

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102120\
 Data File : VN064223.D
 Acq On : 21 Oct 2020 15:58
 Operator : JC/MD
 Sample : VN1021WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 2:10:10 PM

Quant Time: Oct 22 01:58:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 21 12:48:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	257056	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	418436	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	380281	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	178805	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	194671	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
35) Dibromofluoromethane	7.55	113	138935	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
50) Toluene-d8	10.06	98	490392	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
62) 4-Bromofluorobenzene	12.38	95	196288	47.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	58497	19.120	ug/l	98
3) Chloromethane	2.04	50	56852	19.136	ug/l	98
4) Vinyl Chloride	2.16	62	56293	19.111	ug/l	92
5) Bromomethane	2.54	94	38243	19.919	ug/l	95
6) Chloroethane	2.68	64	32122	17.914	ug/l	98
7) Trichlorofluoromethane	2.99	101	96105	19.840	ug/l	92
8) Diethyl Ether	3.38	74	31064	19.387	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	49157	19.625	ug/l	97
10) Methyl Iodide	3.91	142	61592	17.292	ug/l	99
11) Tert butyl alcohol	4.73	59	49574	97.012	ug/l	99
12) 1,1-Dichloroethene	3.70	96	43308	17.976	ug/l	98
13) Acrolein	3.57	56	24108	75.155	ug/l	96
14) Allyl chloride	4.27	41	84921	17.612	ug/l	96
15) Acrylonitrile	4.93	53	103721	98.158	ug/l #	88
16) Acetone	3.77	43	106408	97.419	ug/l	99
17) Carbon Disulfide	4.01	76	130520	18.992	ug/l	98
18) Methyl Acetate	4.28	43	53729	19.304	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	159016	19.199	ug/l	98
20) Methylene Chloride	4.50	84	51550	17.699	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	49258	18.541	ug/l	94
22) Diisopropyl ether	5.90	45	163757	18.269	ug/l	98
23) Vinyl Acetate	5.84	43	768110	96.087	ug/l	100
24) 1,1-Dichloroethane	5.80	63	98982	19.062	ug/l	99
25) 2-Butanone	6.78	43	167031	96.251	ug/l	100
26) 2,2-Dichloropropane	6.78	77	94976	18.372	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	59673	19.288	ug/l	96
28) Bromochloromethane	7.15	49	51497	20.875	ug/l	96
29) Tetrahydrofuran	7.17	42	101784	98.053	ug/l	98
30) Chloroform	7.33	83	104018	18.779	ug/l	100
31) Cyclohexane	7.61	56	81073	17.915	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	96016	18.504	ug/l	97
36) 1,1-Dichloropropene	7.75	75	74490	17.857	ug/l	99
37) Ethyl Acetate	6.88	43	72999	19.273	ug/l	99
38) Carbon Tetrachloride	7.73	117	86408	18.205	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	69683	18.371	ug/l	98
40) Benzene	8.00	78	210404	18.272	ug/l	99
41) Methacrylonitrile	7.12	41	33985m	17.105	ug/l	
42) 1,2-Dichloroethane	8.09	62	91564	18.561	ug/l	100
43) Isopropyl Acetate	8.13	43	143414	20.317	ug/l #	88
44) Trichloroethene	8.80	130	59414	18.934	ug/l	99
45) 1,2-Dichloropropane	9.08	63	56291	18.311	ug/l	97
46) Dibromomethane	9.17	93	40031	19.393	ug/l	94
47) Bromodichloromethane	9.37	83	86534	18.975	ug/l	96
48) Methyl methacrylate	9.16	41	67452	18.293	ug/l	98
49) 1,4-Dioxane	9.16	88	17472	404.972	ug/l	94
51) 4-Methyl-2-Pentanone	9.95	43	367205	97.336	ug/l	99
52) Toluene	10.12	92	132587	17.994	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	99633	19.666	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	100778	18.893	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	52718	18.944	ug/l	94
56) Ethyl methacrylate	10.40	69	83230	19.343	ug/l	98
57) 1,3-Dichloropropane	10.68	76	95154	19.685	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.66	63	222067	100.222	ug/l	99
59) 2-Hexanone	10.72	43	265729	96.449	ug/l	100
60) Dibromochloromethane	10.87	129	66744	18.527	ug/l	99
61) 1,2-Dibromoethane	10.98	107	57615	19.620	ug/l	94
64) Tetrachloroethene	10.60	164	56994	18.616	ug/l	97
65) Chlorobenzene	11.41	112	148494	18.865	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	57528	18.412	ug/l	100
67) Ethyl Benzene	11.48	91	268926	18.590	ug/l	100
68) m/p-Xylenes	11.59	106	196852	36.727	ug/l	99
69) o-Xylene	11.92	106	93251	17.989	ug/l	95
70) Styrene	11.94	104	162622	18.716	ug/l	100
71) Bromoform	12.10	173	43779	18.138	ug/l #	97
73) Isopropylbenzene	12.22	105	257906	18.912	ug/l	99
74) N-amyl acetate	12.05	43	114294	19.396	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	69550	19.218	ug/l	96
76) 1,2,3-Trichloropropane	12.53	75	70742m	18.767	ug/l	
77) Bromobenzene	12.50	156	62553	19.429	ug/l	98
78) n-propylbenzene	12.57	91	285635	18.577	ug/l	99
79) 2-Chlorotoluene	12.65	91	178656	18.917	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	216804	18.805	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	28078	18.806	ug/l	96
82) 4-Chlorotoluene	12.75	91	189781	19.264	ug/l	100
83) tert-Butylbenzene	12.97	119	176398	18.662	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	220725	19.235	ug/l	100
85) sec-Butylbenzene	13.14	105	226137	18.977	ug/l	99
86) p-Isopropyltoluene	13.26	119	212653	19.596	ug/l	98
87) 1,3-Dichlorobenzene	13.34	146	109088	19.043	ug/l	97
88) 1,4-Dichlorobenzene	13.34	146	109088	18.605	ug/l	98
89) n-Butylbenzene	13.59	91	183694	18.884	ug/l	99
90) Hexachloroethane	13.85	117	34987	17.802	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	104993	18.682	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	18019	19.958	ug/l	98

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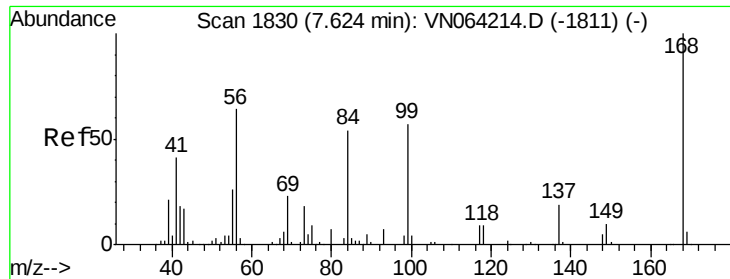
Manual Integrations
APPROVED

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10/23/2020 2:10:10 PM

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	61311	19.451	ug/l	97
94) Hexachlorobutadiene	14.98	225	32971	19.394	ug/l	98
95) Naphthalene	15.10	128	184778	19.575	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	60497	19.378	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064223.D

Acq: 21 Oct 2020 15:58

Instrument :

MSVOA_N

ClientSampleId :

VN1021WBSD01

Tot Ion:168 Resp: 257056

Ion Ratio Lower Upper

168 100

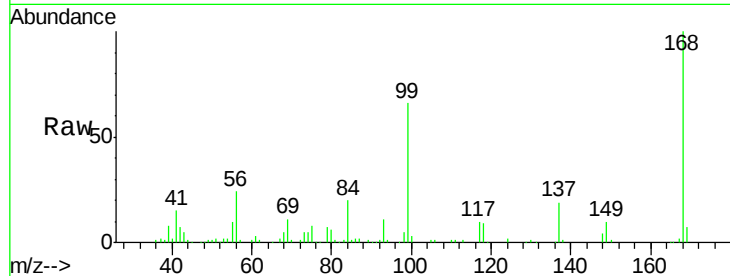
99 65.6 54.0 81.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

120000

100000

80000

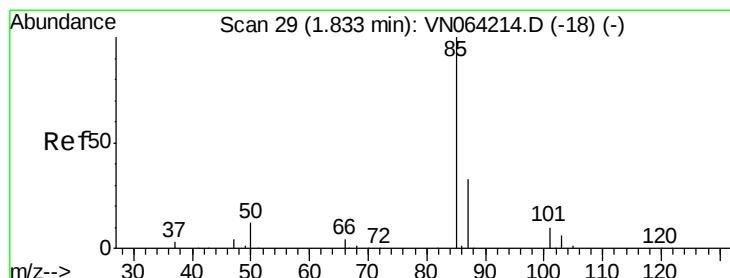
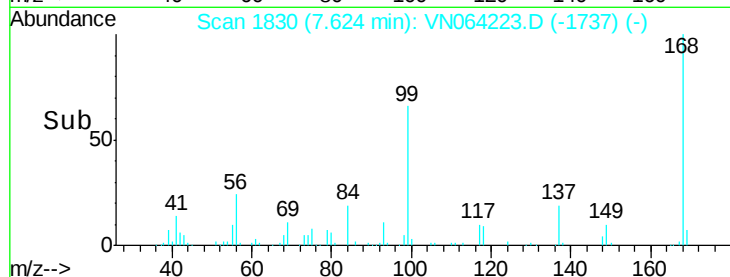
60000

40000

20000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#2

Dichlorodifluoromethane

Concen: 19.120 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064223.D

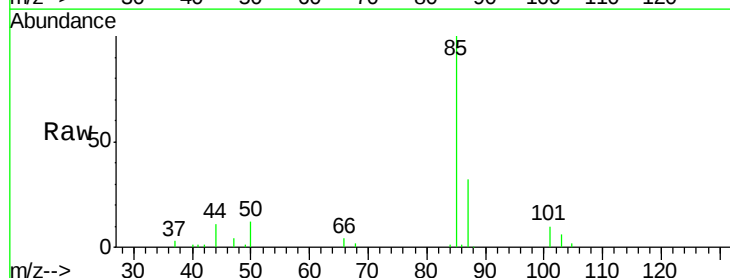
Acq: 21 Oct 2020 15:58

Tgt Ion: 85 Resp: 58497

Ion Ratio Lower Upper

85 100

87 32.2 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

50000

40000

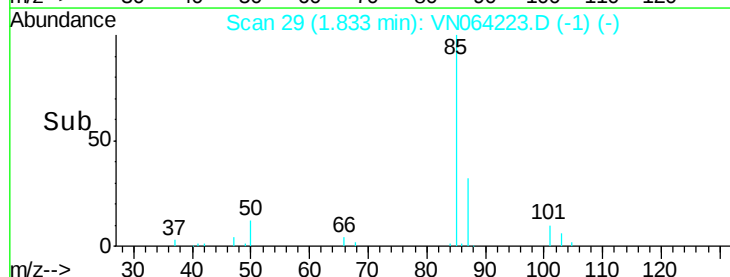
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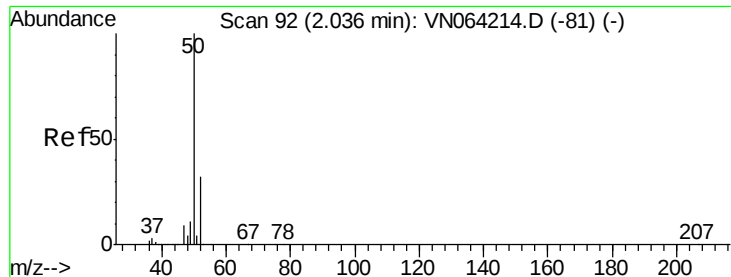
20000

10000

0

Time--> 1.75 1.80 1.85 1.90





#3

Chloromethane

Concen: 19.136 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064223.D

Acq: 21 Oct 2020 15:58

Instrument :

MSVOA_N

ClientSampleId :

VN1021WBSD01

Tot Ion: 50 Resp: 56852

Ion Ratio Lower Upper

50 100

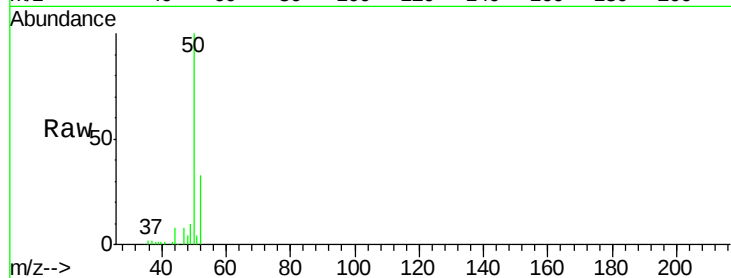
52 32.7 25.3 37.9

Manual Integrations

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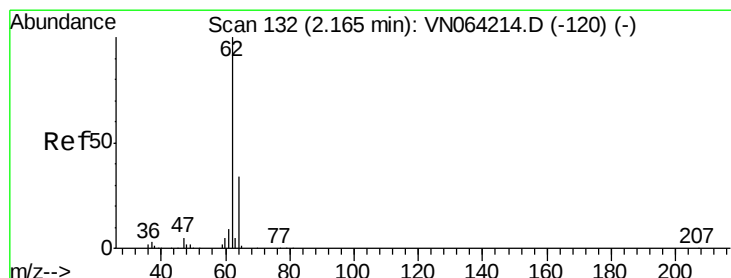
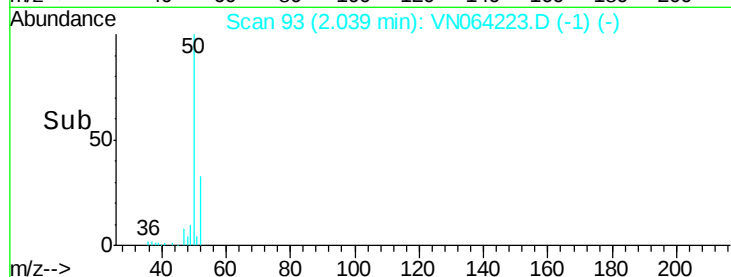
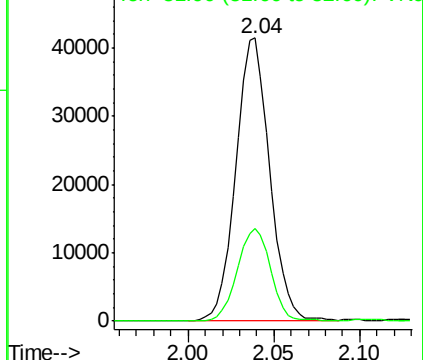
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.111 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN064223.D

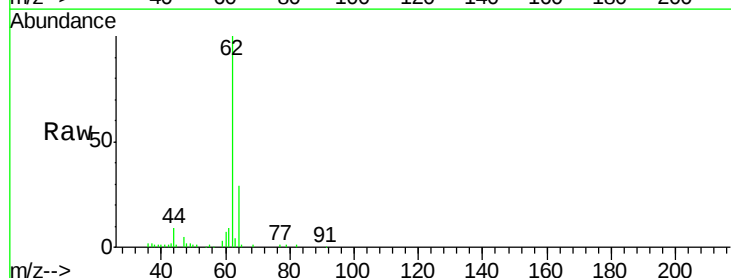
Acq: 21 Oct 2020 15:58

Tgt Ion: 62 Resp: 56293

Ion Ratio Lower Upper

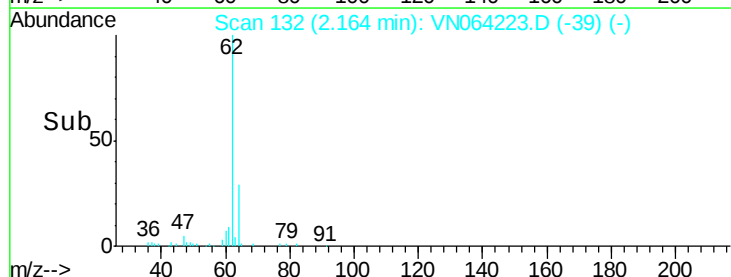
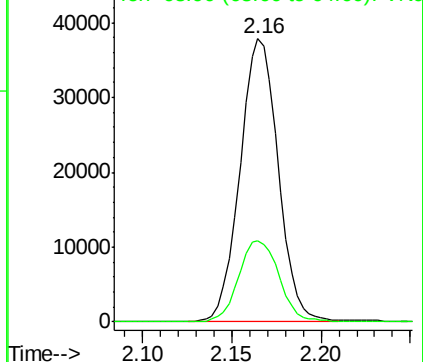
62 100

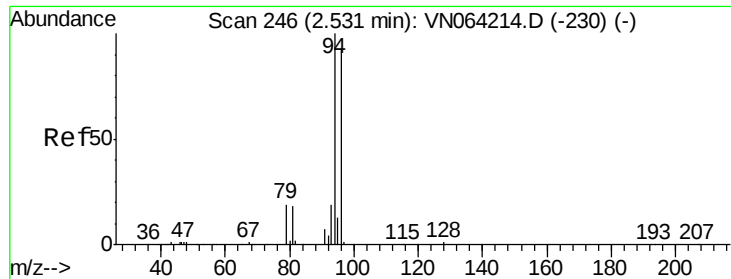
64 28.9 26.8 40.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 19.919 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN064223.D

Acq: 21 Oct 2020 15:58

Instrument :

MSVOA_N

ClientSampleId :

VN1021WBSD01

Tot Ion: 94 Resp: 38243

Ion Ratio Lower Upper

94 100

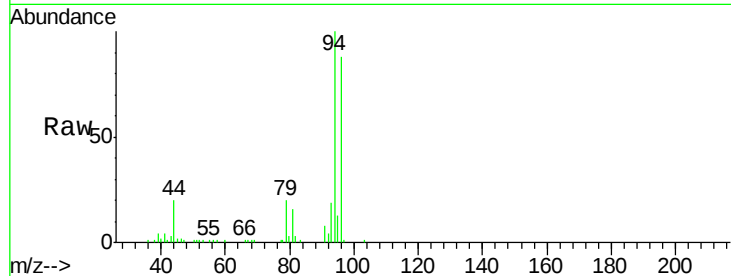
96 88.3 74.2 111.4

Manual Integrations

APPROVED

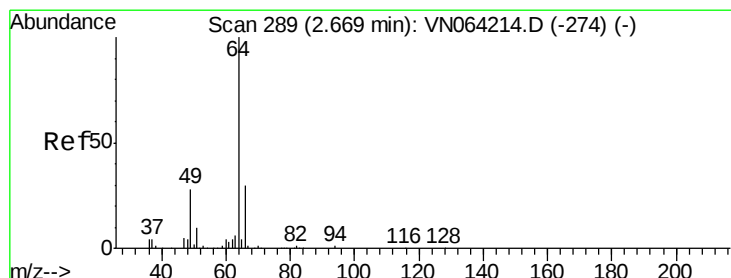
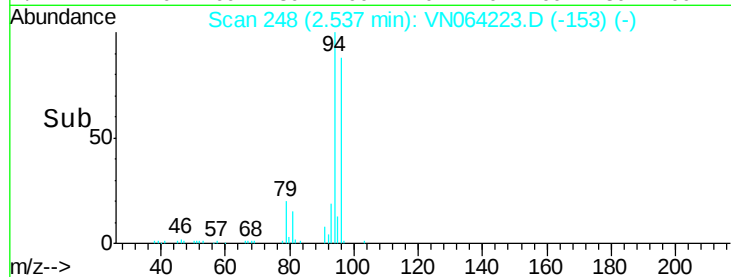
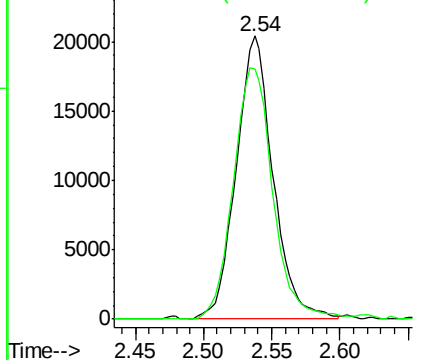
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 17.914 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN064223.D

