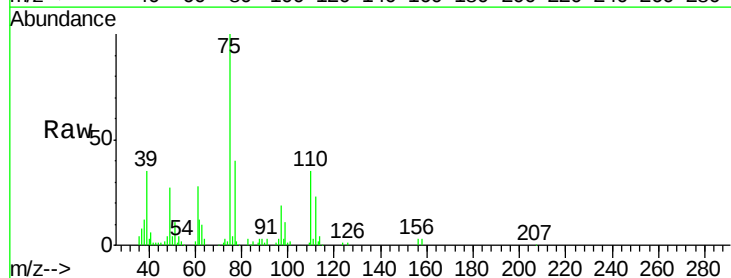
RT: 12.53 min Scan# 3355

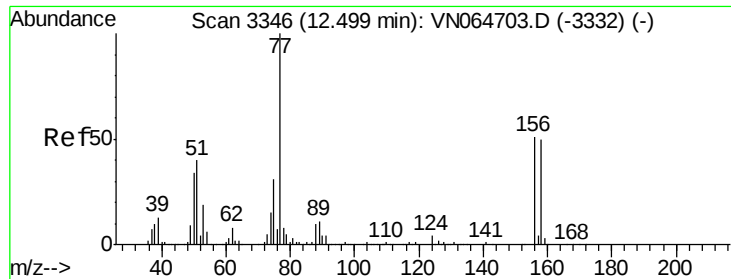
Delta R.T. 0.00 min

Lab File: VN064711.D

Acq: 18 Nov 2020 16:57

Tgt Ion:	75	Resp:	85093
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.706 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064711.D

Acq: 18 Nov 2020 16:57

Instrument :

MSVOA_N

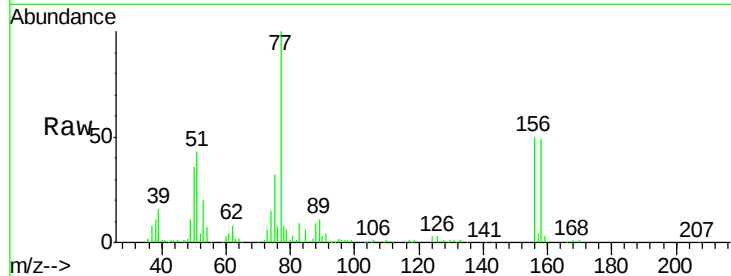
ClientSampleId :

VN1118WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	242.9	117.3	351.9
158	97.9	49.0	147.2

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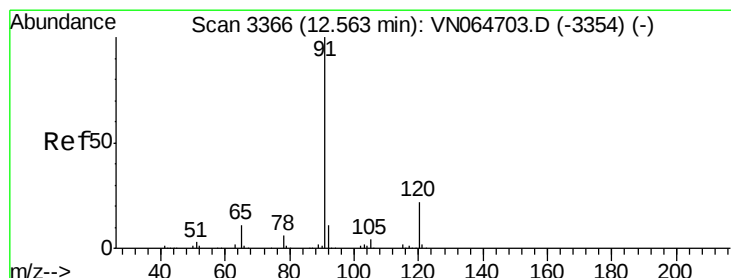
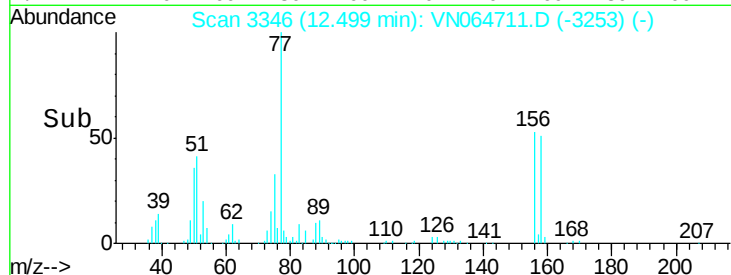
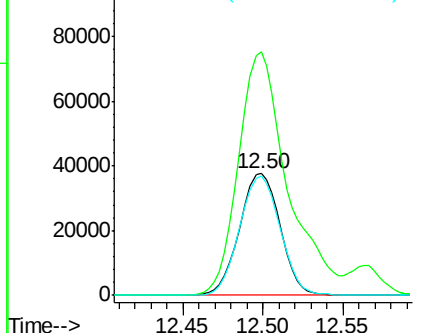


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.324 ug/l

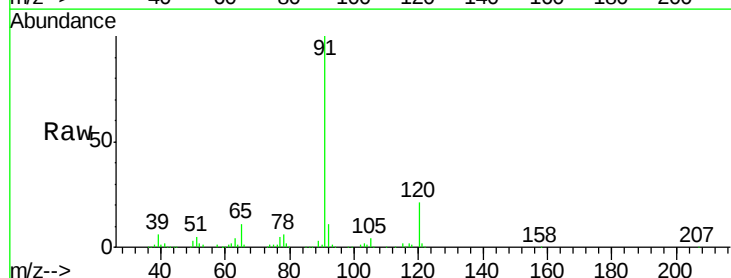
RT: 12.56 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN064711.D

Acq: 18 Nov 2020 16:57

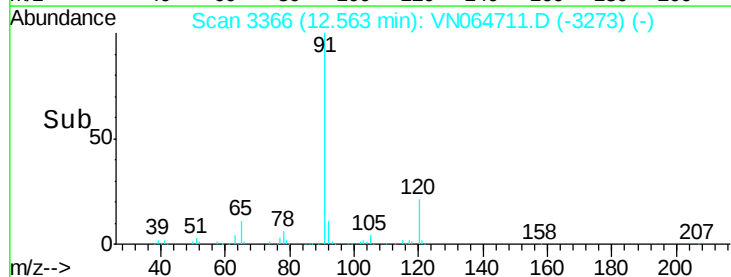
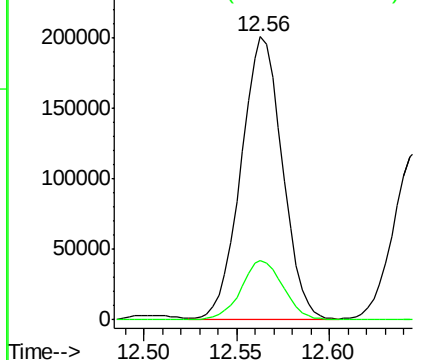
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.2	10.9	32.9

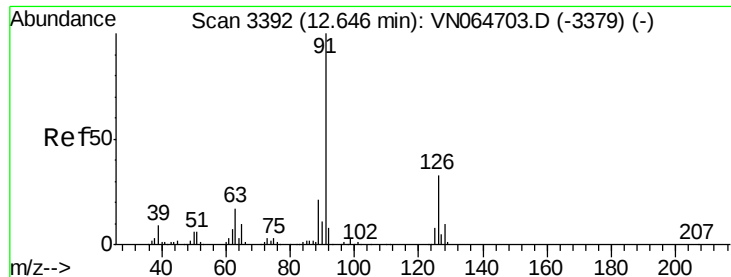


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.159 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN064711.D