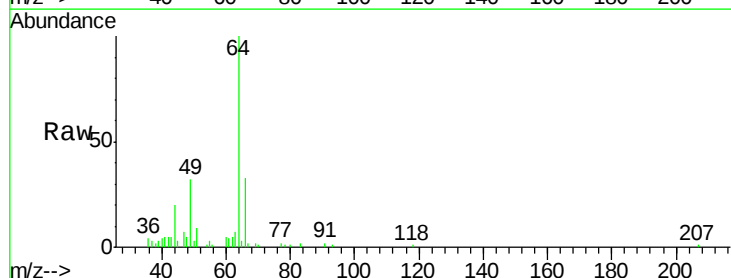
Acq: 21 Oct 2020 15:58

Tgt Ion: 64 Resp: 32122

Ion Ratio Lower Upper

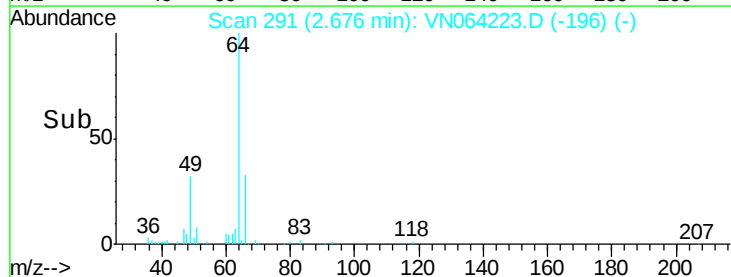
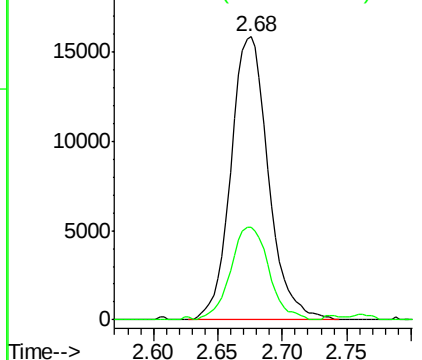
64 100

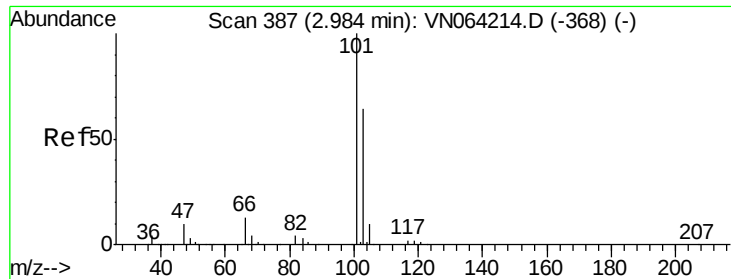
66 31.7 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

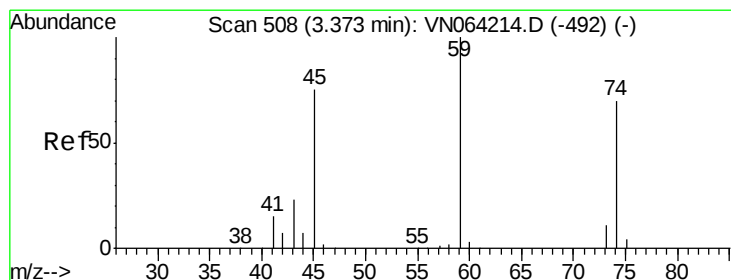
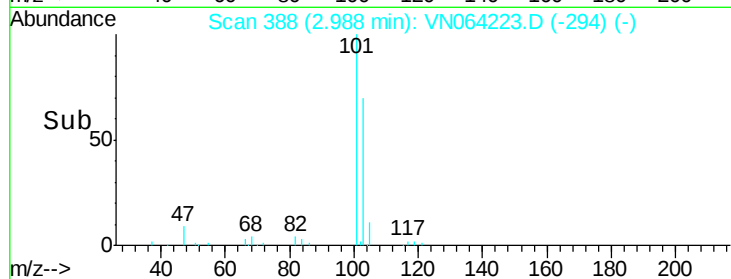
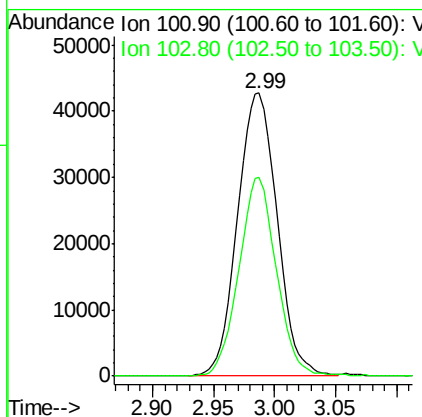
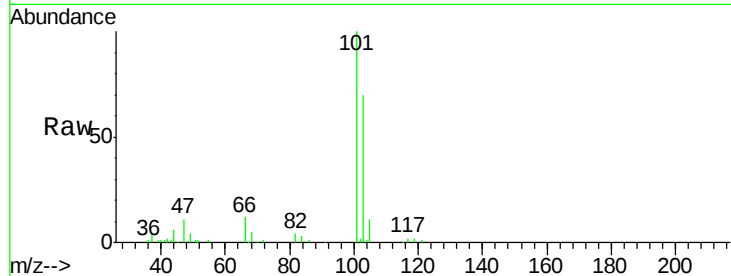
Trichlorofluoromethane
Concen: 19.840 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN064223.D
Acq: 21 Oct 2020 15:58

Instrument :
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VN1021WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	70.4	51.0	76.6

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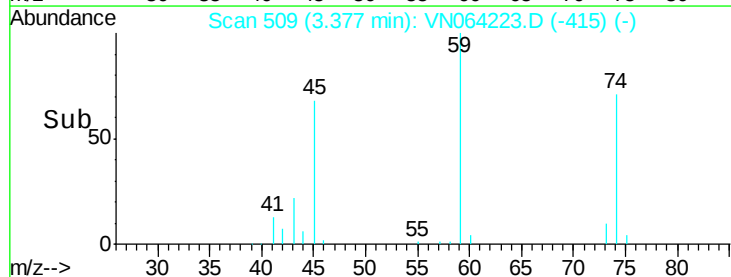
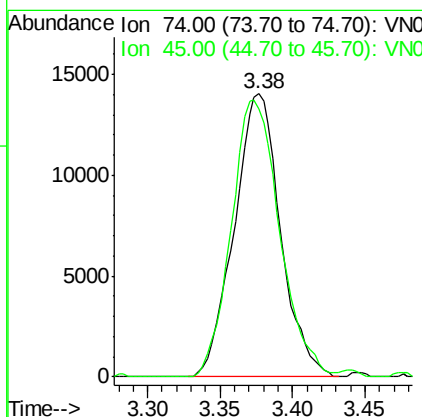
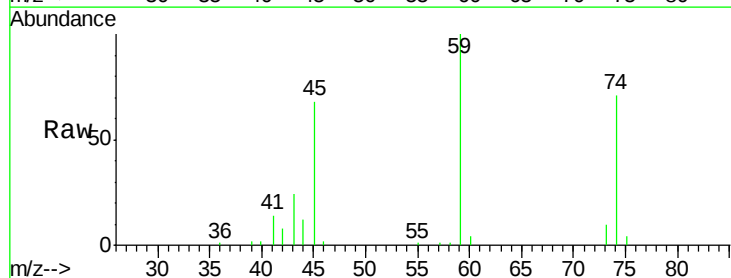
MMDadoda
10/23/2020 2:10:10 PM

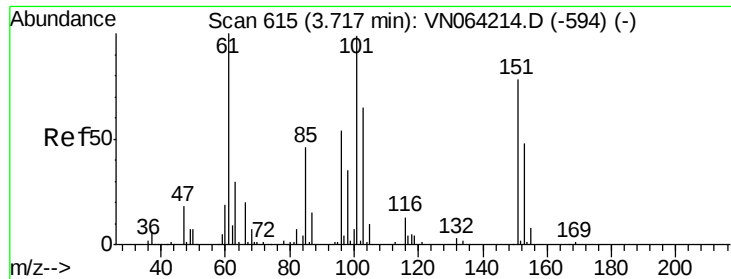


#8

Diethyl Ether
Concen: 19.387 ug/l
RT: 3.38 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN064223.D
Acq: 21 Oct 2020 15:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.6	51.3	154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.625 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN064223.D

Acq: 21 Oct 2020 15:58

Instrument :

MSVOA_N

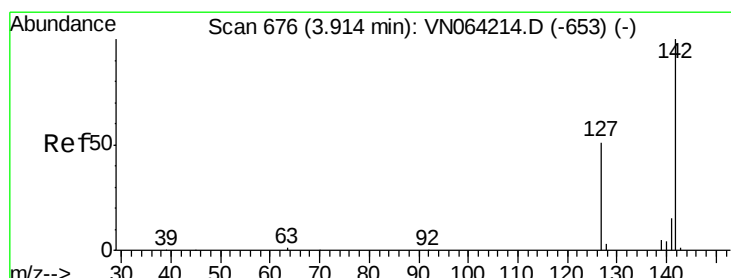
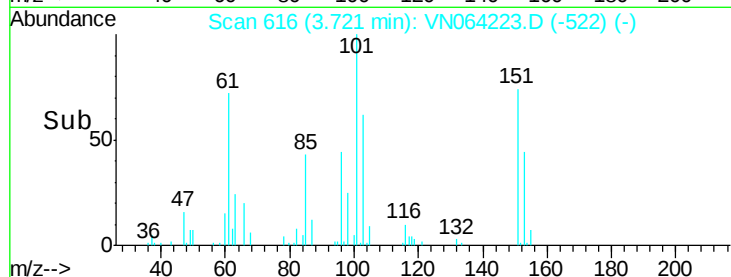
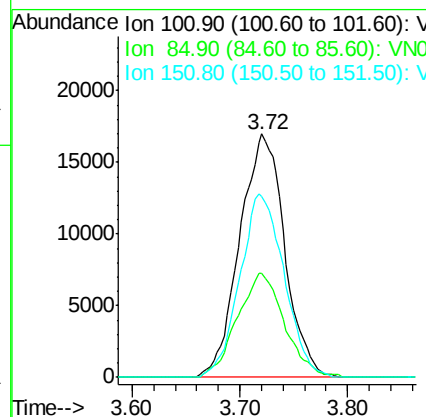
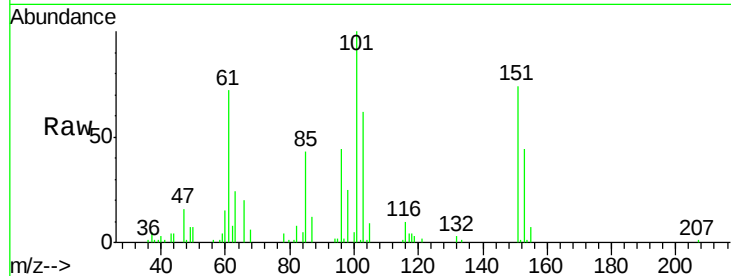
ClientSampleId :

VN1021WBSD01

Tot Ion:	101	Resp:	49157
Ion Ratio	Lower	Upper	
101	100		
85	44.5	37.8	56.8
151	74.3	61.4	92.2

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#10

Methyl Iodide

Concen: 17.292 ug/l

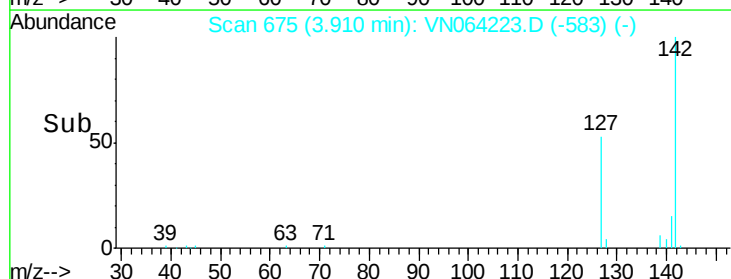
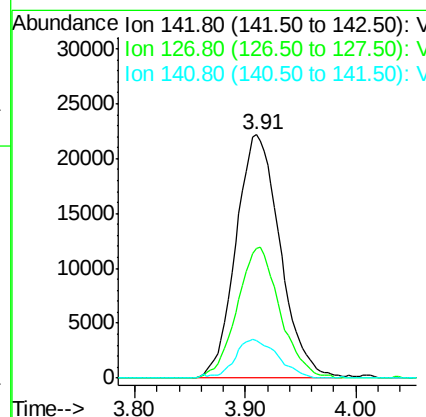
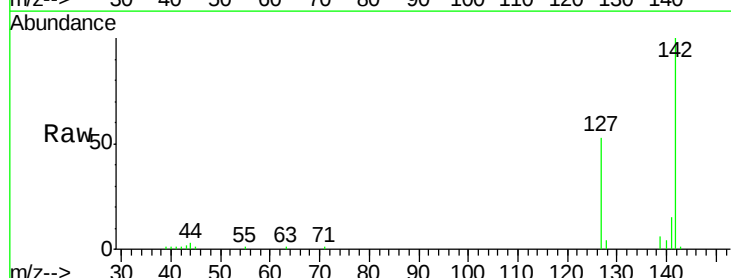
RT: 3.91 min Scan# 675

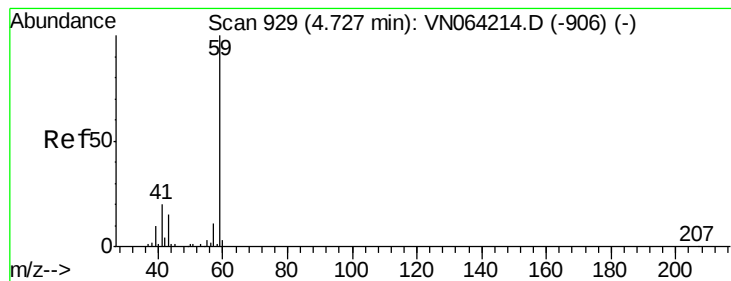
Delta R.T. -0.00 min

Lab File: VN064223.D

Acq: 21 Oct 2020 15:58

Tgt Ion:	142	Resp:	61592
Ion Ratio	Lower	Upper	
142	100		
127	52.0	41.0	61.6
141	15.2	11.3	16.9





#11

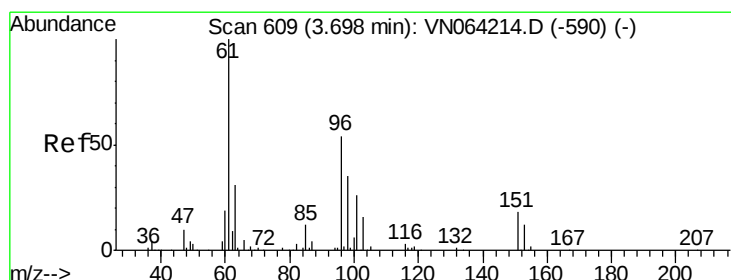
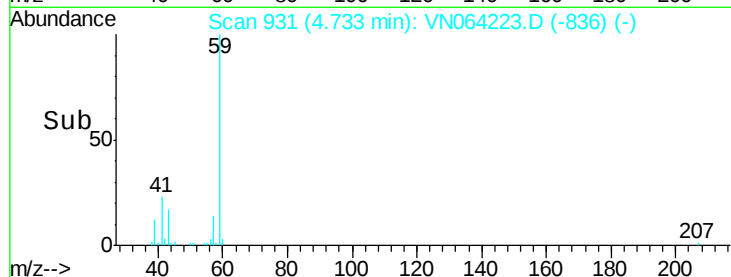
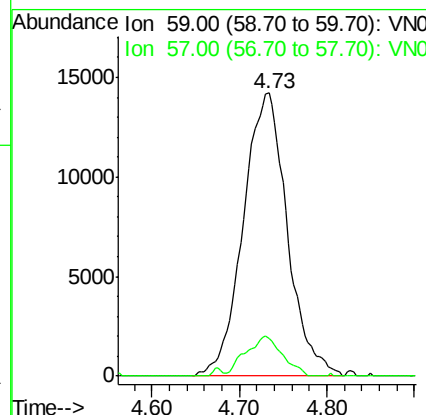
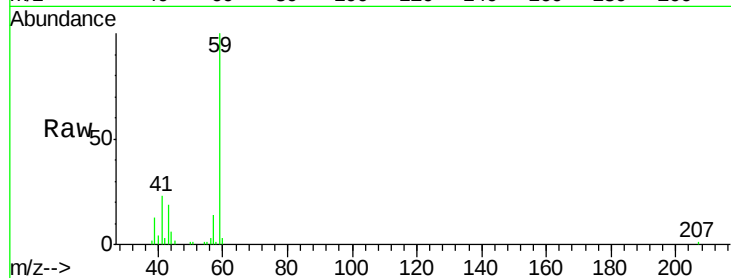
Tert butyl alcohol
Concen: 97.012 ug/l
RT: 4.73 min Scan# 931
Delta R.T. 0.01 min
Lab File: VN064223.D
Acq: 21 Oct 2020 15:58

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tot Ion	59	Resp	49574
Ion Ratio	100	Lower	Upper
57	11.8	9.2	13.8

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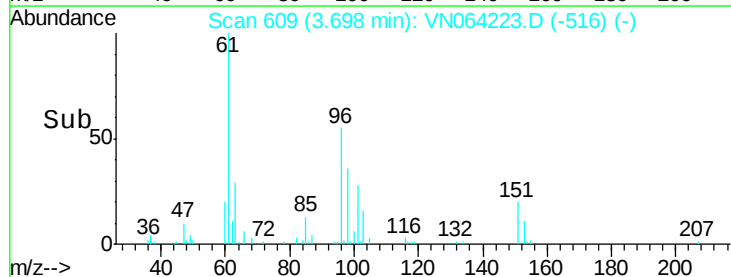
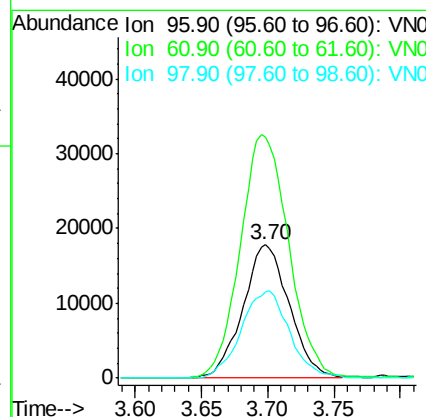
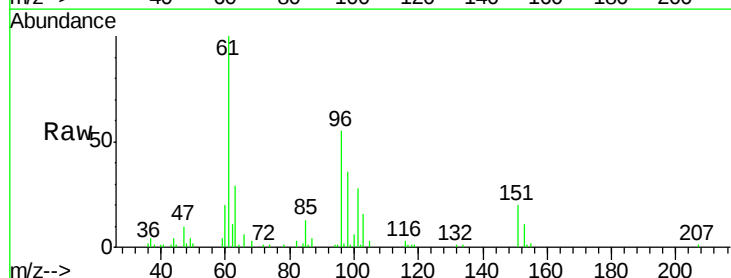
MMDadoda
10/23/2020 2:10:10 PM

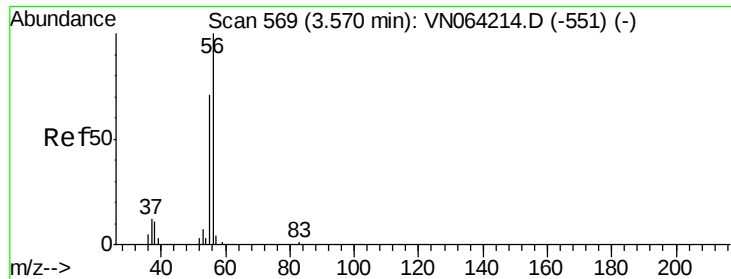


#12

1,1-Dichloroethene
Concen: 17.976 ug/l
RT: 3.70 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN064223.D
Acq: 21 Oct 2020 15:58

Tgt Ion	96	Resp	43308
Ion Ratio	100	Lower	Upper
61	180.3	147.0	220.4
98	64.5	51.7	77.5





#13

Acrolein

Concen: 75.155 ug/l

RT: 3.57 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN064223.D

Acq: 21 Oct 2020 15:58

Instrument :

MSVOA_N

ClientSampleId :