Acq: 18 Nov 2020 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1118WBS01

Tot Ion: 91 Resp: 197634

Ion Ratio Lower Upper

91 100

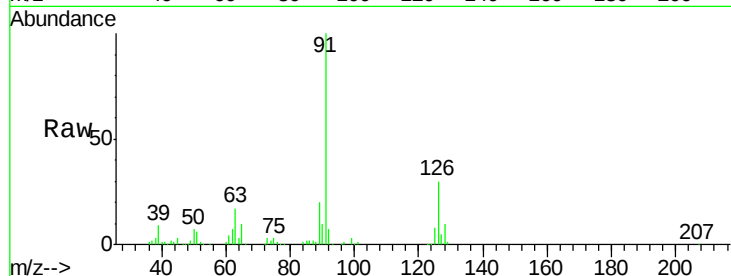
126 30.8 16.0 48.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN064711.D (-3299) (-)

Ion 125.90 (125.60 to 126.60): VN064711.D (-3299) (-)

200000

150000

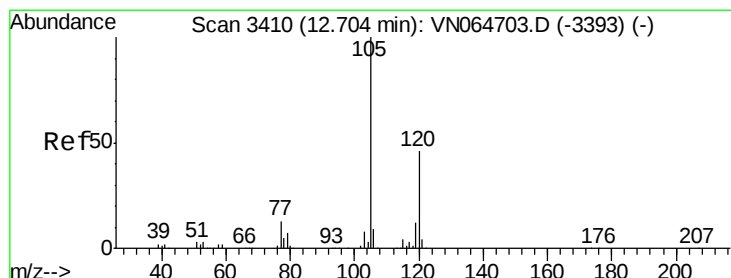
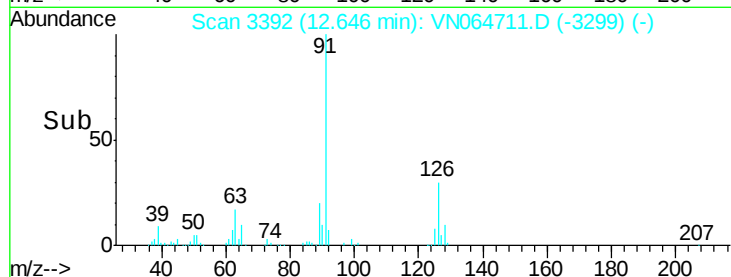
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.461 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN064711.D

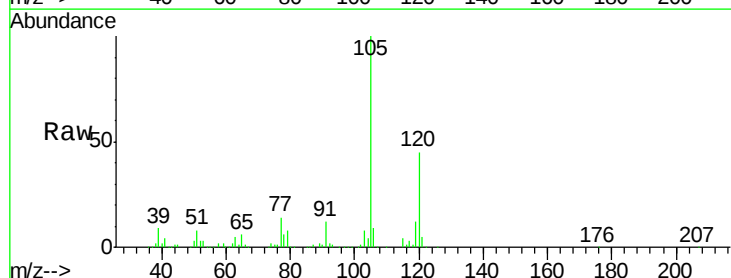
Acq: 18 Nov 2020 16:57

Tgt Ion: 105 Resp: 223729

Ion Ratio Lower Upper

105 100

120 45.6 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN064711.D (-3317) (-)

Ion 120.00 (119.70 to 120.70): VN064711.D (-3317) (-)

150000

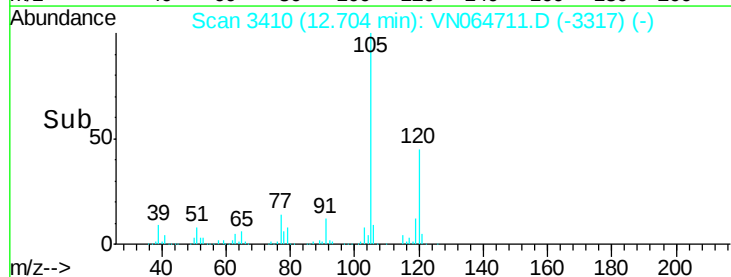
100000

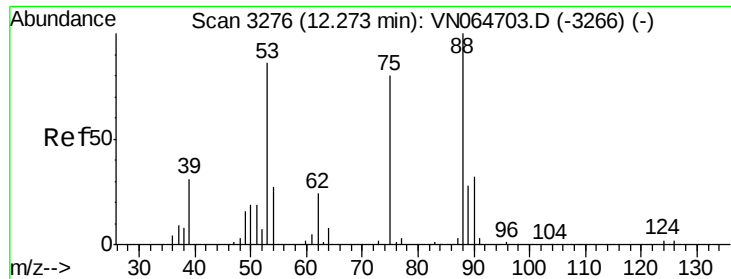
50000

0

12.65 12.70 12.75 12.80

Time-->





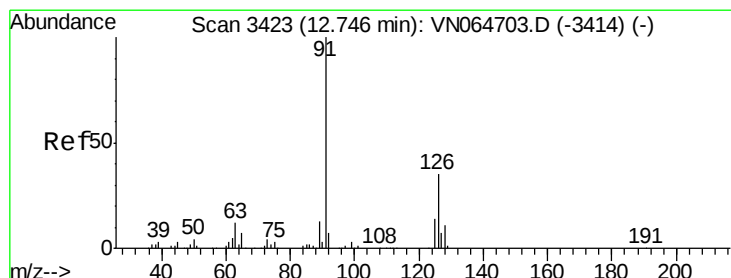
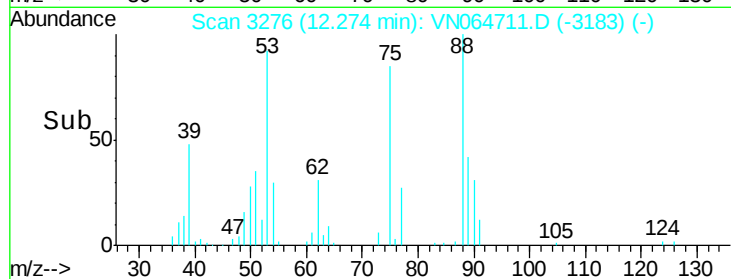
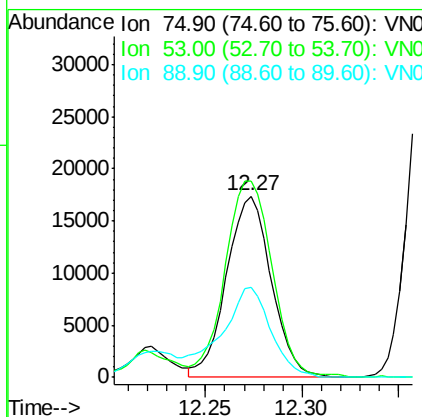
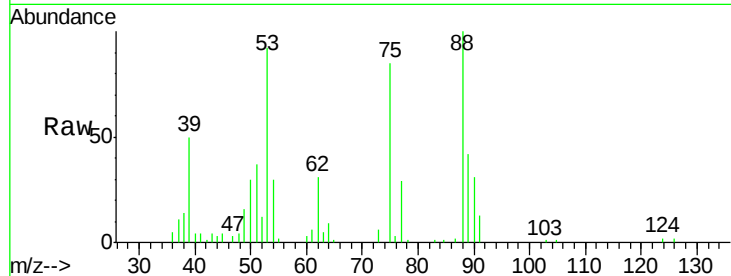
#81
trans-1,4-Dichloro-2-butene
Concen: 18.159 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN064711.D
Acq: 18 Nov 2020 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	114.8	88.8	133.2
89	53.9	43.1	64.7