VN1021WBSD01

Tot Ion: 56 Resp: 24108

Ion Ratio Lower Upper

56 100

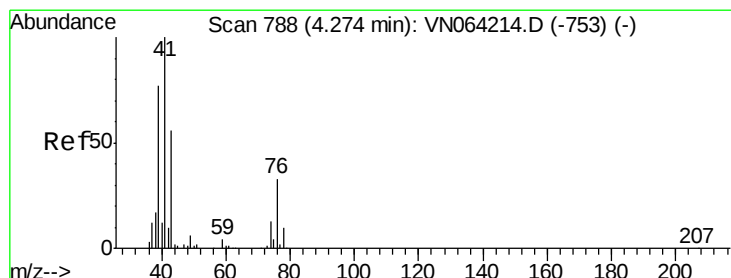
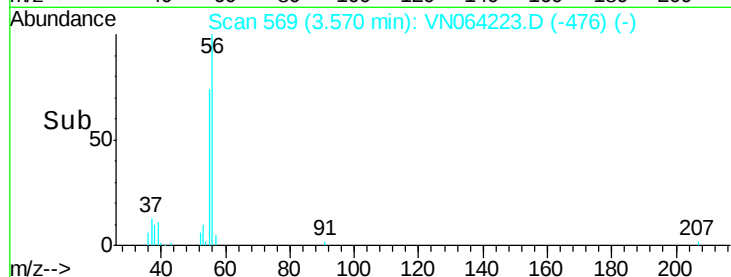
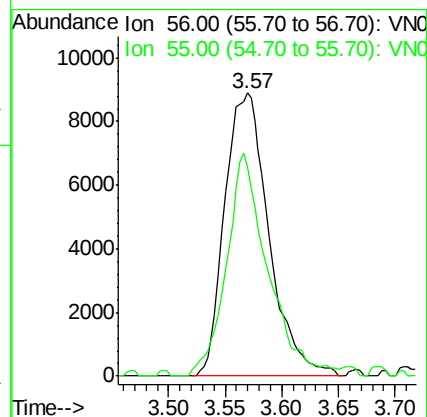
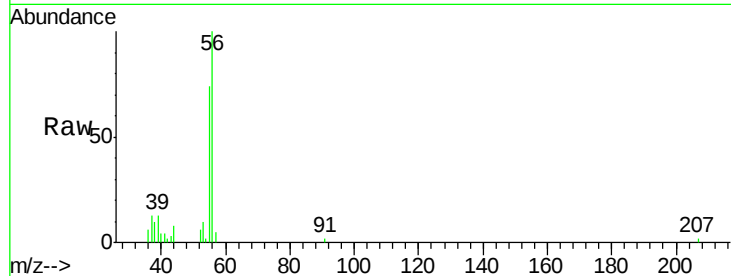
55 73.7 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 17.612 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN064223.D

Acq: 21 Oct 2020 15:58

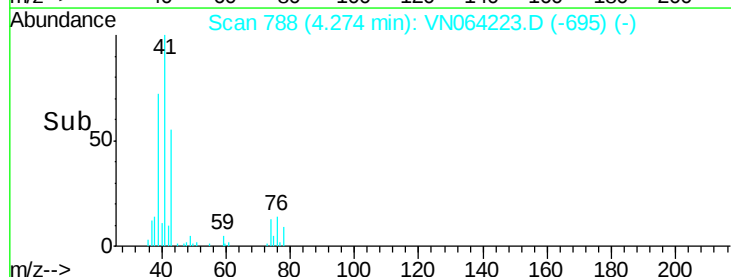
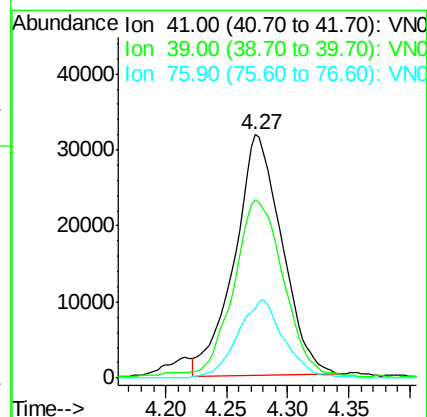
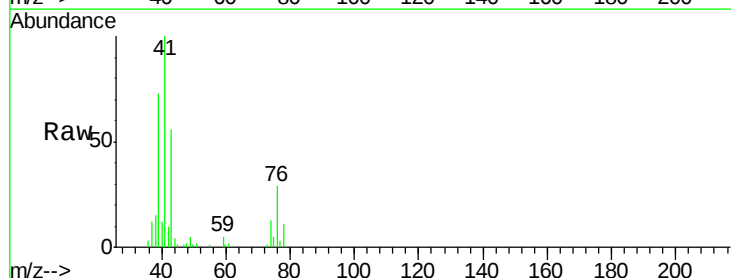
Tgt Ion: 41 Resp: 84921

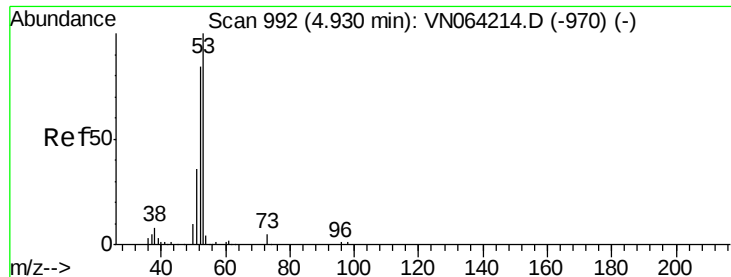
Ion Ratio Lower Upper

41 100

39 77.5 58.6 88.0

76 32.0 24.5 36.7





#15

Acrylonitrile

Concen: 98.158 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN064223.D

Acq: 21 Oct 2020 15:58

Instrument :

MSVOA_N

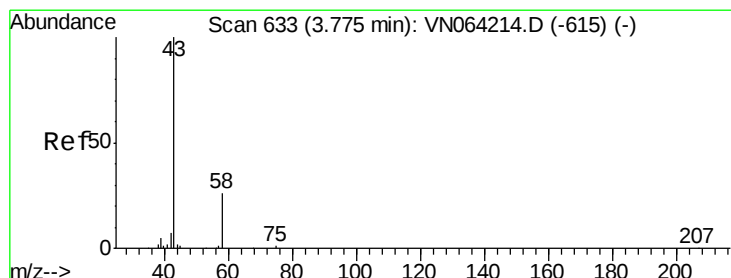
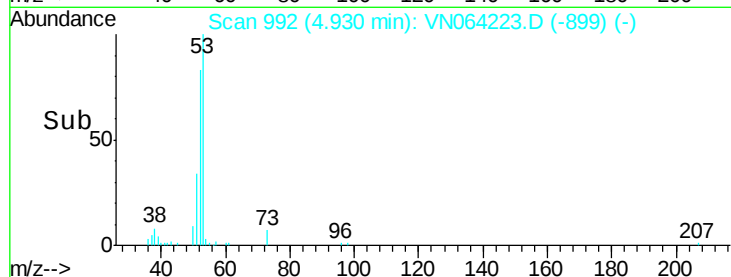
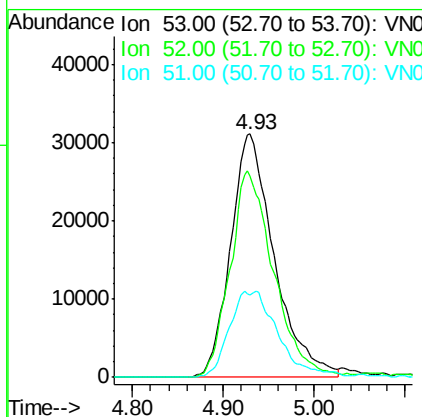
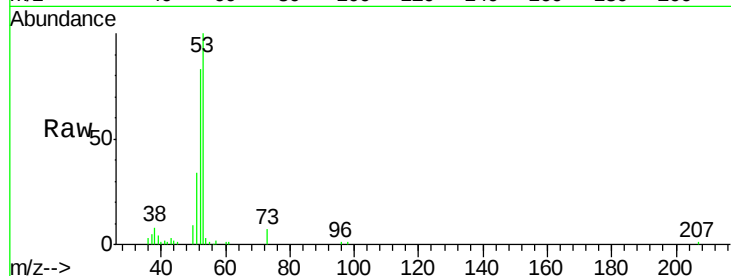
ClientSampleId :

VN1021WBSD01

Tot Ion:	53	Resp:	103721
Ion Ratio		Lower	Upper
53	100		
52	84.4	66.8	100.2
51	17.5	30.7	46.1#

Manual Integrations
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#16

Acetone

Concen: 97.419 ug/l

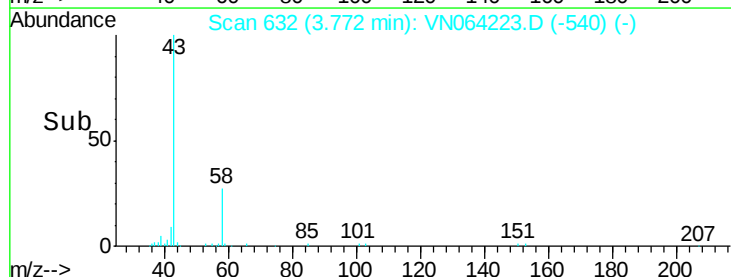
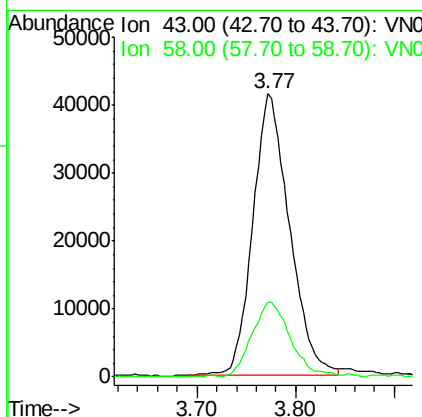
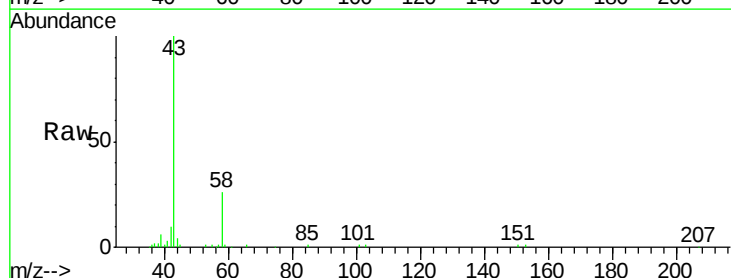
RT: 3.77 min Scan# 632

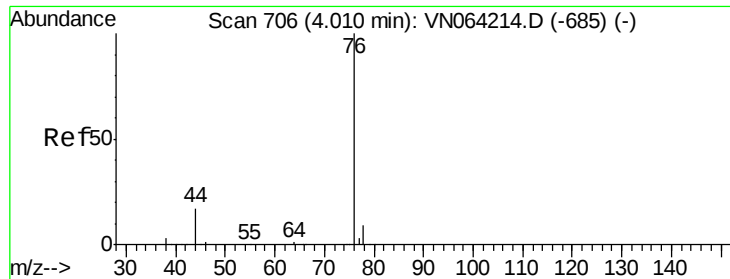
Delta R.T. -0.00 min

Lab File: VN064223.D

Acq: 21 Oct 2020 15:58

Tgt Ion:	43	Resp:	106408
Ion Ratio		Lower	Upper
43	100		
58	26.5	21.0	31.4





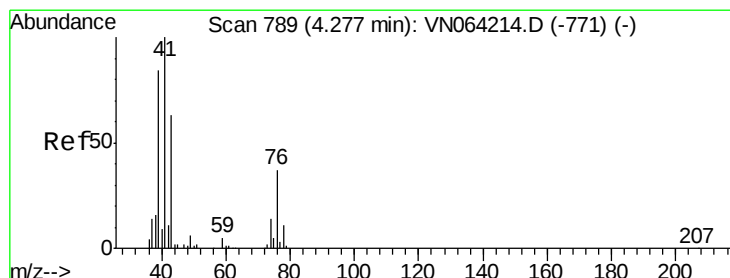
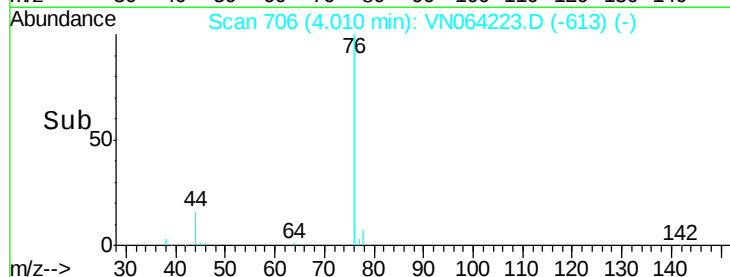
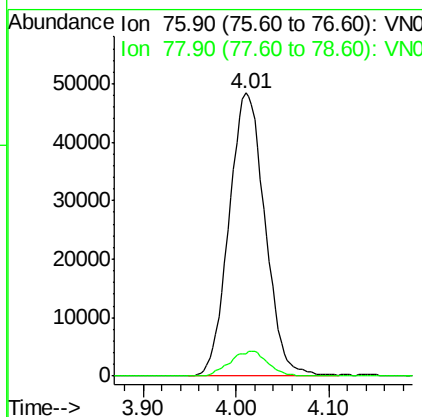
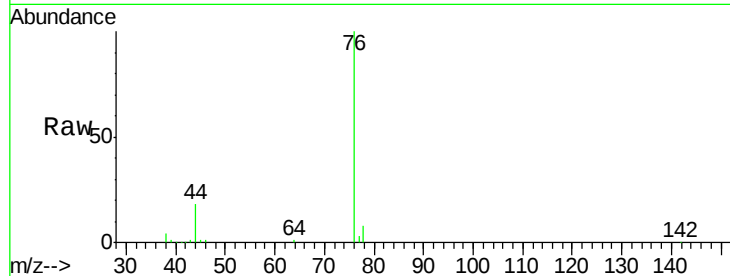
#17
Carbon Disulfide
Concen: 18.992 ug/l
RT: 4.01 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN064223.D
Acq: 21 Oct 2020 15:58

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.0	7.1	10.7

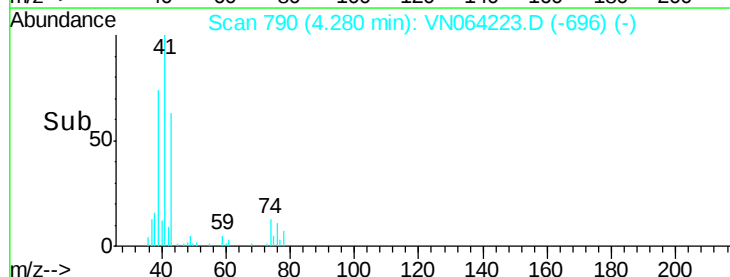
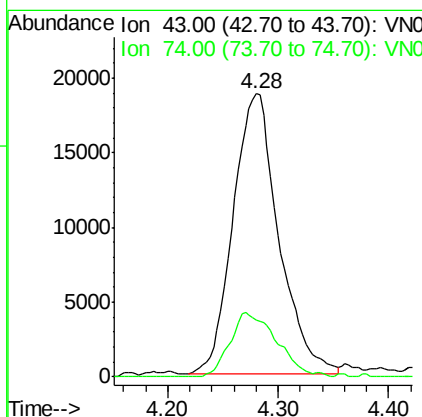
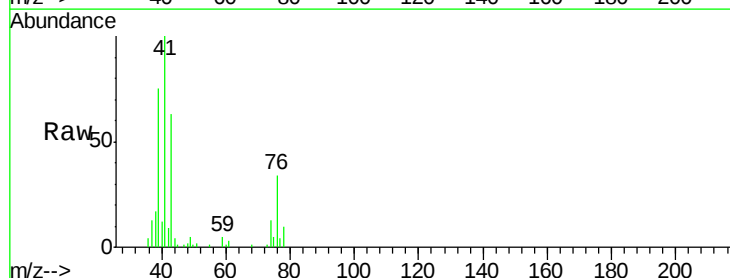
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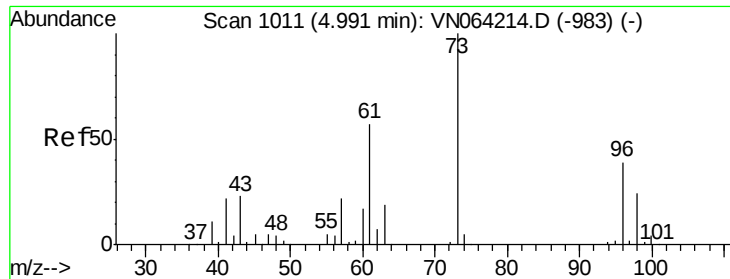
MMDadoda
10/23/2020 2:10:10 PM



#18
Methyl Acetate
Concen: 19.304 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN064223.D
Acq: 21 Oct 2020 15:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.2	17.9	26.9





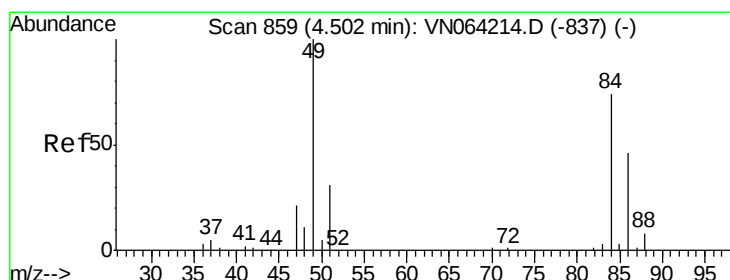
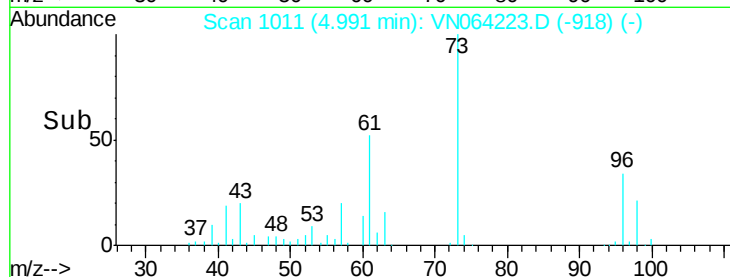
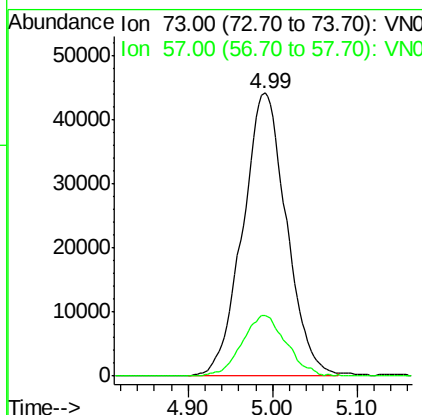
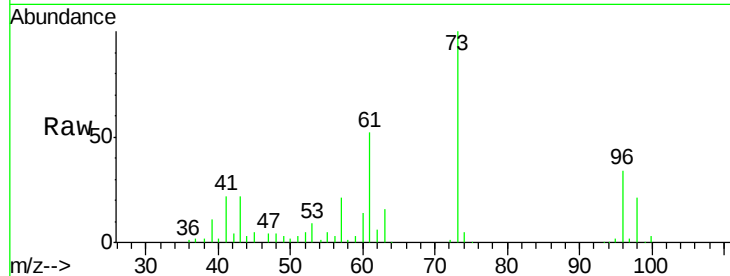
#19
Methvl tert-butvl Ether
Concen: 19.199 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VN064223.D
Acq: 21 Oct 2020 15:58

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tot Ion: 73 Resp: 159016
Ion Ratio Lower Upper
73 100
57 21.5 18.0 27.0

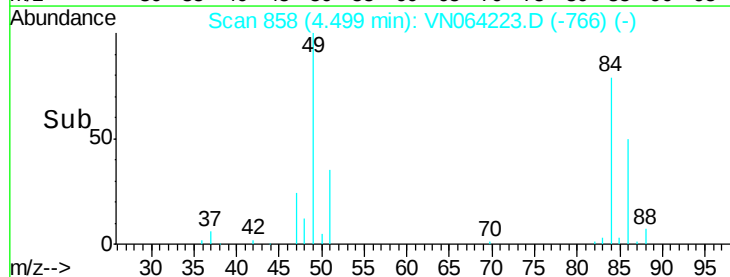
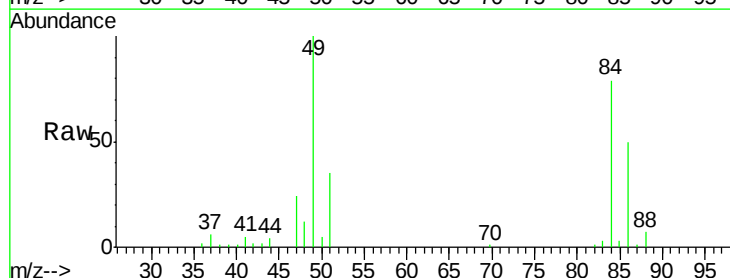
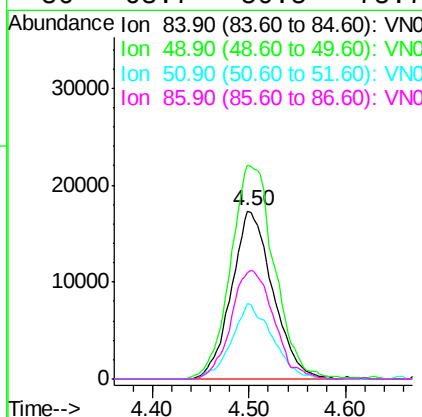
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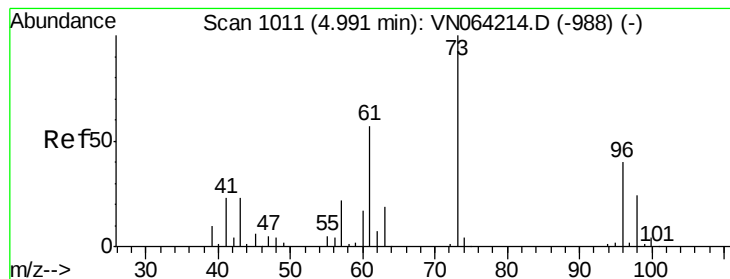
MMDadoda
10/23/2020 2:10:10 PM



#20
Methylene Chloride
Concen: 17.699 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.00 min
Lab File: VN064223.D
Acq: 21 Oct 2020 15:58

Tgt Ion: 84 Resp: 51550
Ion Ratio Lower Upper
84 100
49 126.3 108.5 162.7
51 44.6 33.8 50.8
86 63.7 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 18.541 ug/l

RT: 4.99 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VN064223.D

Acq: 21 Oct 2020 15:58

Instrument :

MSVOA_N

ClientSampleId :

VN1021WBSD01

Tot Ion: 96 Resp: 49258

Ion Ratio Lower Upper

96 100

61 153.8 115.8 173.6

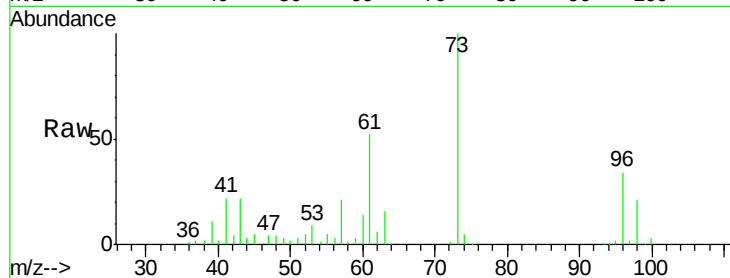
98 63.8 49.4 74.0

Manual Integrations

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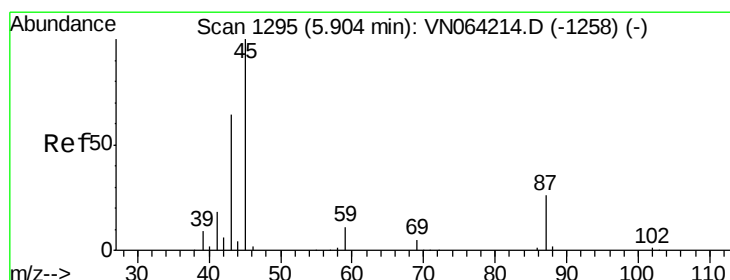
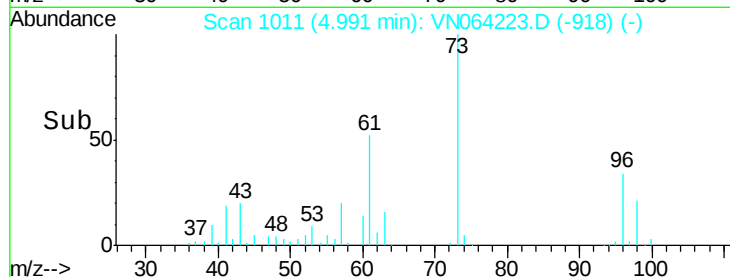
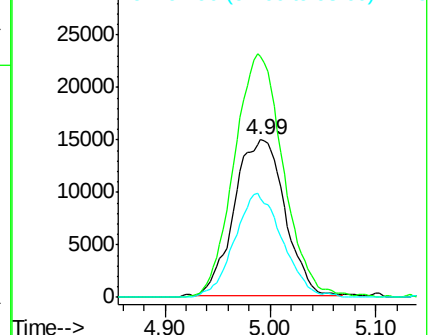


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 18.269 ug/l

RT: 5.90 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VN064223.D

Acq: 21 Oct 2020 15:58

Tgt Ion: 45 Resp: 163757

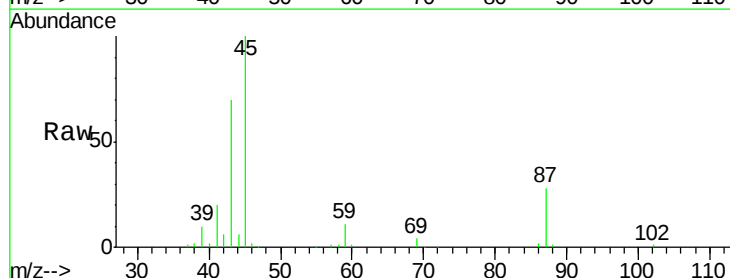
Ion Ratio Lower Upper

45 100

43 66.4 52.2 78.4

87 28.3 21.4 32.0

59 11.3 8.3 12.5



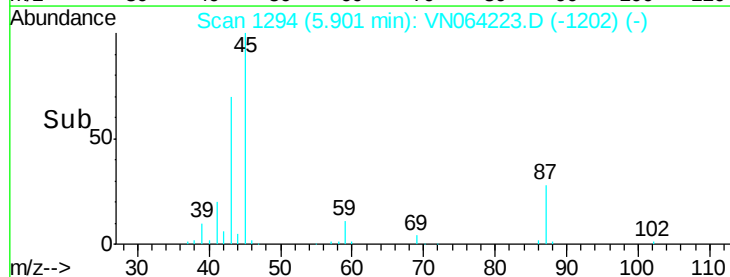
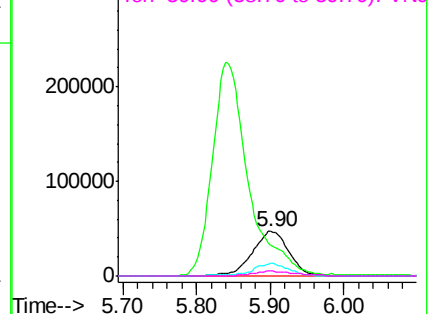
Abundance

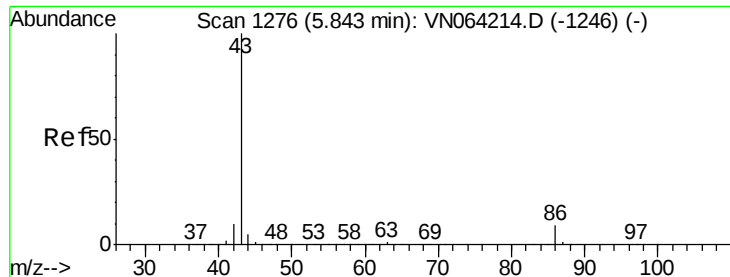
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





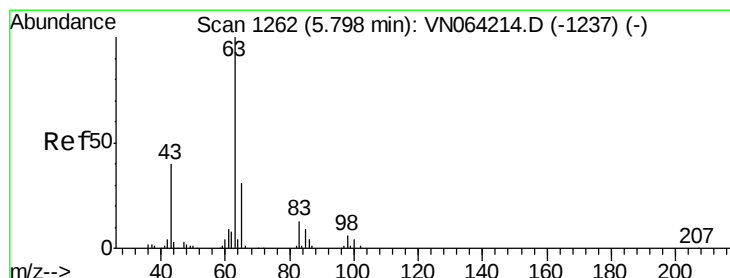
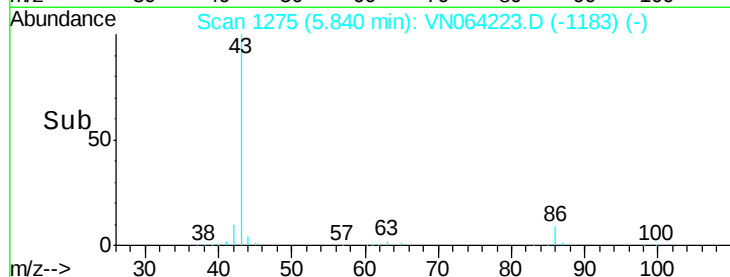
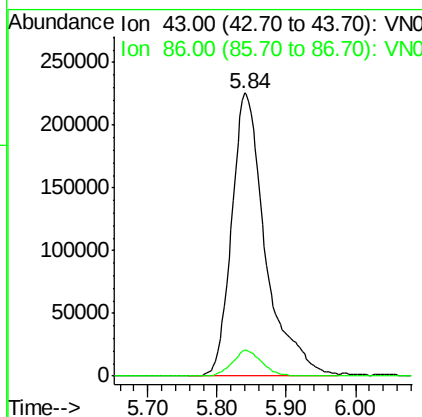
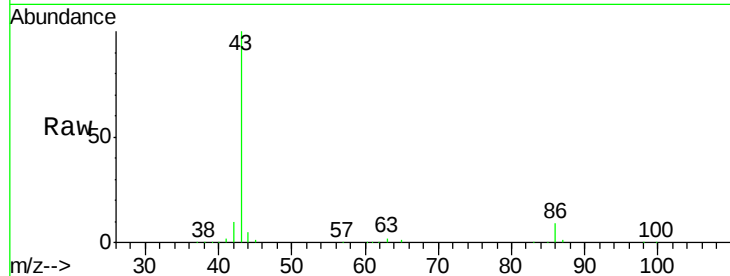
#23
 Vinyl Acetate
 Concen: 96.087 ug/l
 RT: 5.84 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: VN064223.D
 Acq: 21 Oct 2020 15:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021WBSD01

Tot Ion	43	Resp	768110
Ion Ratio	100	Lower	Upper
43	100		
86	9.0	7.4	11.0

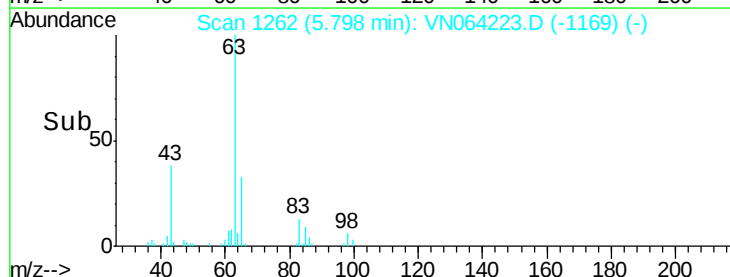
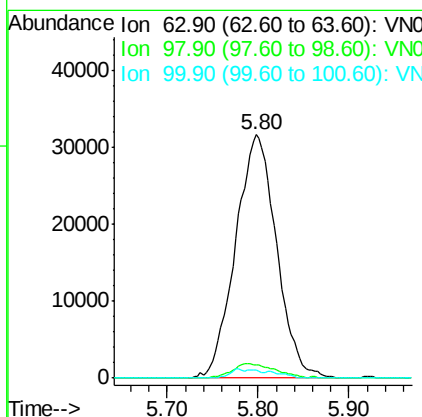
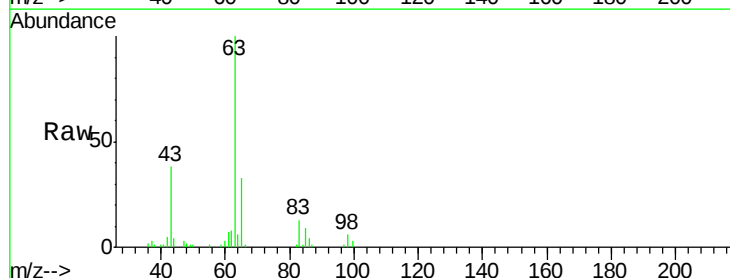
Manual Integrations
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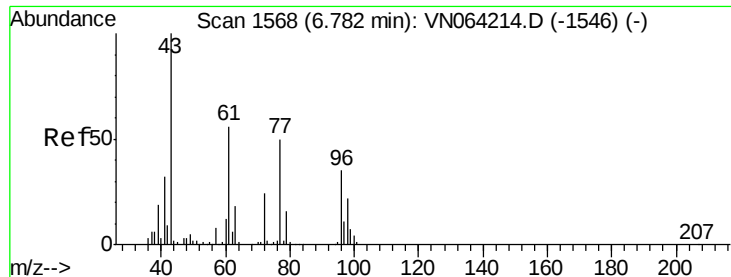
MMDadoda
 10/23/2020 2:10:10 PM



#24
 1,1-Dichloroethane
 Concen: 19.062 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VN064223.D
 Acq: 21 Oct 2020 15:58

Tgt Ion	63	Resp	98982
Ion Ratio	100	Lower	Upper
63	100		
98	5.6	2.9	8.7
100	3.3	2.0	6.0





#25

2-Butanone

Concen: 96.251 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN064223.D

Acq: 21 Oct 2020 15:58

Instrument :

MSVOA_N

ClientSampleId :

VN1021WBSD01

Tot Ion: 43 Resp: 167031

Ion Ratio Lower Upper

43 100

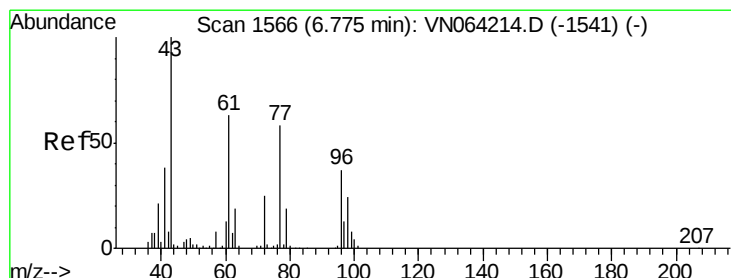
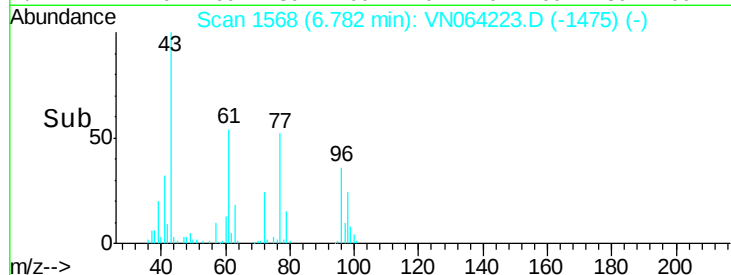
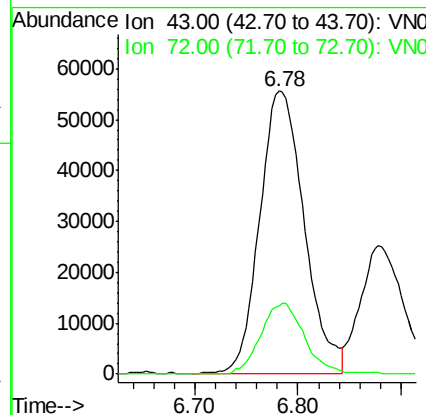
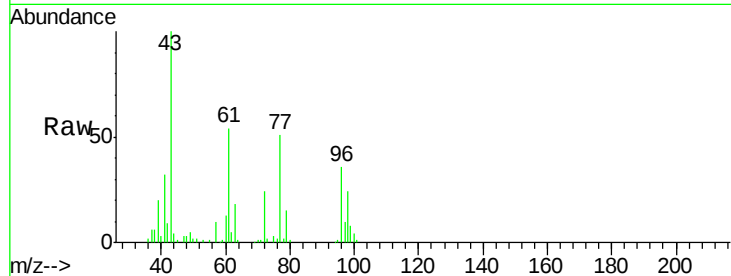
72 24.2 19.4 29.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.372 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN064223.D

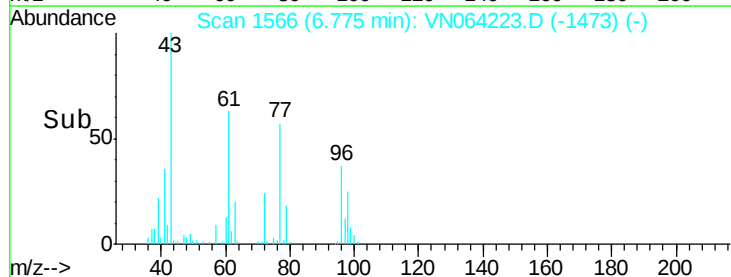
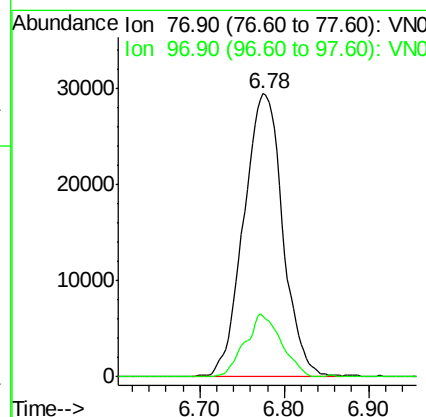
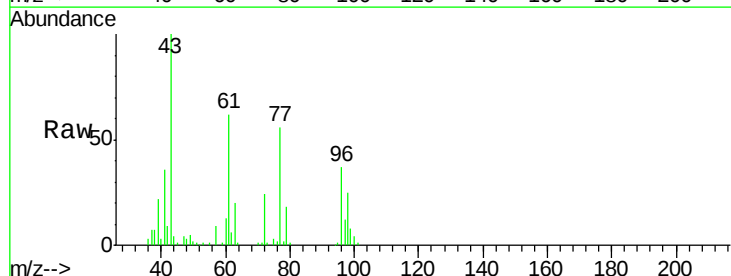
Acq: 21 Oct 2020 15:58

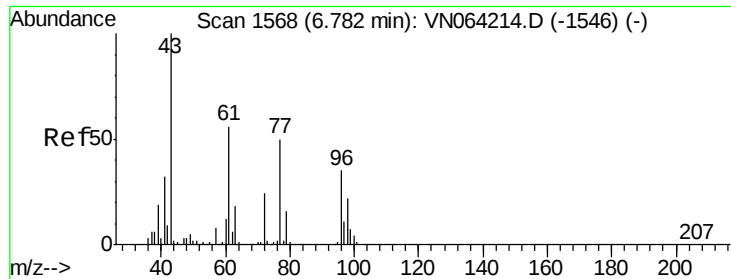
Tgt Ion: 77 Resp: 94976

Ion Ratio Lower Upper

77 100

97 20.6 10.4 31.4





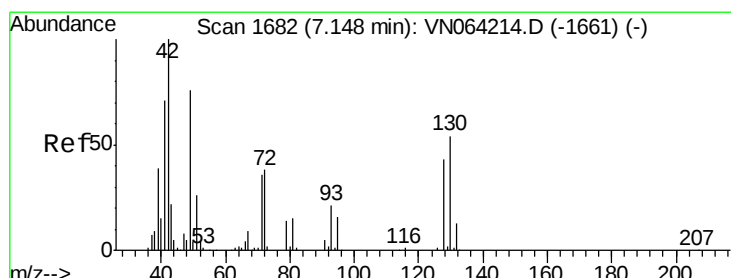
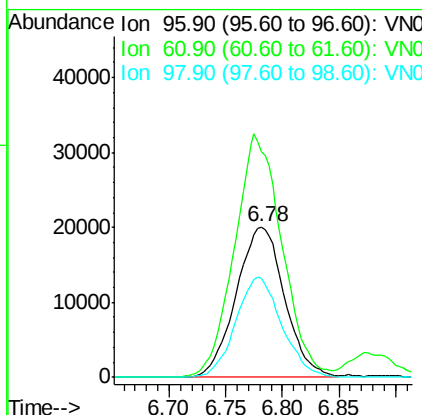
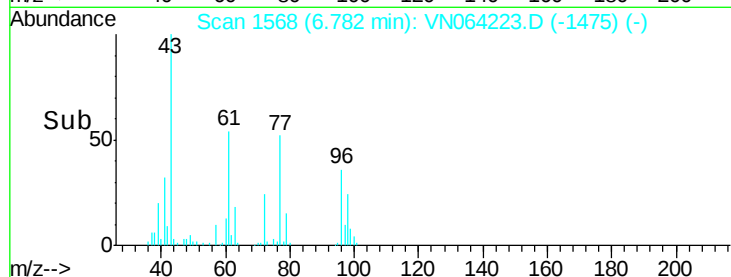
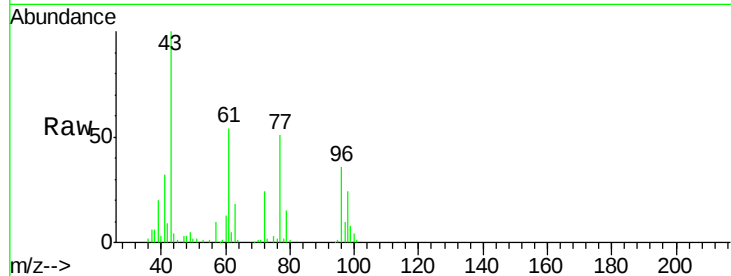
#27
 cis-1,2-Dichloroethene
 Concen: 19.288 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN064223.D
 Acq: 21 Oct 2020 15:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.7	0.0	330.0
98	63.1	0.0	130.6