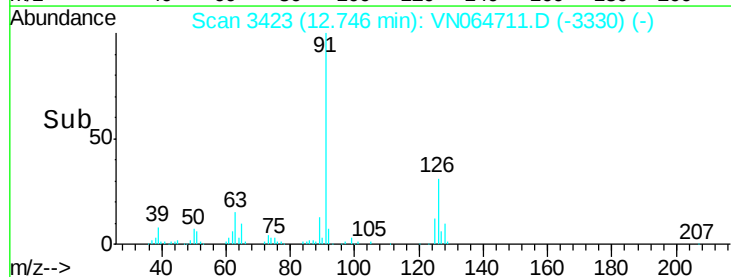
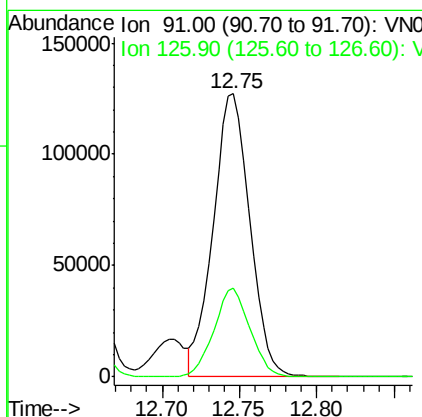
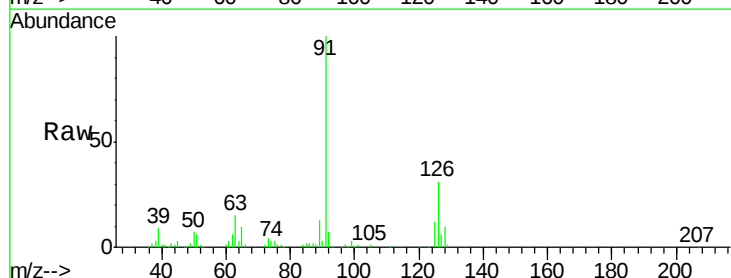
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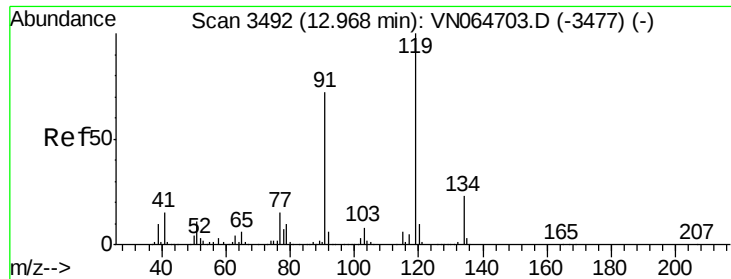
MMDadoda
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#82
4-Chlorotoluene
Concen: 18.986 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN064711.D
Acq: 18 Nov 2020 16:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.9	47.7





#83

tert-Butylbenzene

Concen: 19.404 ug/l

RT: 12.96 min Scan# 3491

Delta R.T. -0.00 min

Lab File: VN064711.D

Acq: 18 Nov 2020 16:57

Instrument :

MSVOA_N

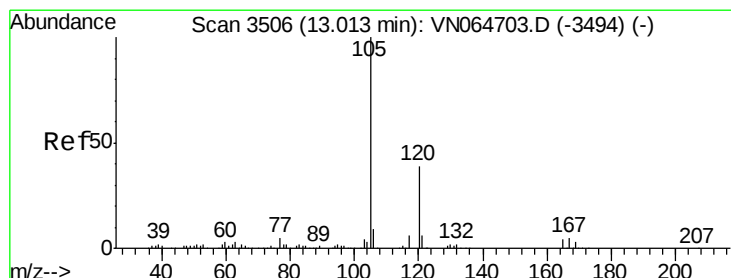
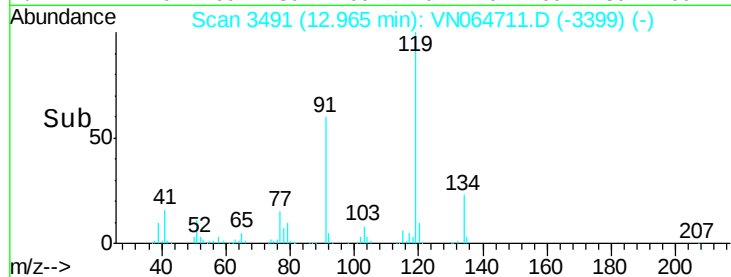
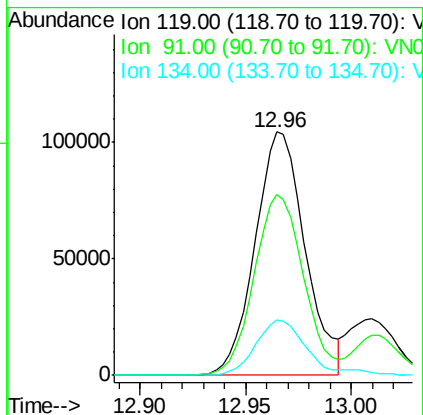
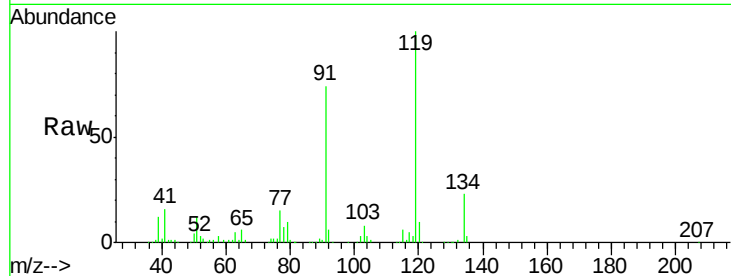
ClientSampleId :

VN1118WBS01

Tot Ion:	119	Resp:	172579
Ion Ratio	Lower	Upper	
119	100		
91	73.3	35.8	107.4
134	23.6	12.0	36.1