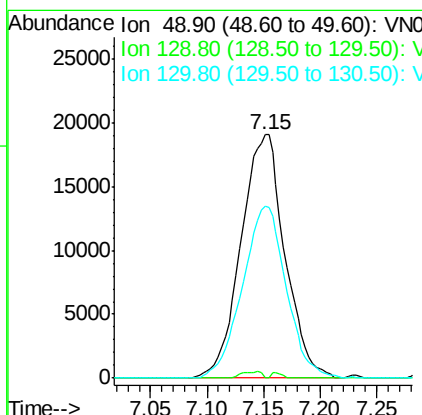
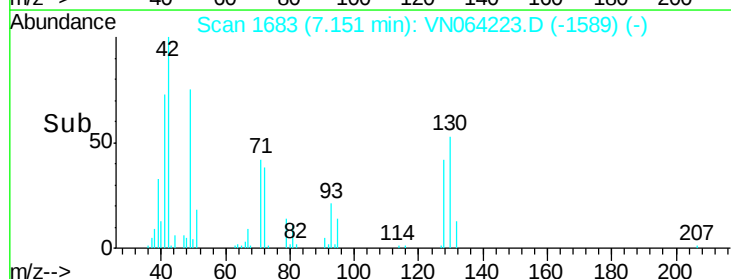
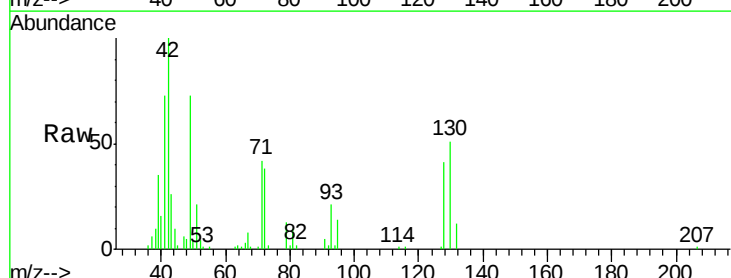
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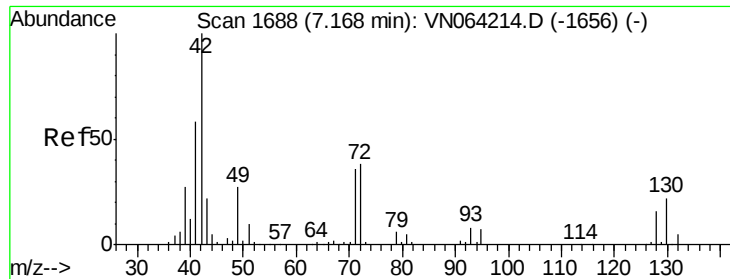
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#28
 Bromochloromethane
 Concen: 20.875 ug/l
 RT: 7.15 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: VN064223.D
 Acq: 21 Oct 2020 15:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	2.8
130	70.4	58.8	88.2





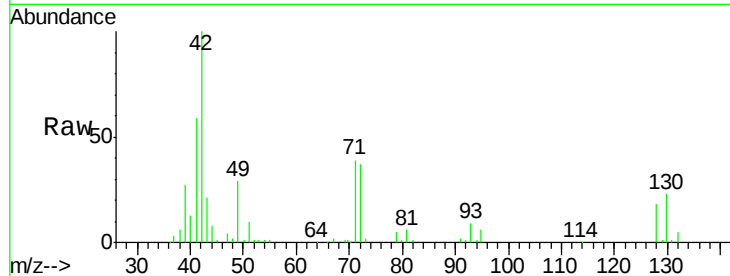
#29
Tetrahydrofuran
Concen: 98.053 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VN064223.D
Acq: 21 Oct 2020 15:58

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

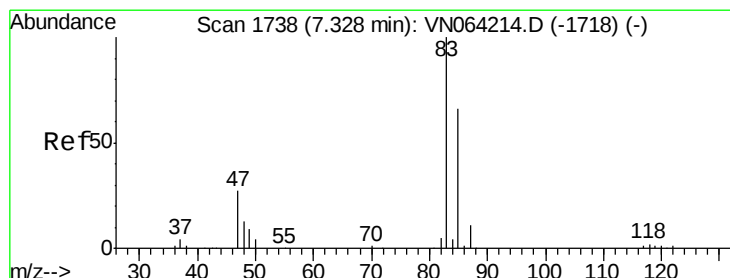
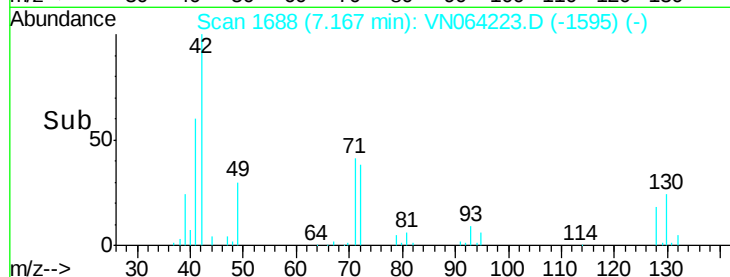
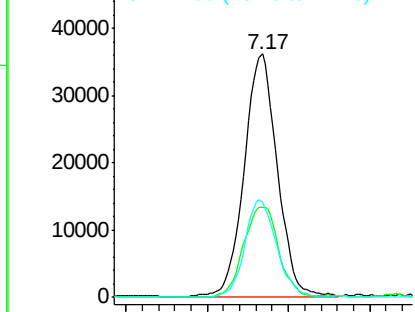
Tot Ion	Ratio	Lower	Upper
42	100		
72	39.5	30.8	46.2
71	38.3	29.0	43.6

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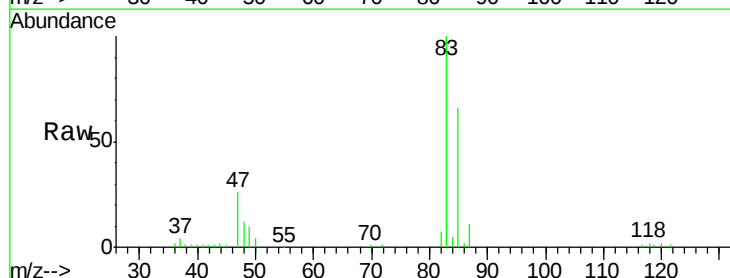


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

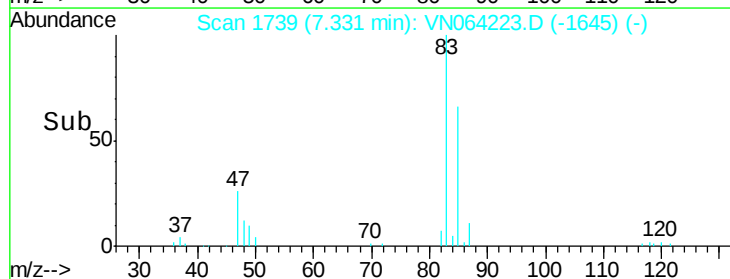
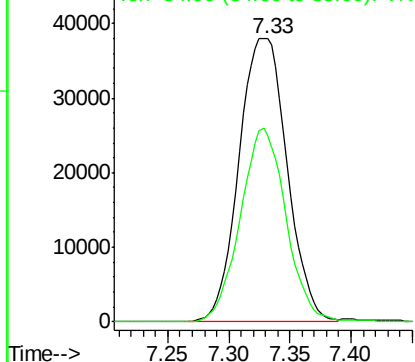


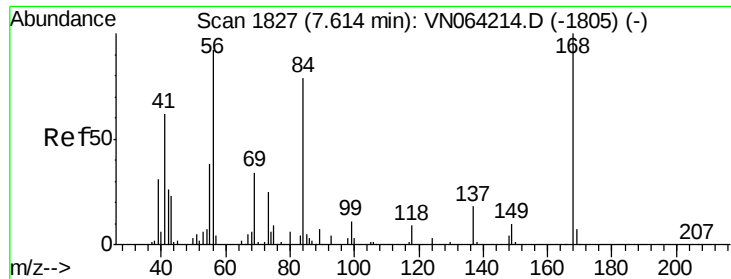
#30
Chloroform
Concen: 18.779 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN064223.D
Acq: 21 Oct 2020 15:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.5	78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 17.915 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN064223.D

Acq: 21 Oct 2020 15:58

Instrument :

MSVOA_N

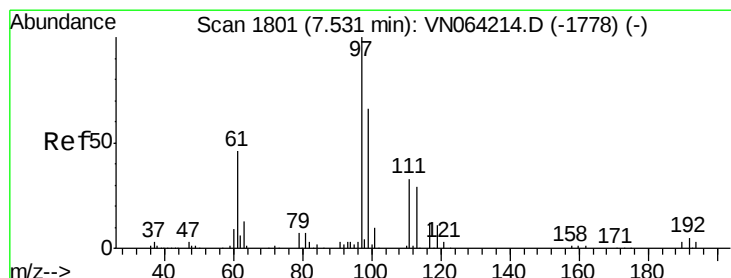
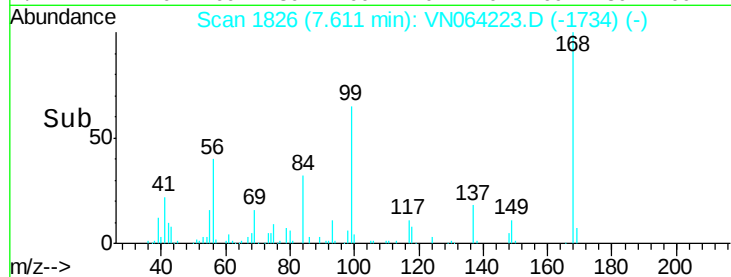
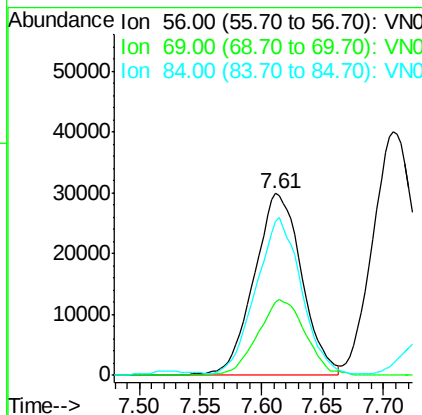
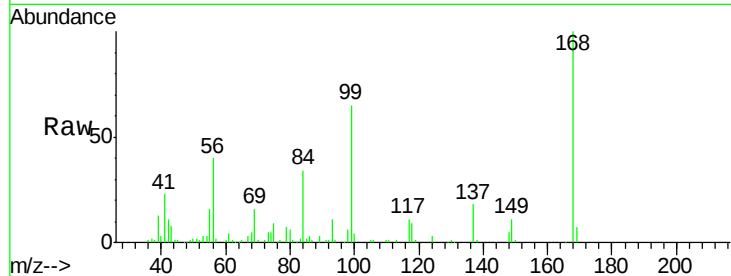
ClientSampleId :

VN1021WBSD01

Tot Ion:	56	Resp:	81073
Ion	Ratio	Lower	Upper
56	100		
69	40.6	29.8	44.6
84	83.2	68.1	102.1

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#32

1,1,1-Trichloroethane

Concen: 18.504 ug/l

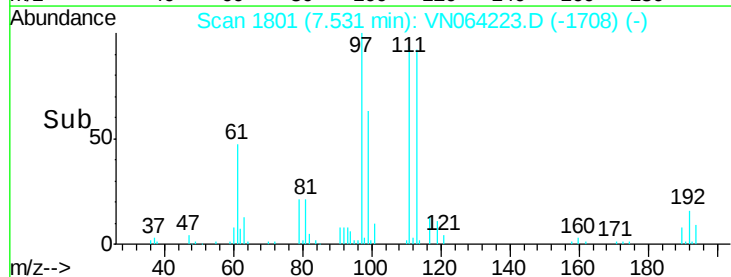
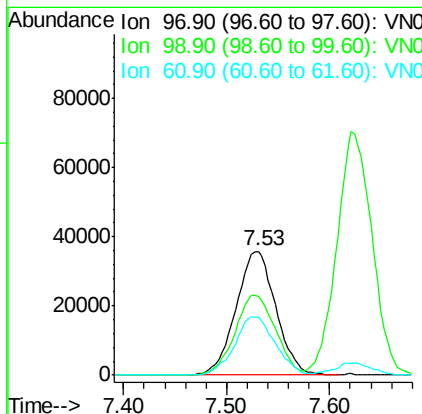
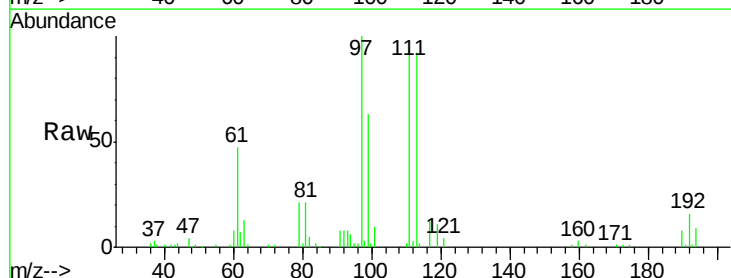
RT: 7.53 min Scan# 1801

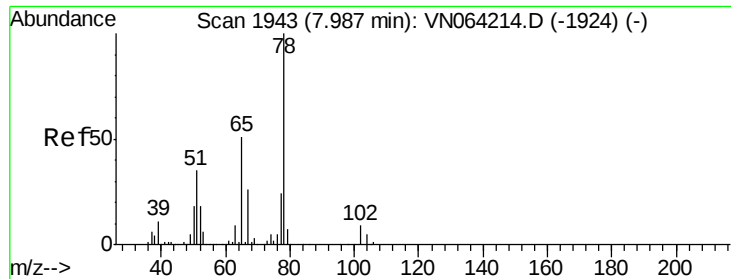
Delta R.T. -0.00 min

Lab File: VN064223.D

Acq: 21 Oct 2020 15:58

Tgt Ion:	97	Resp:	96016
Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.2	76.8
61	48.0	36.3	54.5





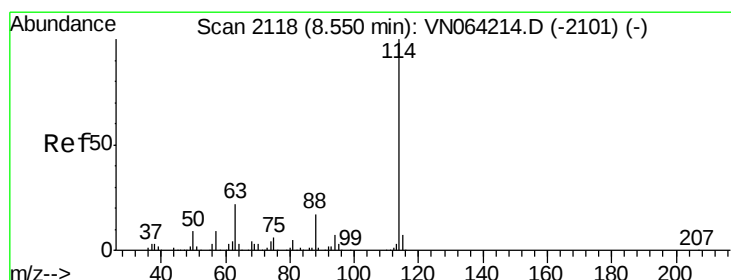
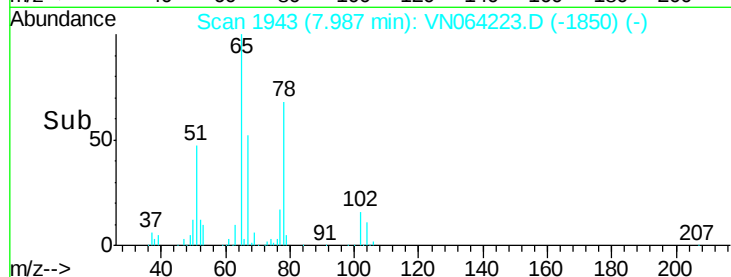
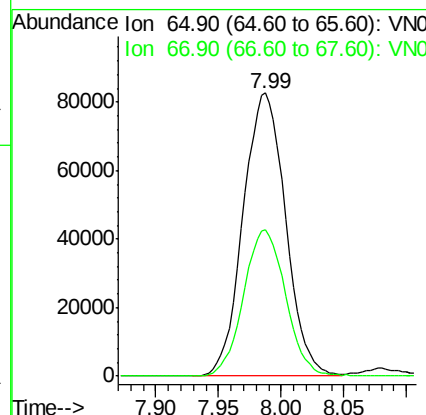
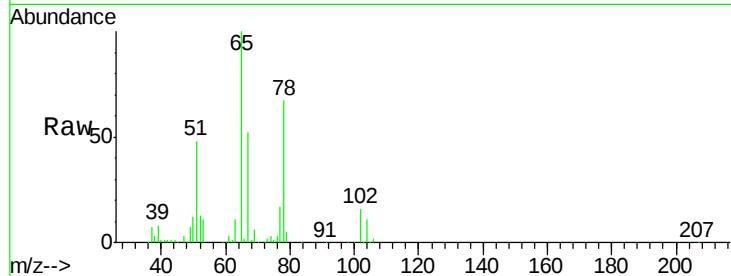
#33
 1,2-Dichloroethane-d4
 Concen: 50.995 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064223.D
 Acq: 21 Oct 2020 15:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	100.2

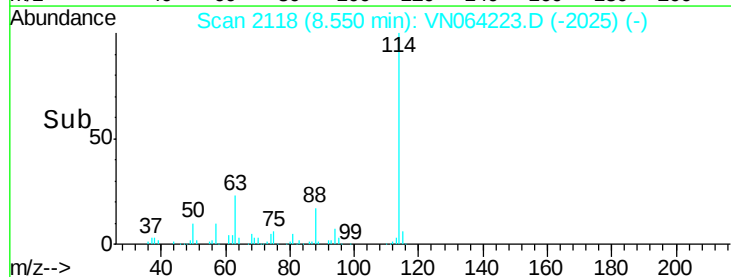
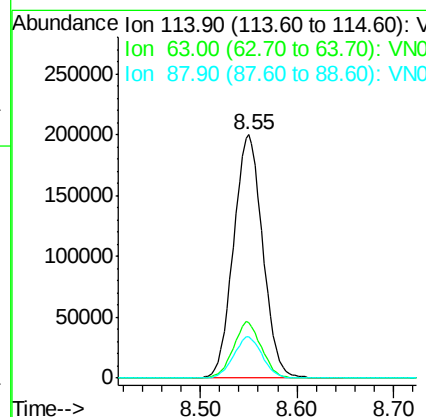
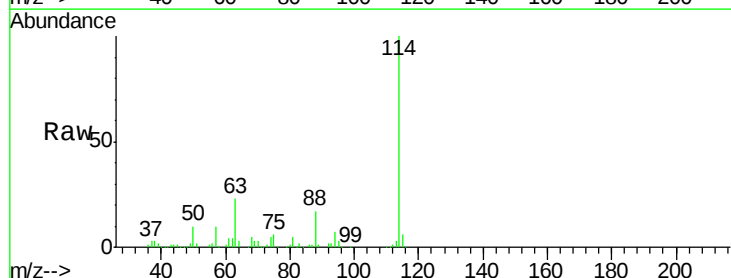
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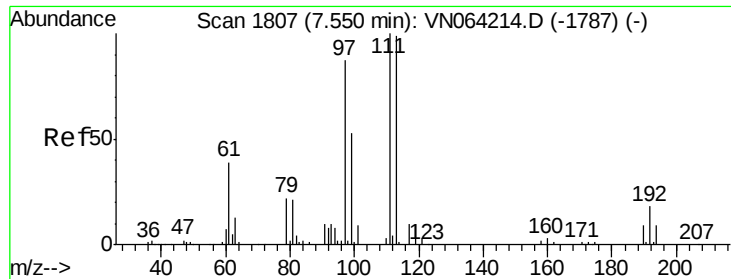
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064223.D
 Acq: 21 Oct 2020 15:58