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 19.356 ug/l

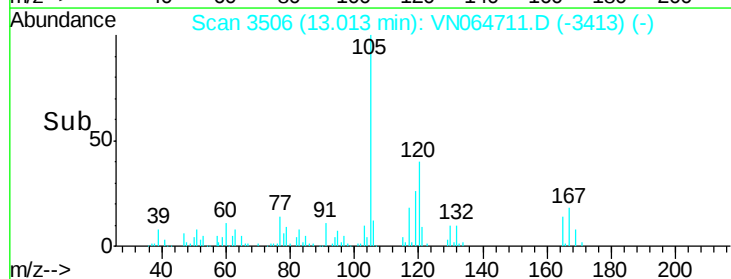
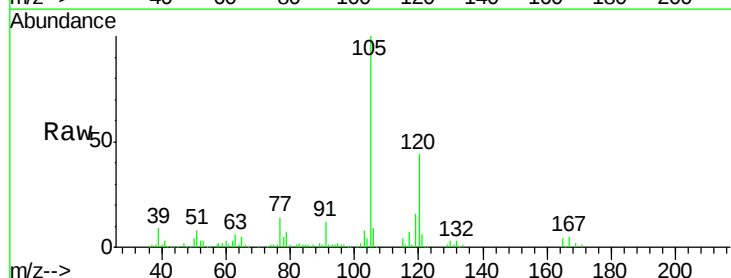
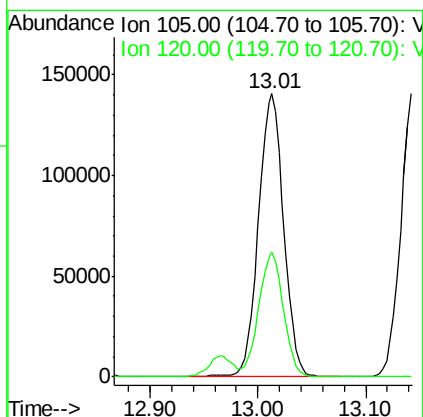
RT: 13.01 min Scan# 3506

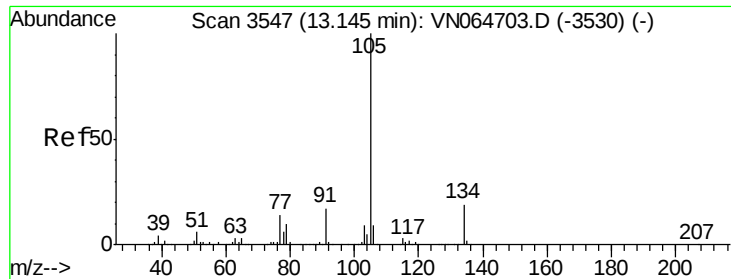
Delta R.T. 0.00 min

Lab File: VN064711.D

Acq: 18 Nov 2020 16:57

Tgt Ion:	105	Resp:	227103
Ion Ratio	Lower	Upper	
105	100		
120	43.1	22.0	66.0





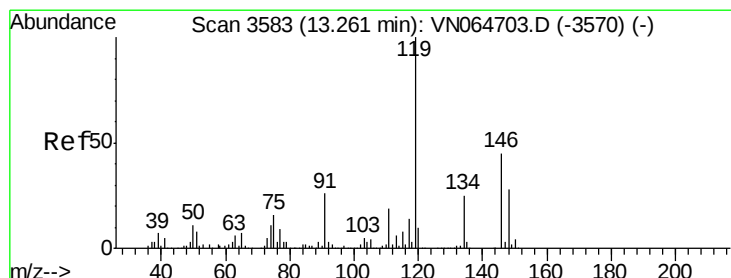
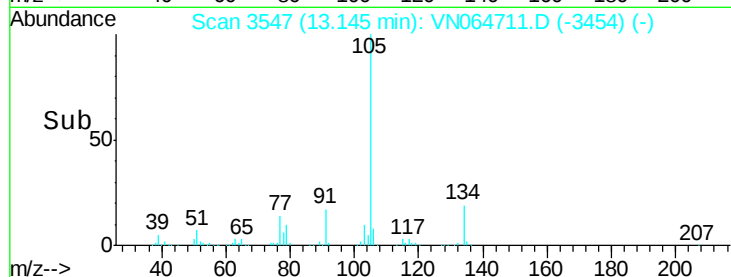
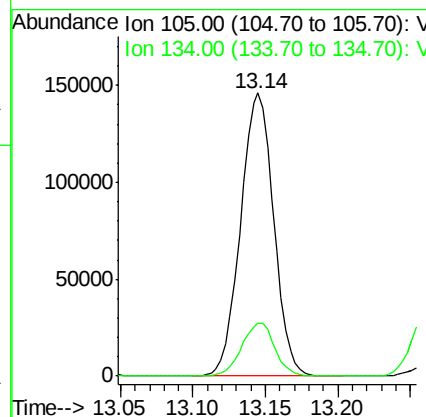
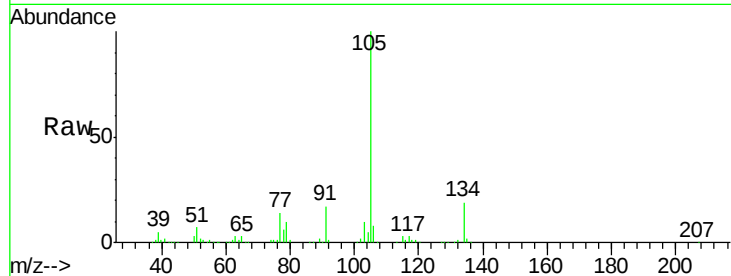
#85
 sec-Butylbenzene
 Concen: 19.503 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN064711.D
 Acq: 18 Nov 2020 16:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.6	9.5	28.5