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	44.0
88	17.0	0.0	34.2





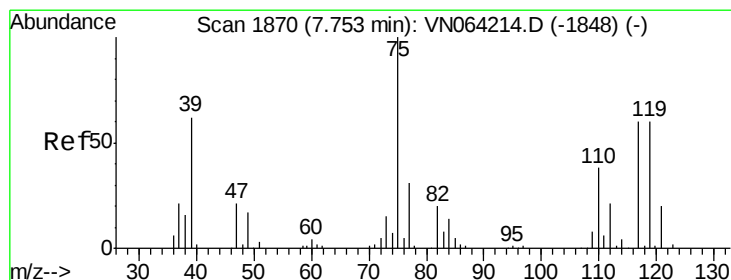
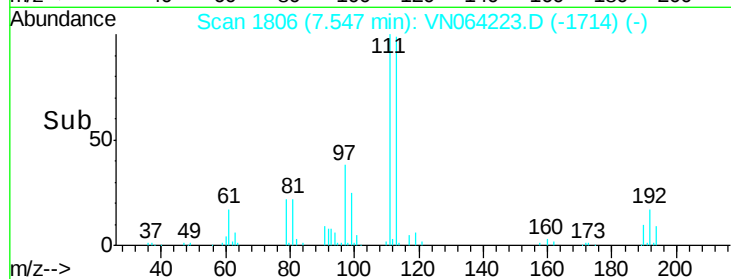
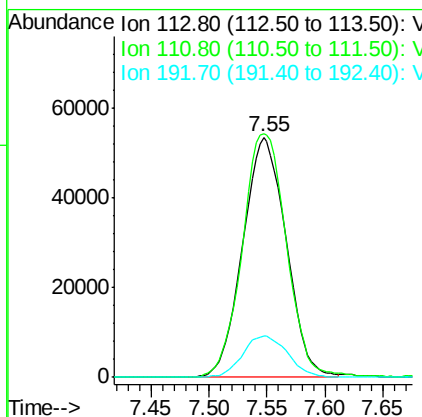
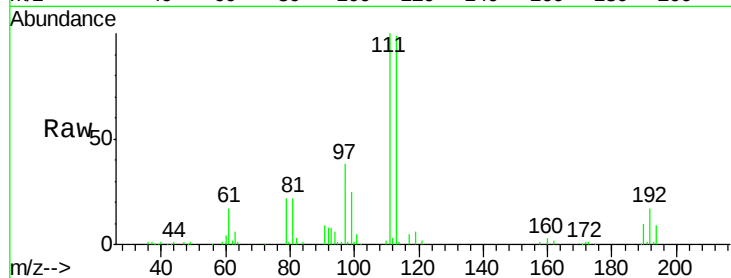
#35
Dibromofluoromethane
Concen: 49.941 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN064223.D
Acq: 21 Oct 2020 15:58

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	138935		
111	103.7	84.2	126.2	
192	17.9	15.2	22.8	

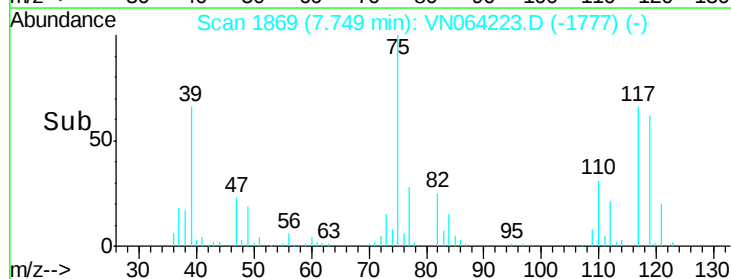
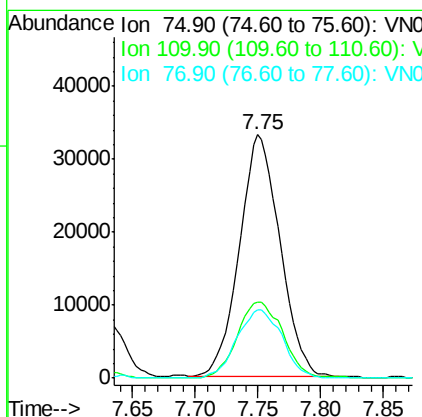
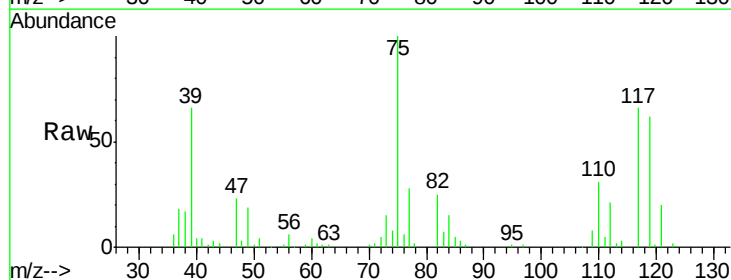
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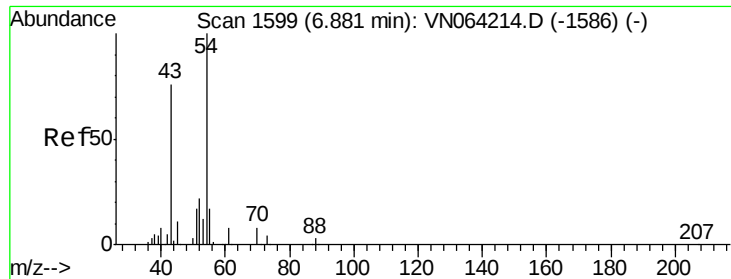
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#36
1,1-Dichloropropene
Concen: 17.857 ug/l
RT: 7.75 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VN064223.D
Acq: 21 Oct 2020 15:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	74490		
110	35.5	17.2	51.6	
77	31.4	24.9	37.3	





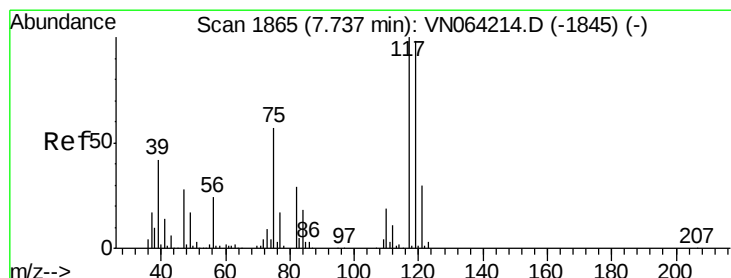
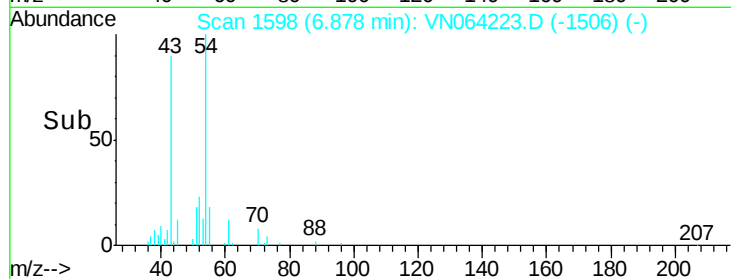
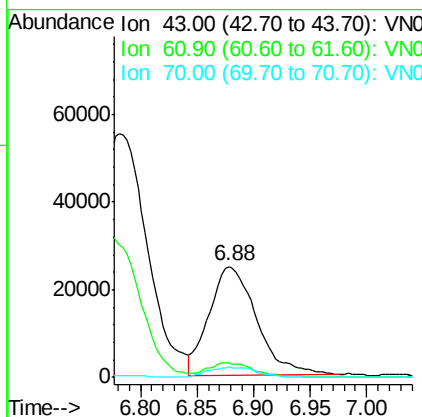
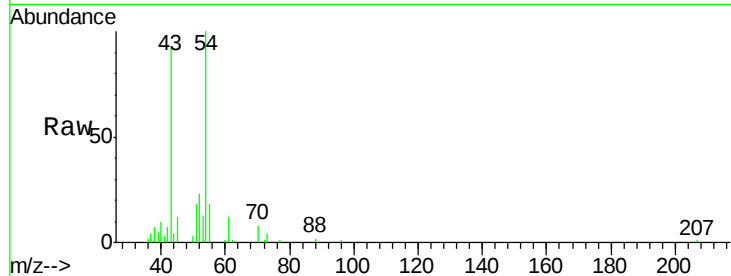
#37
Ethyl Acetate
Concen: 19.273 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN064223.D
Acq: 21 Oct 2020 15:58

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tot Ion	43	61	70
Resp	72999		
Ratio	100	13.3	9.4
Lower		10.0	7.5
Upper		15.0	11.3

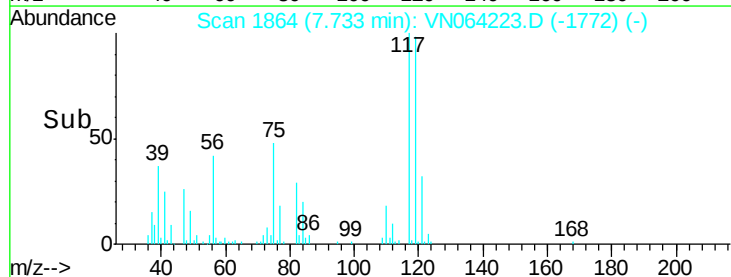
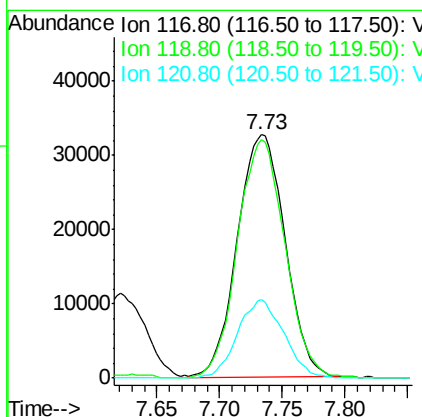
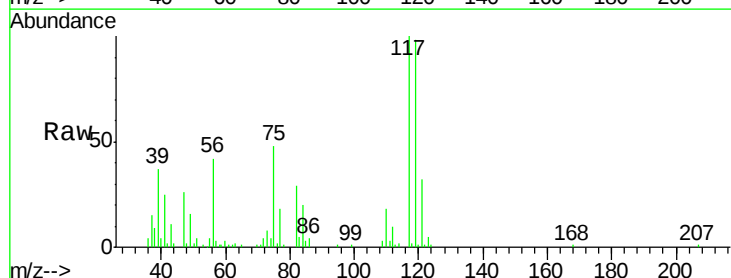
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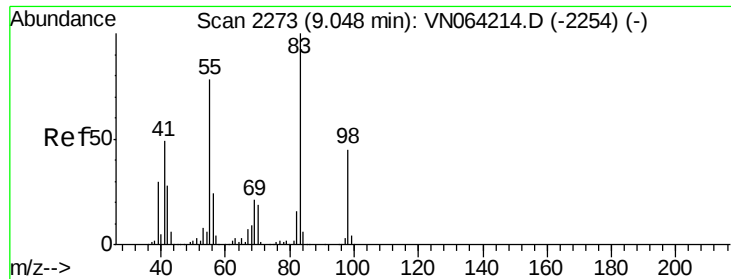
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#38
Carbon Tetrachloride
Concen: 18.205 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064223.D
Acq: 21 Oct 2020 15:58

Tgt Ion	117	119	121
Resp	86408		
Ratio	100	98.3	32.7
Lower		78.5	24.3
Upper		117.7	36.5





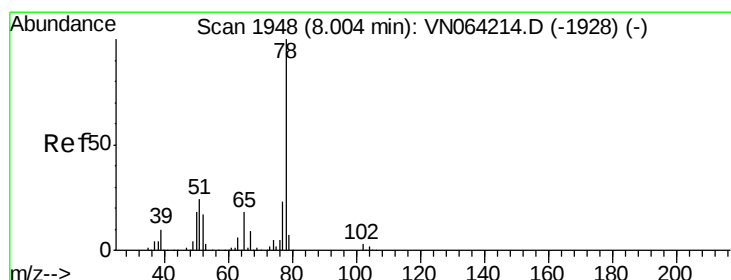
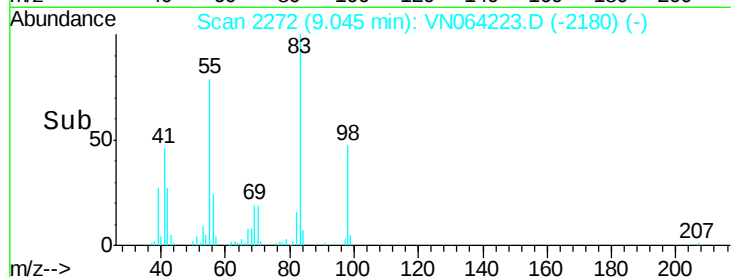
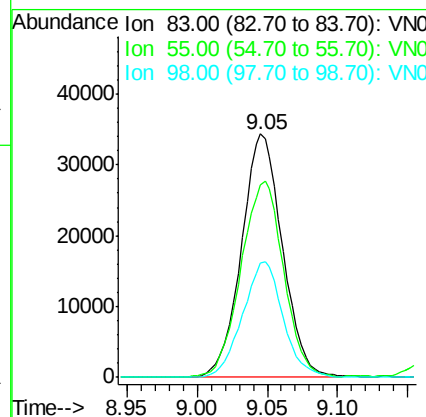
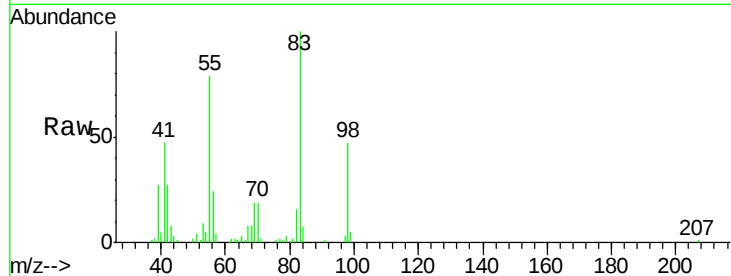
#39
Methvlcvclohexane
Concen: 18.371 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064223.D
Acq: 21 Oct 2020 15:58

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.0	62.2	93.2
98	46.8	35.9	53.9

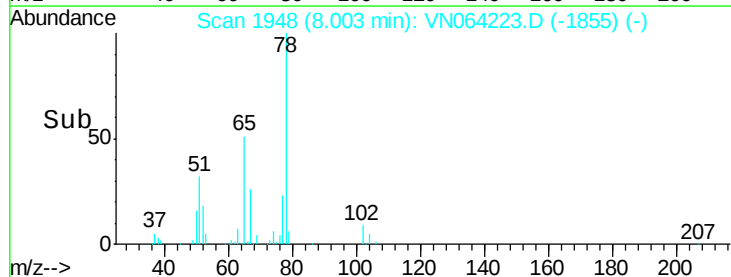
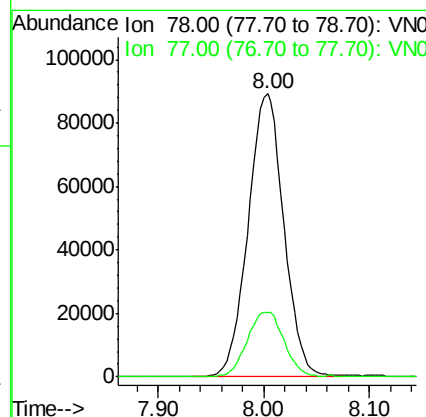
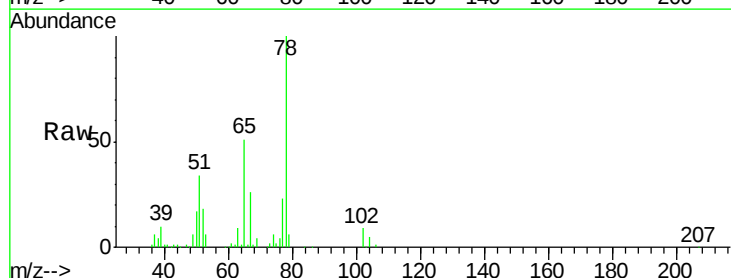
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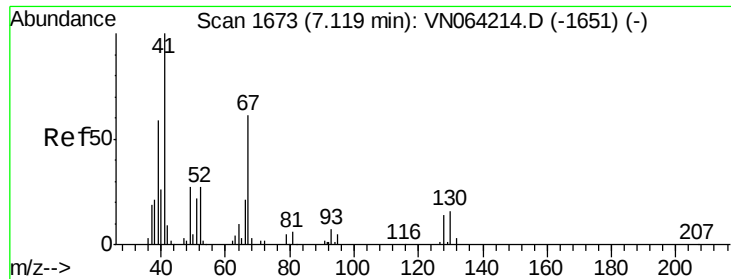
MMDadoda
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#40
Benzene
Concen: 18.272 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064223.D
Acq: 21 Oct 2020 15:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.3	27.5





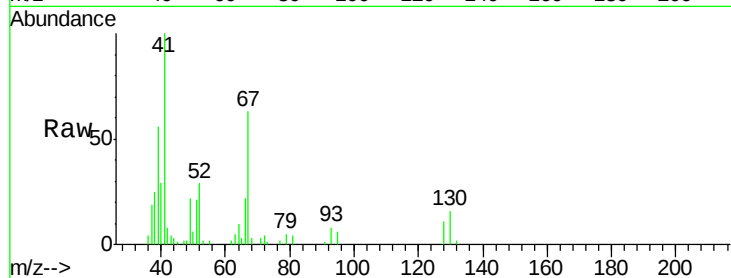
#41
Methacrylonitrile
Concen: 17.105 ug/l m
RT: 7.12 min Scan# 1672
Delta R.T. -0.00 min
Lab File: VN064223.D
Acq: 21 Oct 2020 15:58

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tot Ion	41	Resp	33985
Ion	Ratio	Lower	Upper
41	100		
39	65.5	50.5	75.7
67	77.9	63.2	94.8
52	35.7	29.3	43.9

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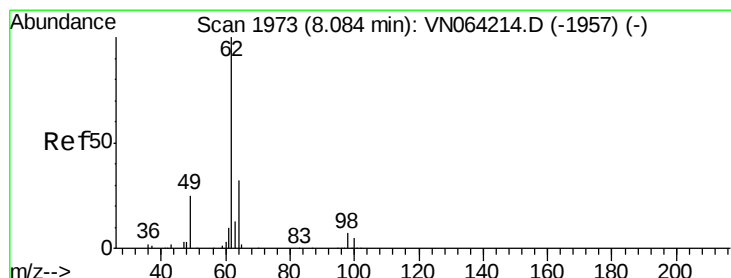
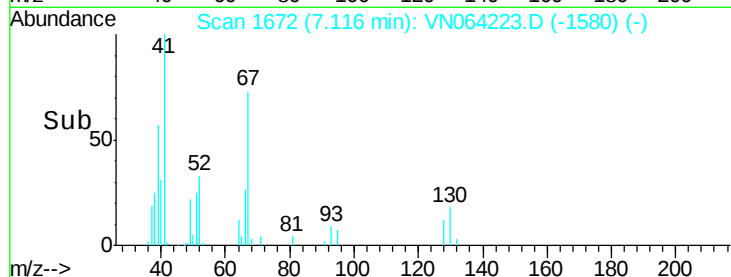
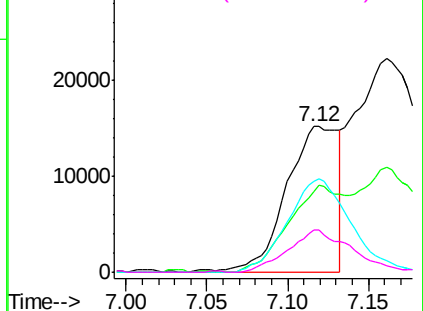


Abundance Ion 41.00 (40.70 to 41.70): VN064223.D (-1580) (-)

Ion 39.00 (38.70 to 39.70): VN064223.D (-1580) (-)

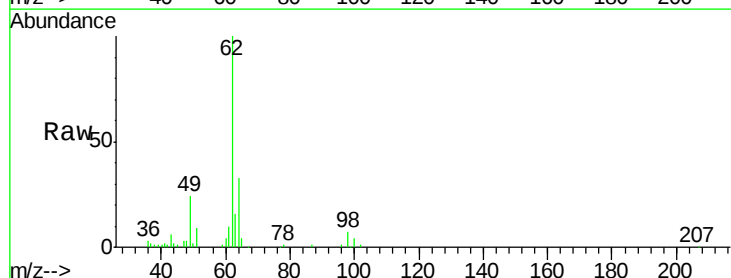
Ion 67.00 (66.70 to 67.70): VN064223.D (-1580) (-)

Ion 52.00 (51.70 to 52.70): VN064223.D (-1580) (-)



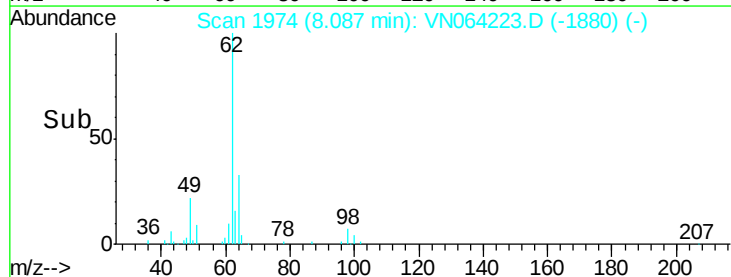
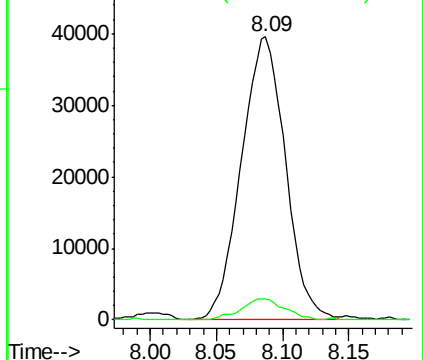
#42
1,2-Dichloroethane
Concen: 18.561 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064223.D
Acq: 21 Oct 2020 15:58