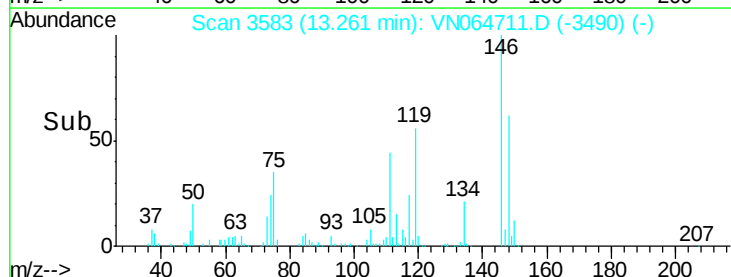
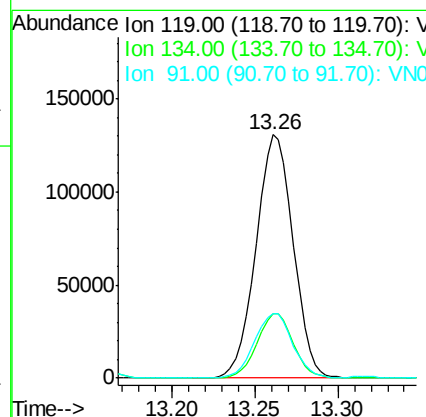
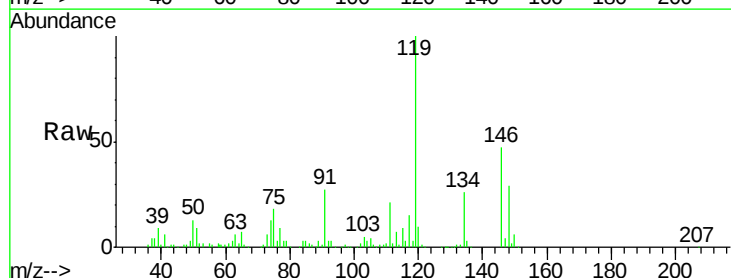
Manual Integrations
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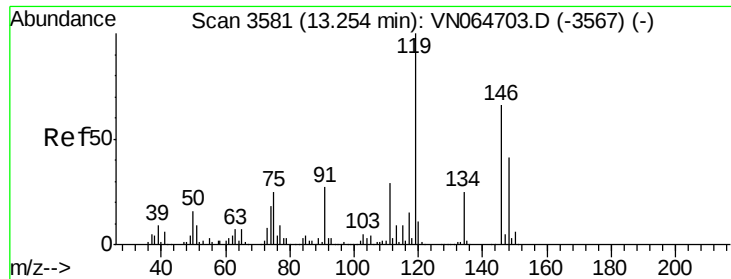
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#86
 p-Isopropyltoluene
 Concen: 18.598 ug/l
 RT: 13.26 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN064711.D
 Acq: 18 Nov 2020 16:57

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.7	38.0
91	27.4	13.3	39.8





#87

1,3-Dichlorobenzene

Concen: 17.880 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN064711.D

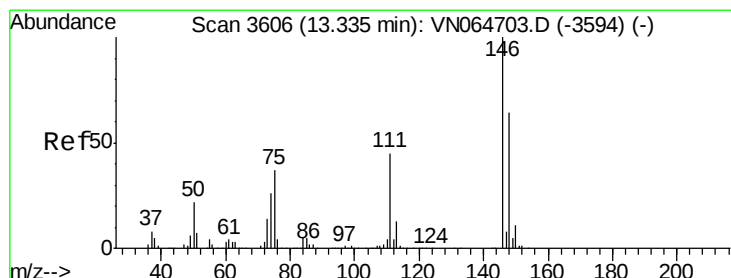
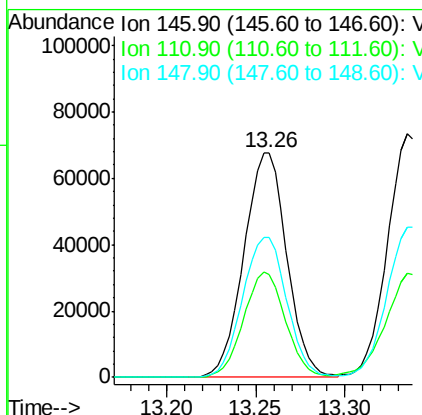
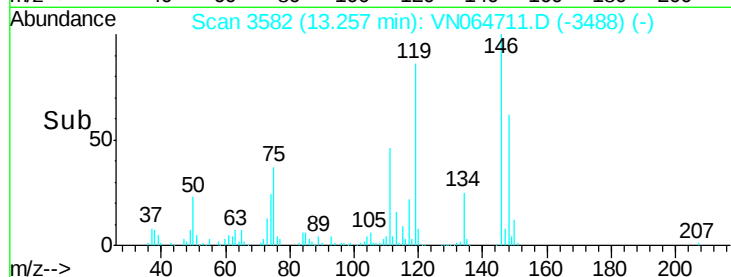
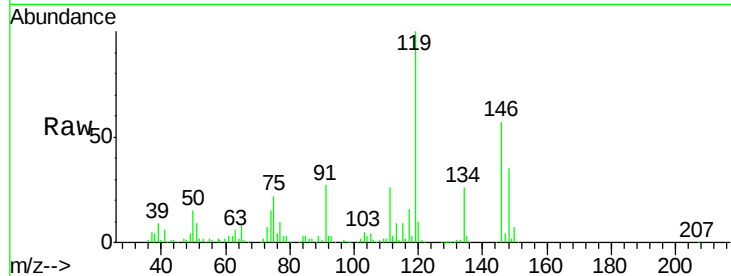
Acq: 18 Nov 2020 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.4	21.8	65.4
148	64.1	31.5	94.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.219 ug/l

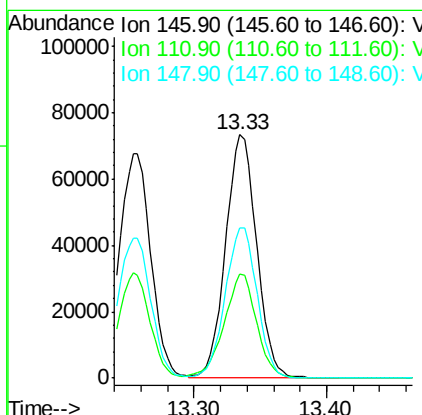
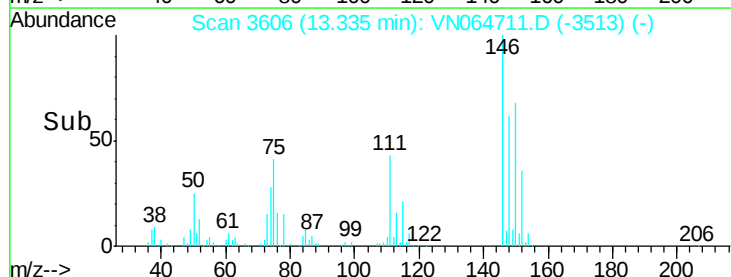
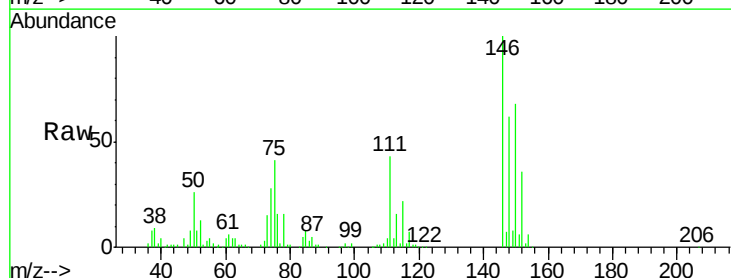
RT: 13.33 min Scan# 3606

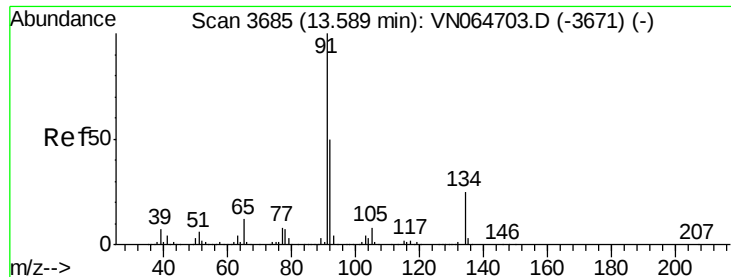
Delta R.T. 0.00 min

Lab File: VN064711.D

Acq: 18 Nov 2020 16:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.3	66.8
148	63.9	31.6	94.7





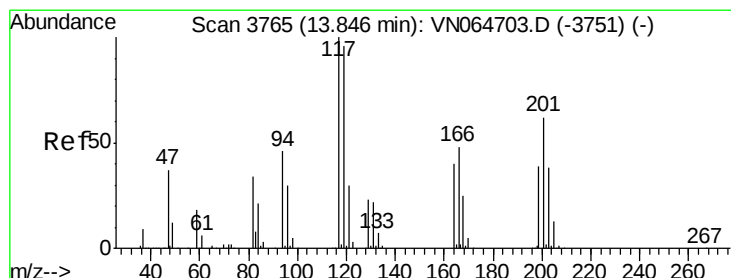
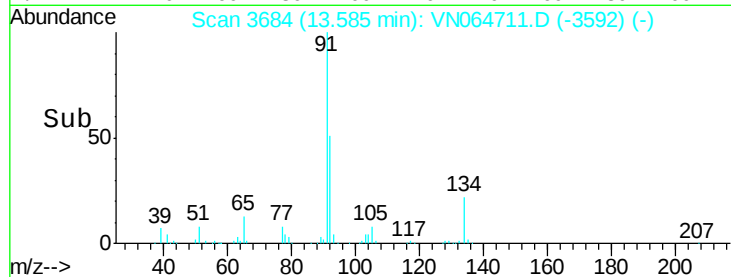
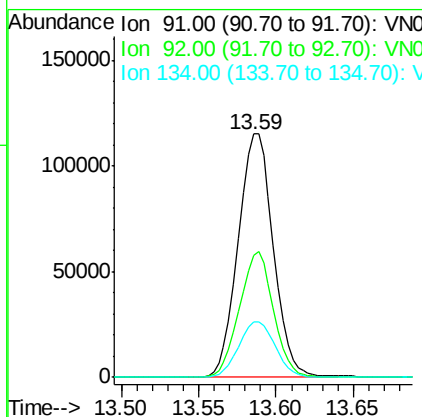
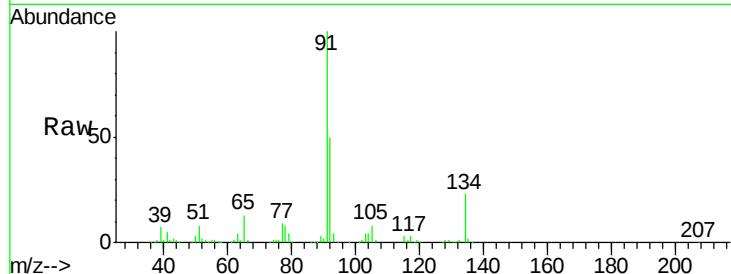
#89
n-Butylbenzene
Concen: 17.894 ug/l
RT: 13.59 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN064711.D
Acq: 18 Nov 2020 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.1	24.9	74.8
134	23.7	12.0	36.0

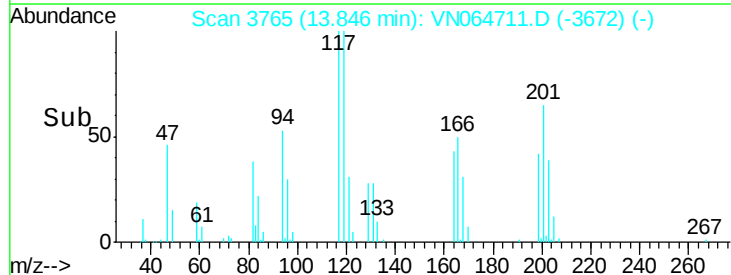
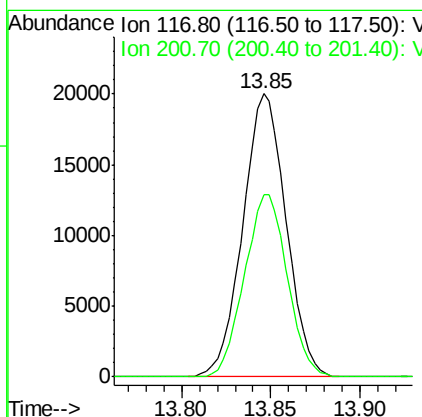
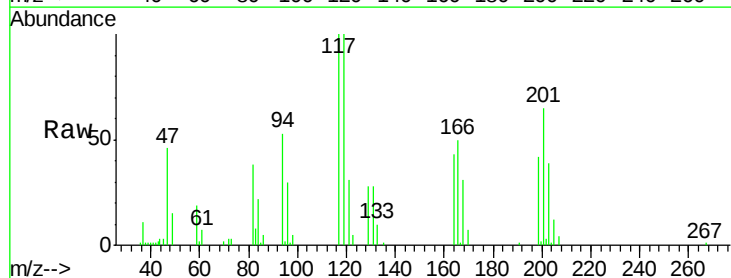
Manual Integrations
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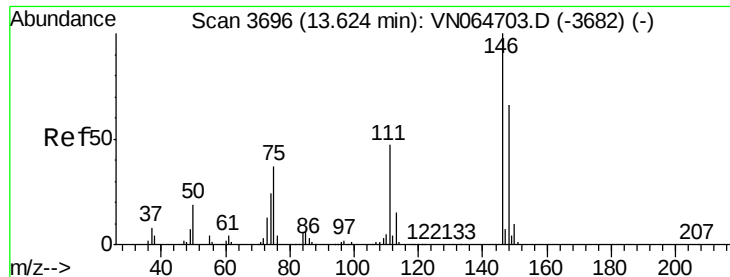
MMDadoda
11/19/2020 2:10:49 PM



#90
Hexachloroethane
Concen: 18.818 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN064711.D
Acq: 18 Nov 2020 16:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	63.8	31.9	95.5