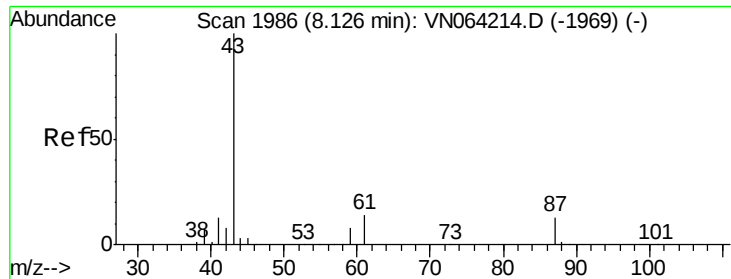
Tgt Ion	62	Resp	91564
Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	15.0



Abundance Ion 61.90 (61.60 to 62.60): VN064223.D (-1880) (-)

Ion 97.90 (97.60 to 98.60): VN064223.D (-1880) (-)





#43

Isopropyl Acetate

Concen: 20.317 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064223.D

Acq: 21 Oct 2020 15:58

Instrument :

MSVOA_N

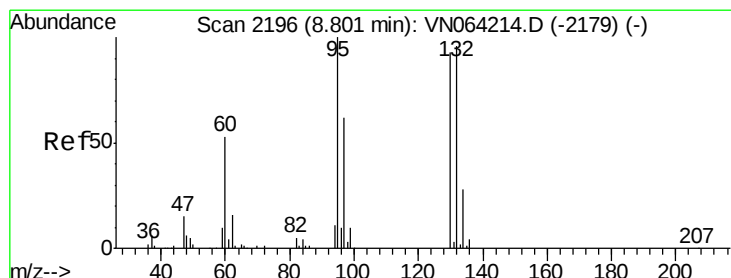
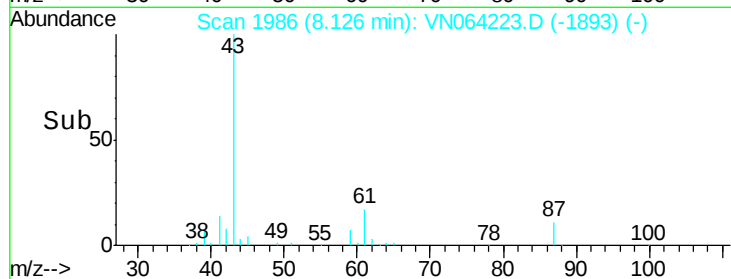
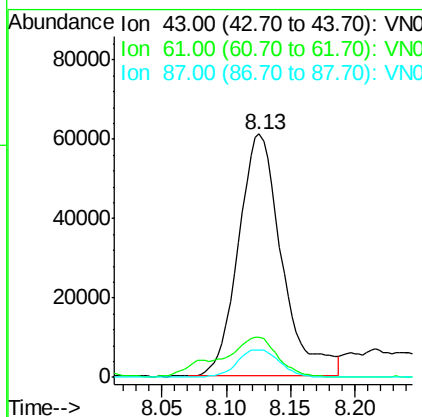
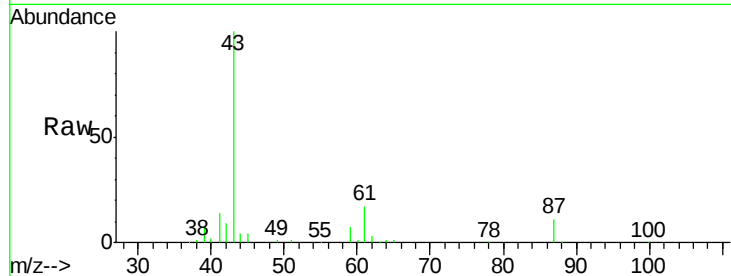
ClientSampleId :

VN1021WBSD01

Tot Ion:	43	Resp:	143414
Ion	Ratio	Lower	Upper
43	100		
61	16.3	19.6	29.4#
87	11.2	9.8	14.6

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#44

Trichloroethene

Concen: 18.934 ug/l

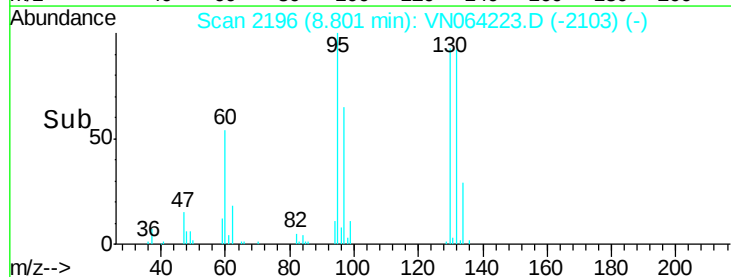
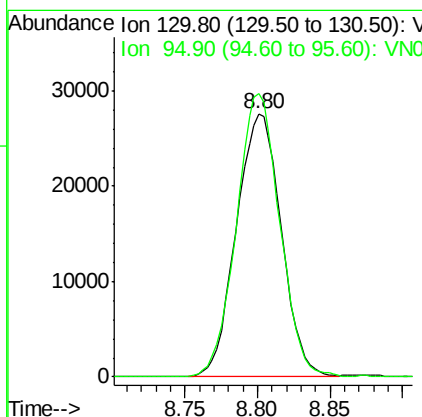
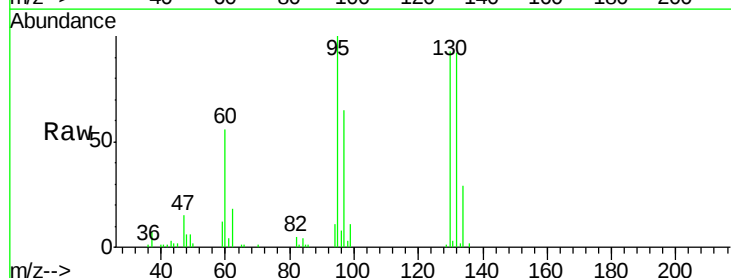
RT: 8.80 min Scan# 2196

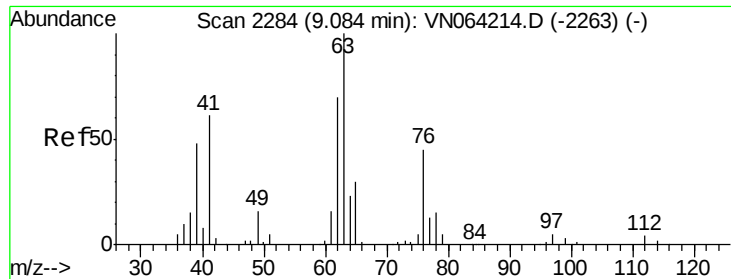
Delta R.T. -0.00 min

Lab File: VN064223.D

Acq: 21 Oct 2020 15:58

Tgt Ion:	130	Resp:	59414
Ion	Ratio	Lower	Upper
130	100		
95	107.6	0.0	214.0





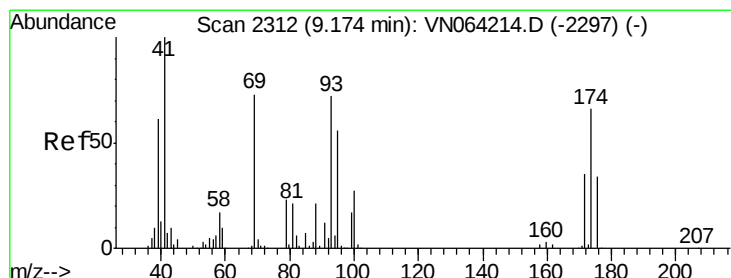
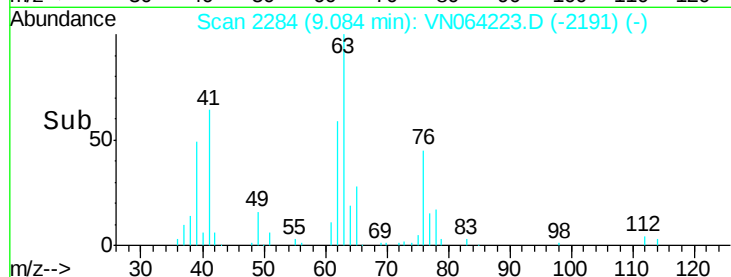
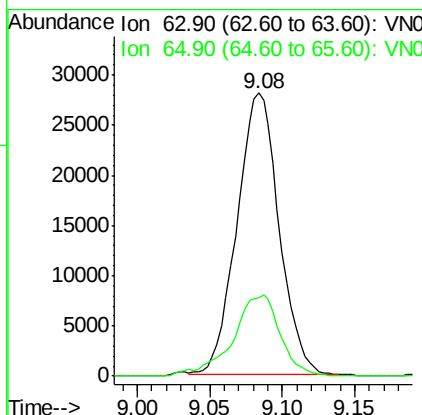
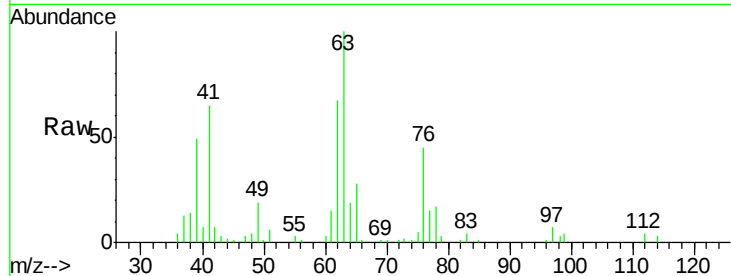
#45
 1,2-Dichloropropane
 Concen: 18.311 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064223.D
 Acq: 21 Oct 2020 15:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021WBSD01

Tot Ion: 63 Resp: 56291
 Ion Ratio Lower Upper
 63 100
 65 28.1 24.0 36.0

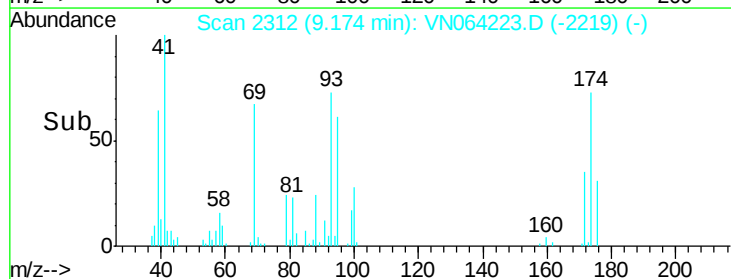
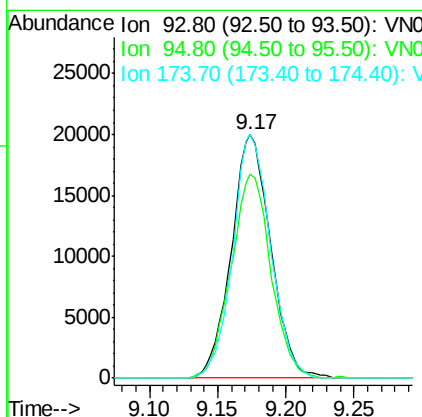
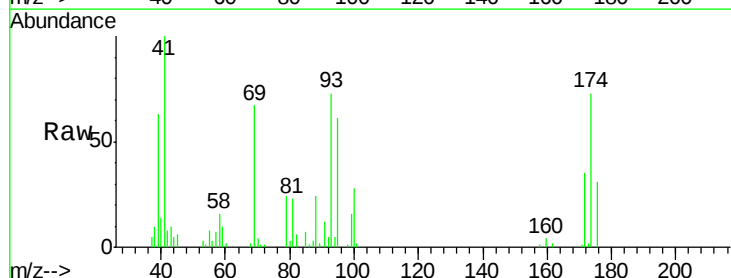
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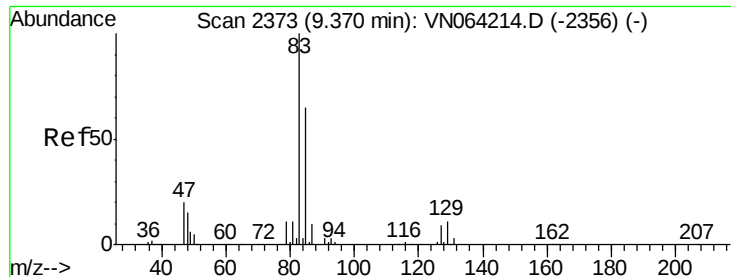
MMDadoda
 10/23/2020 2:10:10 PM



#46
 Dibromomethane
 Concen: 19.393 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN064223.D
 Acq: 21 Oct 2020 15:58

Tgt Ion: 93 Resp: 40031
 Ion Ratio Lower Upper
 93 100
 95 84.7 63.0 94.4
 174 96.1 72.9 109.3





#47

Bromodichloromethane

Concen: 18.975 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN064223.D

Acq: 21 Oct 2020 15:58

Instrument :

MSVOA_N

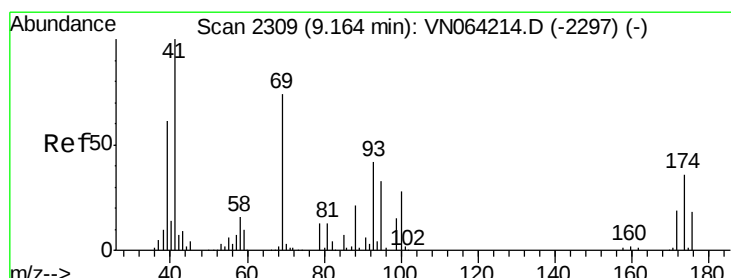
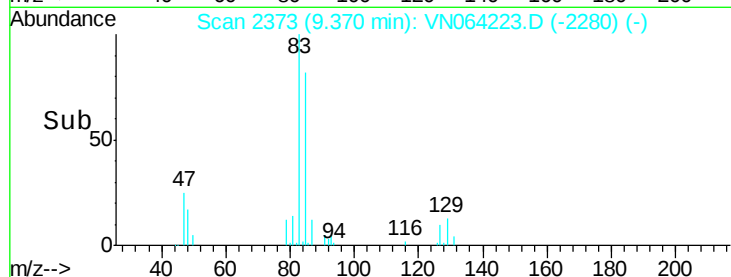
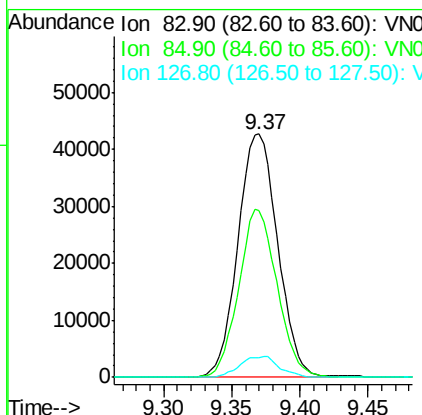
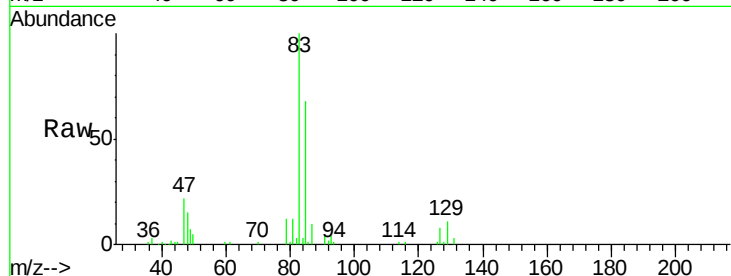
ClientSampleId :

VN1021WBSD01

Tot Ion:	83	Resp:	86534
Ion	Ratio	Lower	Upper
83	100		
85	68.4	51.8	77.8
127	8.3	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.293 ug/l

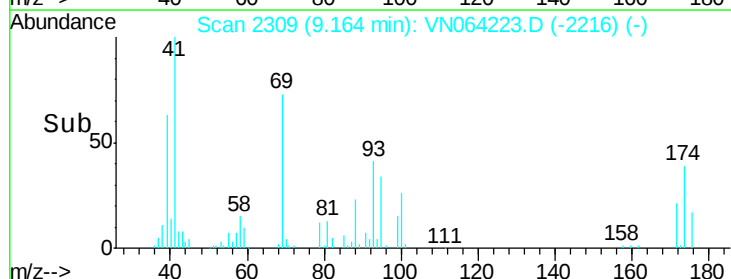
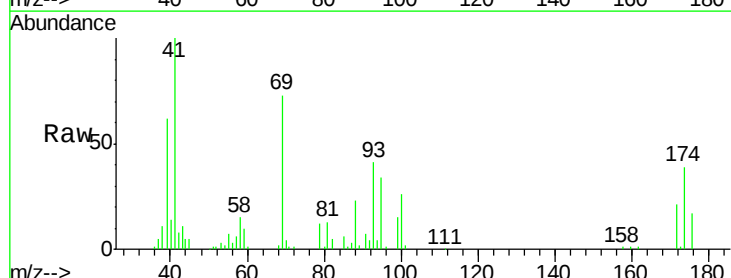
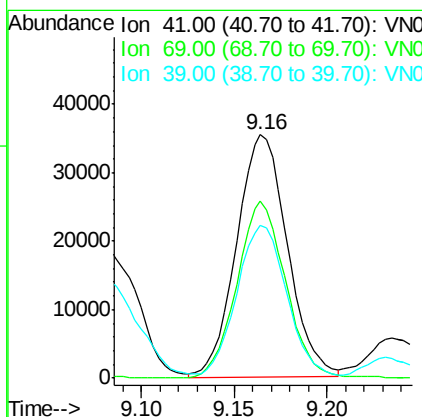
RT: 9.16 min Scan# 2309

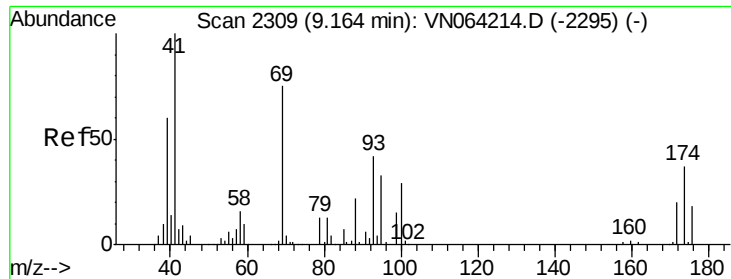
Delta R.T. -0.00 min

Lab File: VN064223.D

Acq: 21 Oct 2020 15:58

Tgt Ion:	41	Resp:	67452
Ion	Ratio	Lower	Upper
41	100		
69	69.5	57.3	85.9
39	62.5	48.6	73.0





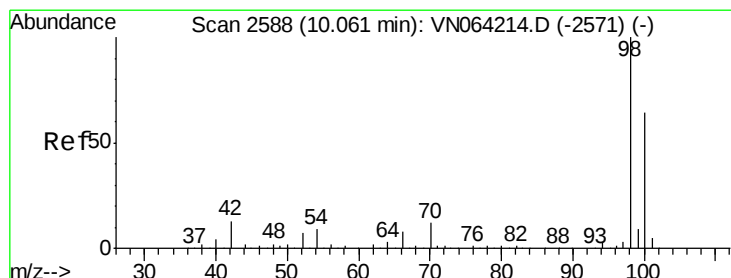
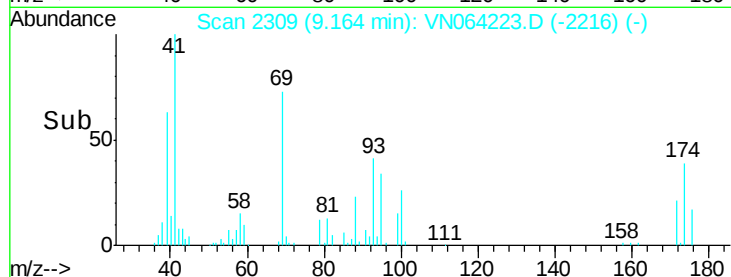
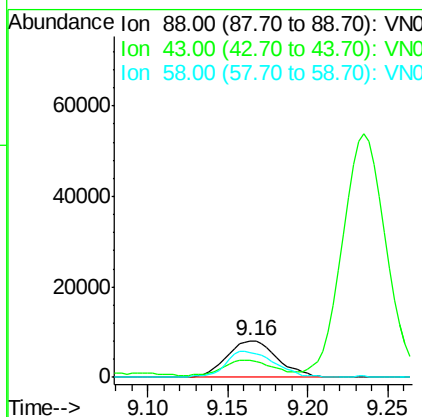
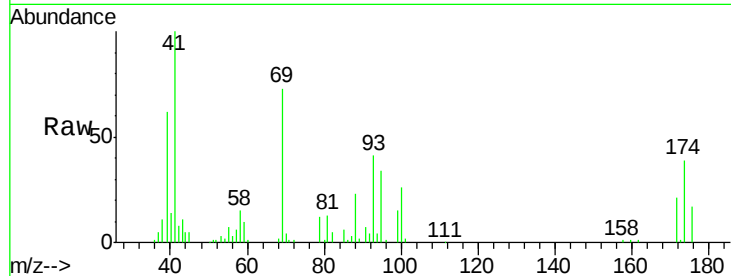
#49
1,4-Dioxane
Concen: 404.972 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064223.D
Acq: 21 Oct 2020 15:58