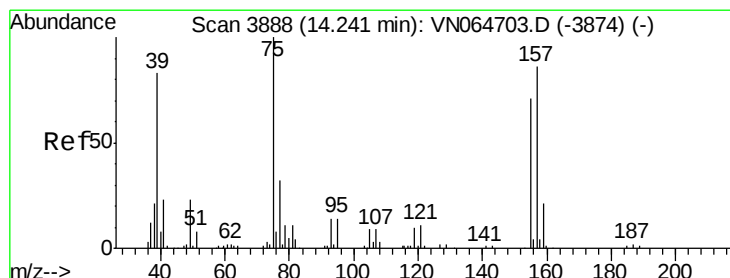
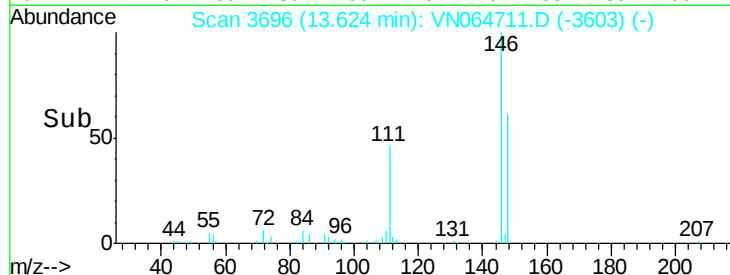
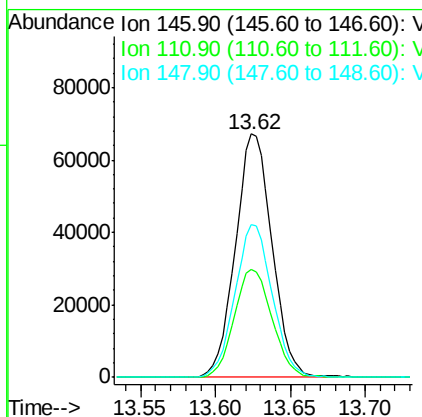
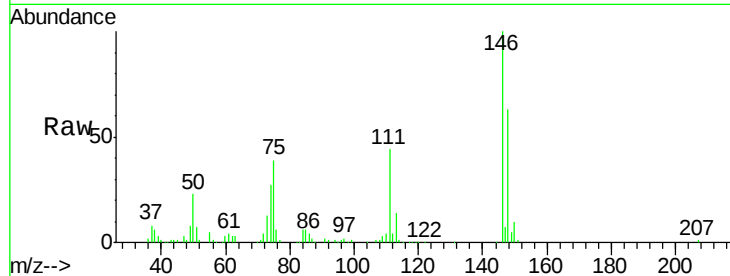
#91
 1,2-Dichlorobenzene
 Concen: 18.420 ug/l
 RT: 13.62 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN064711.D
 Acq: 18 Nov 2020 16:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.7	23.1	69.3
148	63.7	32.2	96.6

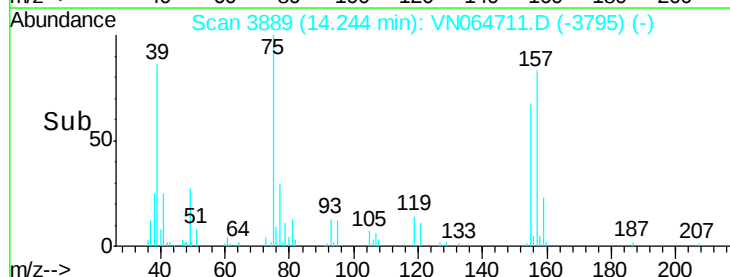
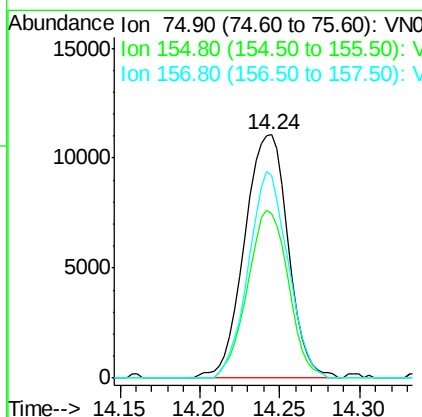
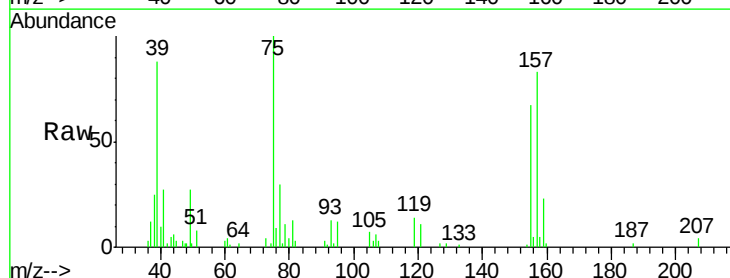
Manual Integrations
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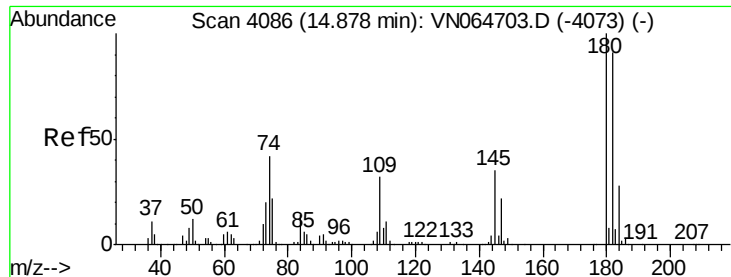
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.352 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064711.D
 Acq: 18 Nov 2020 16:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	64.4	33.6	100.6
157	76.9	42.4	127.2





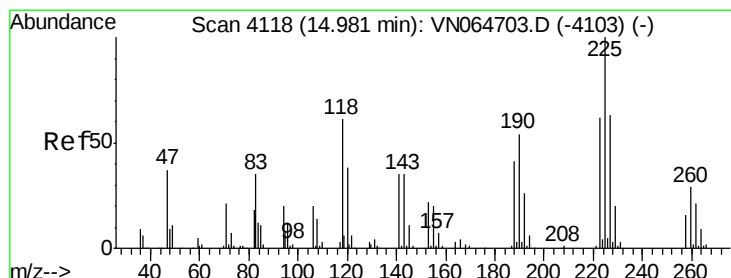
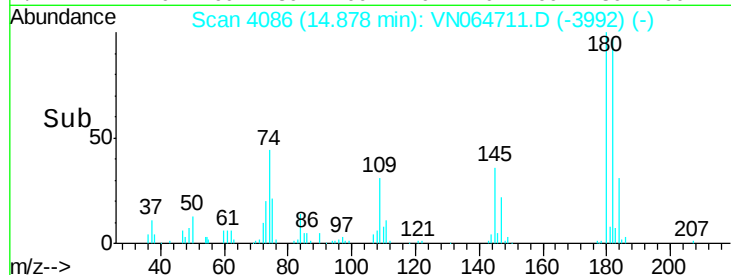
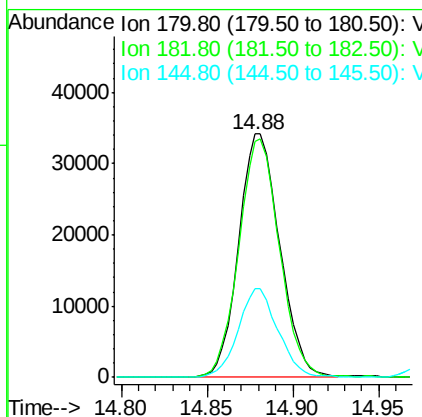
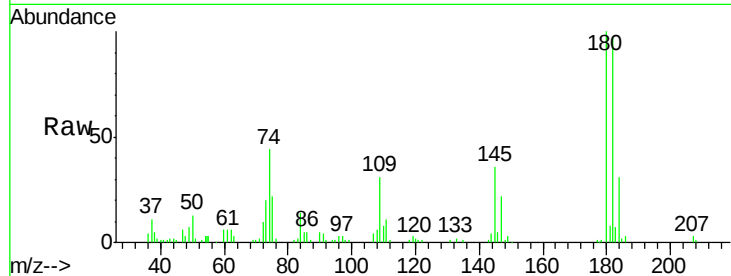
#93
 1,2,4-Trichlorobenzene
 Concen: 17.648 ug/l
 RT: 14.88 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN064711.D
 Acq: 18 Nov 2020 16:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	47.3	141.8
145	35.3	17.5	52.5

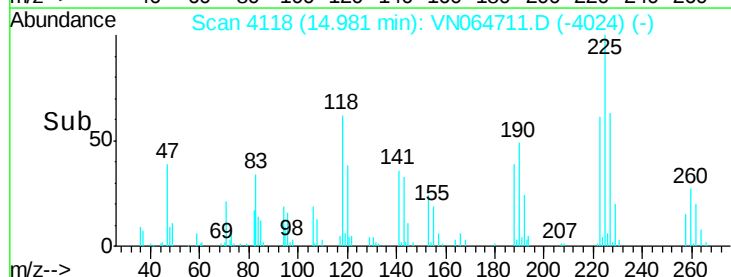
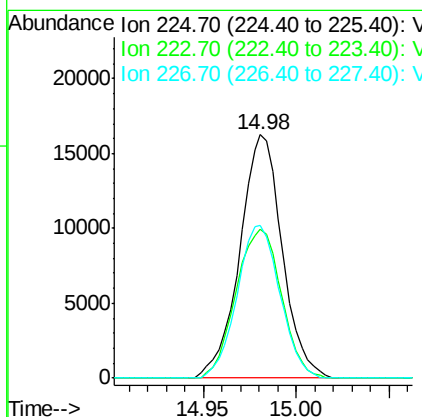
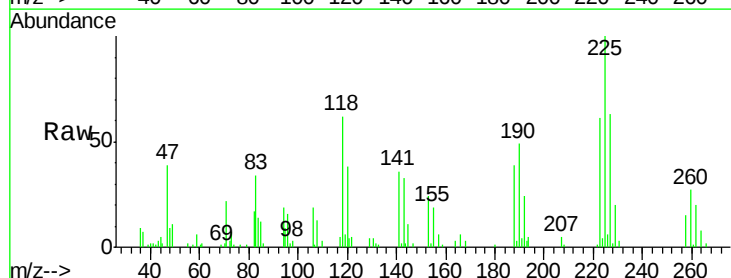
Manual Integrations
 APPROVED

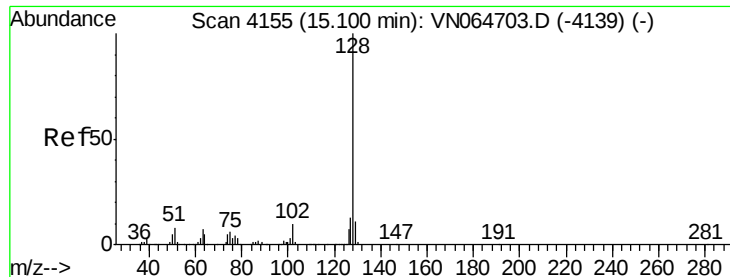
MMDadoda
 11/19/2020 2:10:49 PM



#94
 Hexachlorobutadiene
 Concen: 18.343 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064711.D
 Acq: 18 Nov 2020 16:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.7	31.2	93.6
227	63.4	32.1	96.3





#95

Naphthalene

Concen: 17.736 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064711.D

Acq: 18 Nov 2020 16:57

Instrument :

MSVOA_N

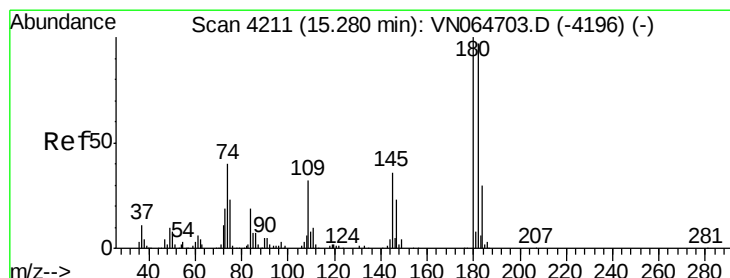
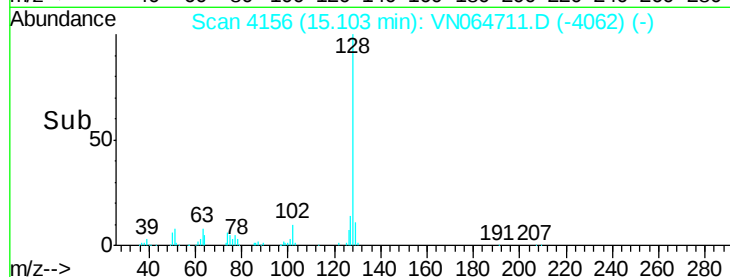
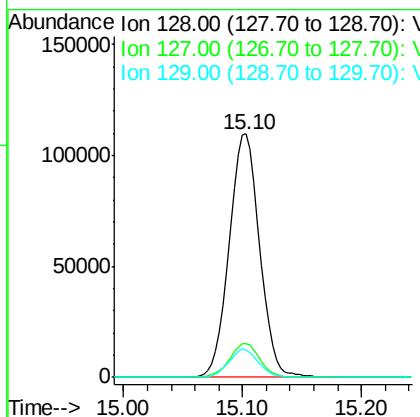
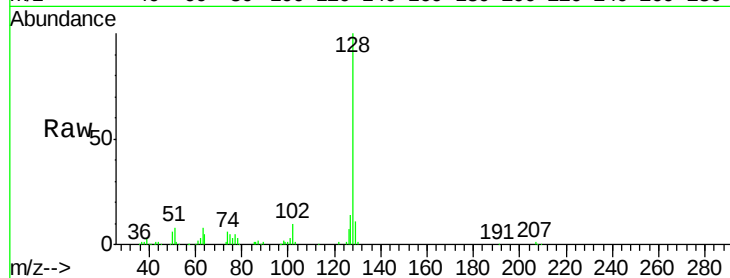
ClientSampleId :

VN1118WBS01

Tot Ion:	128	Resp:	194308
Ion Ratio	Lower	Upper	
128	100		
127	13.8	10.8	16.2
129	11.1	8.9	13.3

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 18.128 ug/l

RT: 15.28 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN064711.D

Acq: 18 Nov 2020 16:57

Tgt Ion:	180	Resp:	57199
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.5	142.5
145	37.2	18.1	54.1