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tot Ion	88	Resp	17472
Ion Ratio	Lower	Upper	
88	100		
43	40.6	34.6	52.0
58	68.5	59.0	88.6

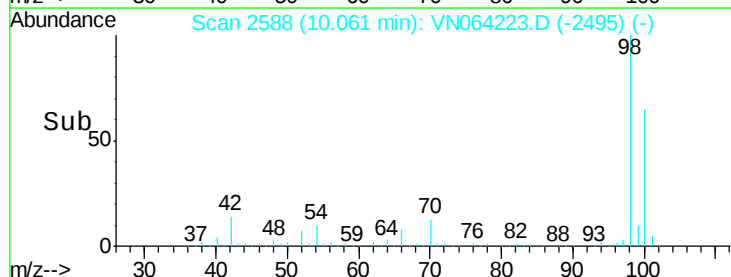
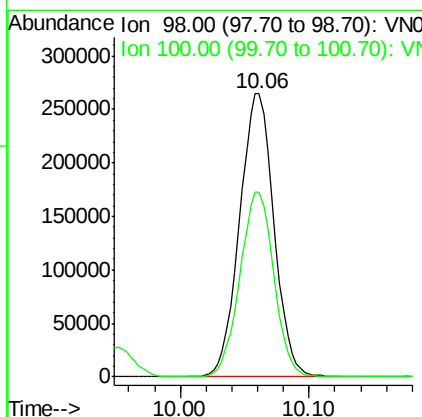
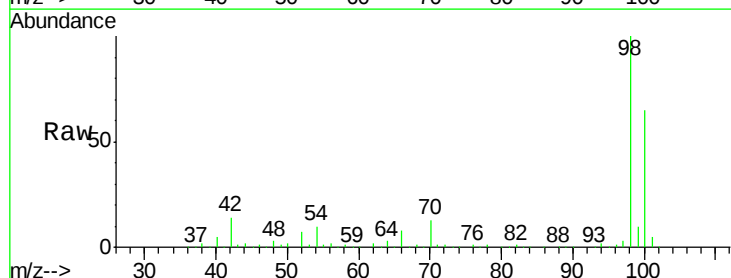
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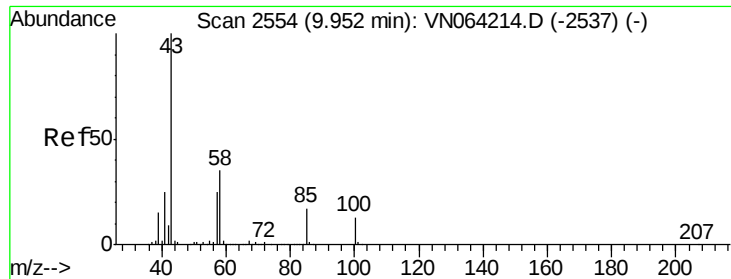
MMDadoda
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#50
Toluene-d8
Concen: 48.594 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. -0.00 min
Lab File: VN064223.D
Acq: 21 Oct 2020 15:58

Tgt Ion	98	Resp	490392
Ion Ratio	Lower	Upper	
98	100		
100	64.6	50.8	76.2





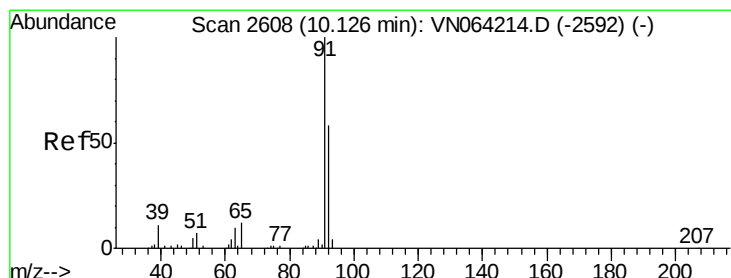
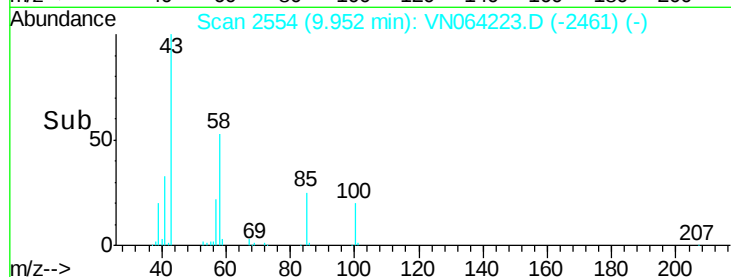
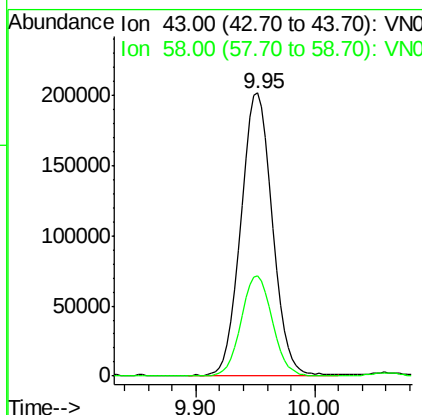
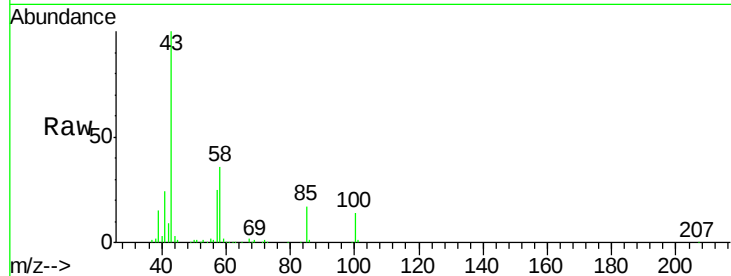
#51
 4-Methyl-2-Pentanone
 Concen: 97.336 ug/l
 RT: 9.95 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN064223.D
 Acq: 21 Oct 2020 15:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.3	28.6	42.8

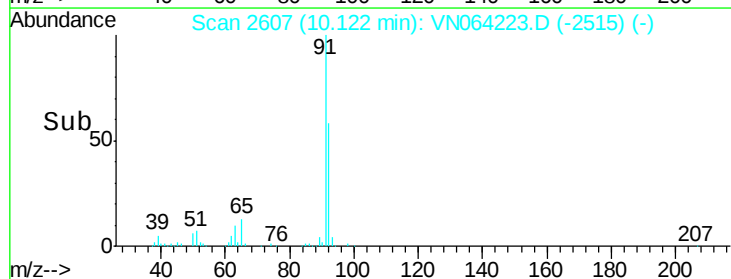
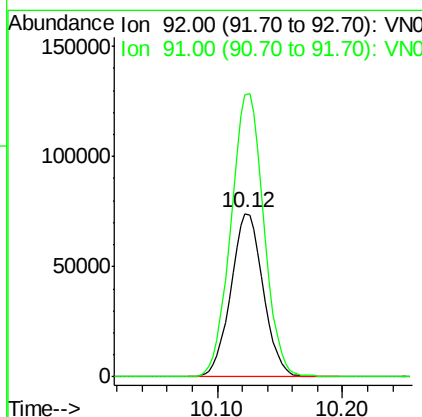
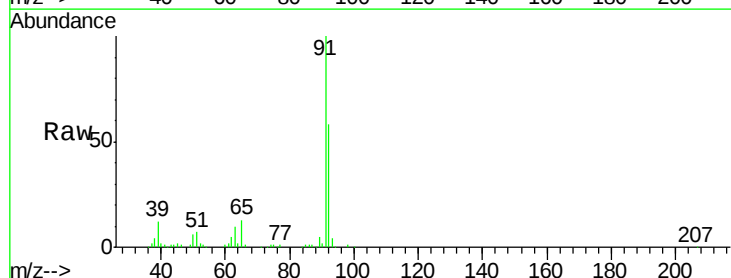
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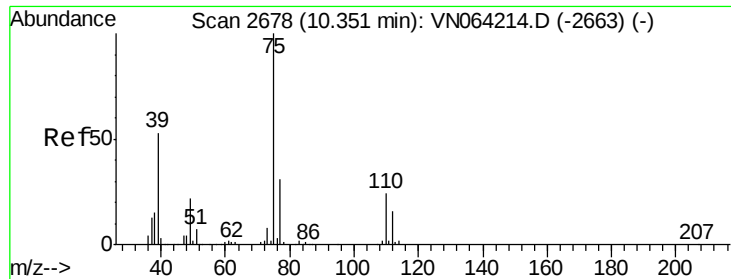
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#52
 Toluene
 Concen: 17.994 ug/l
 RT: 10.12 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN064223.D
 Acq: 21 Oct 2020 15:58

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.2	137.4	206.2





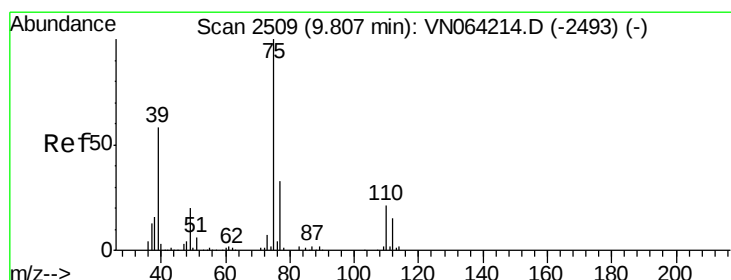
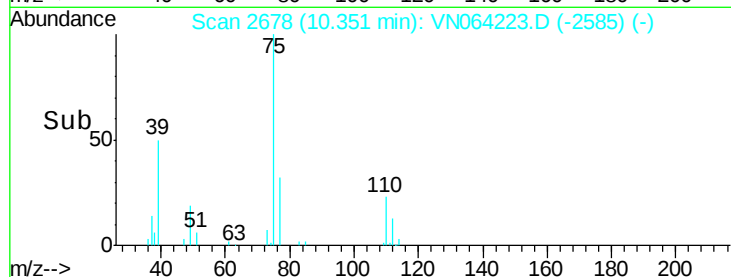
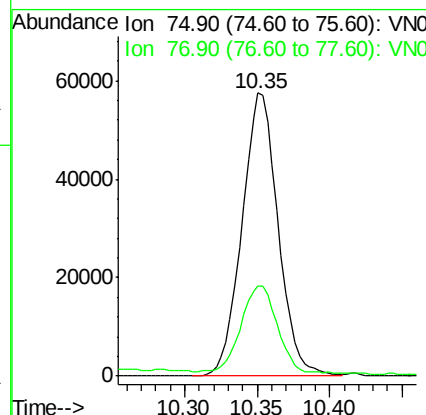
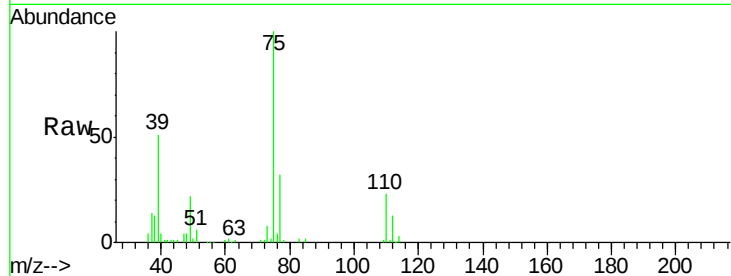
#53
t-1,3-Dichloropropene
Concen: 19.666 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064223.D
Acq: 21 Oct 2020 15:58

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tot Ion: 75 Resp: 99633
Ion Ratio Lower Upper
75 100
77 30.8 25.4 38.2

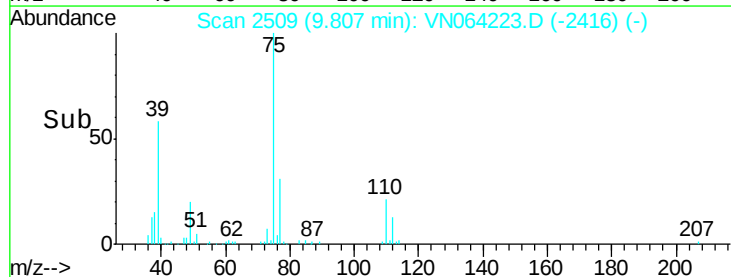
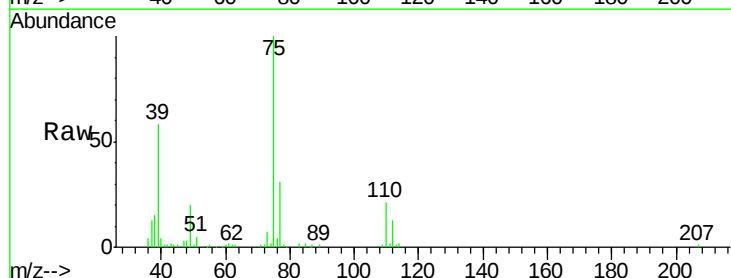
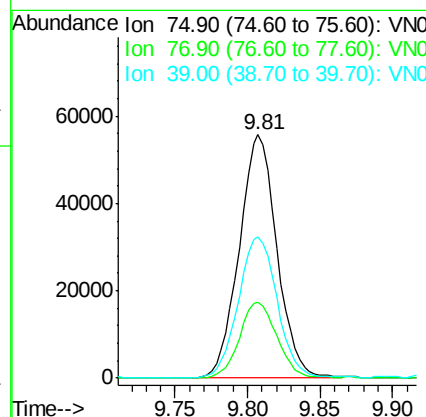
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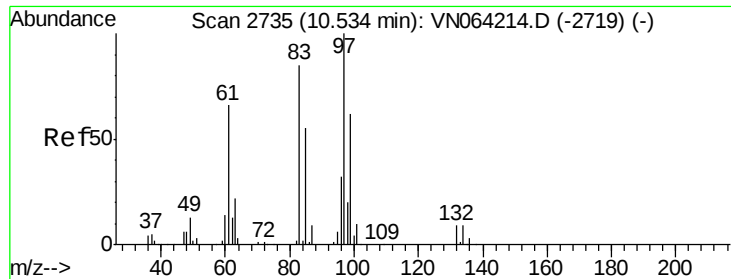
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#54
cis-1,3-Dichloropropene
Concen: 18.893 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN064223.D
Acq: 21 Oct 2020 15:58

Tgt Ion: 75 Resp: 100778
Ion Ratio Lower Upper
75 100
77 31.0 26.6 39.8
39 57.6 46.7 70.1





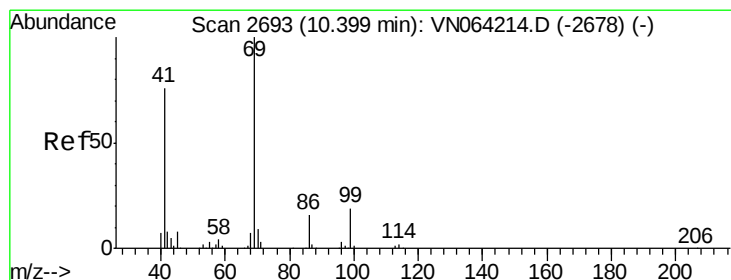
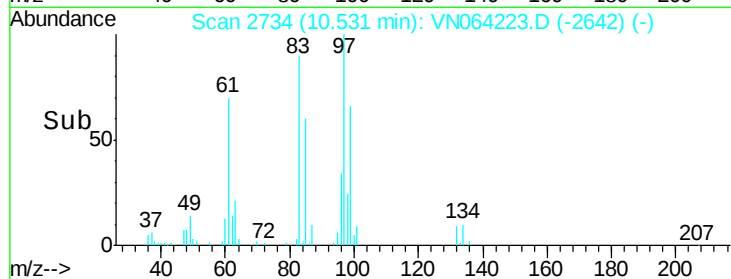
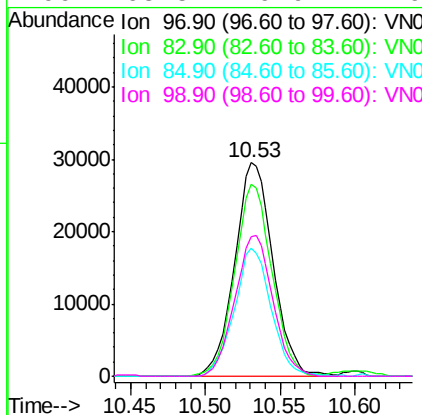
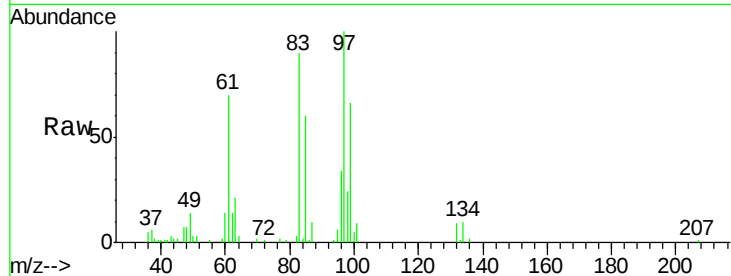
#55
 1,1,2-Trichloroethane
 Concen: 18.944 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064223.D
 Acq: 21 Oct 2020 15:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021WBSD01

Tot Ion:	97	Resp:	52718
Ion	Ratio	Lower	Upper
97	100		
83	89.6	67.8	101.6
85	60.0	43.6	65.4
99	65.5	49.9	74.9

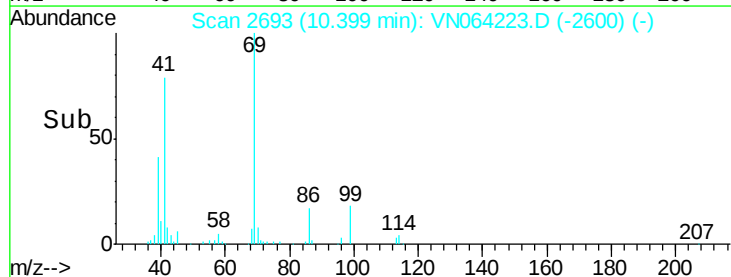
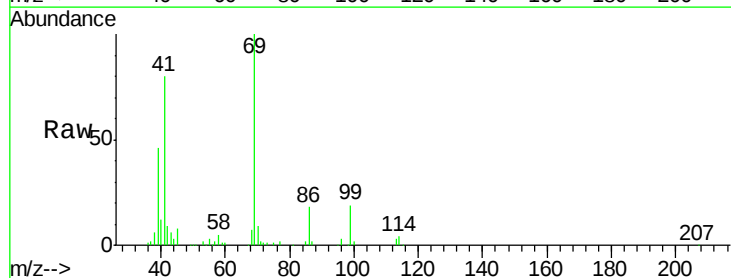
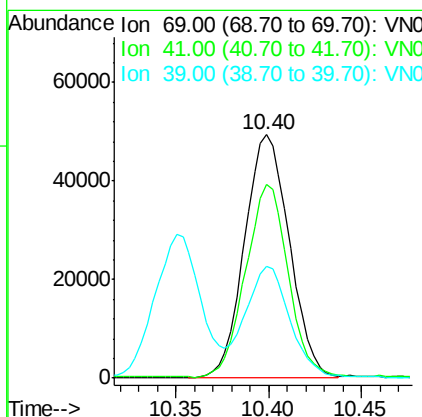
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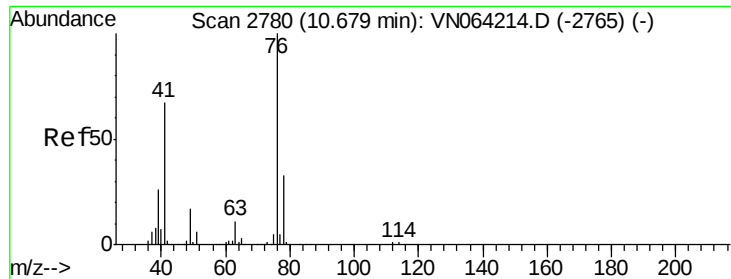
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#56
 Ethyl methacrylate
 Concen: 19.343 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN064223.D
 Acq: 21 Oct 2020 15:58

Tgt Ion:	69	Resp:	83230
Ion	Ratio	Lower	Upper
69	100		
41	74.8	61.4	92.2
39	44.8	36.0	54.0





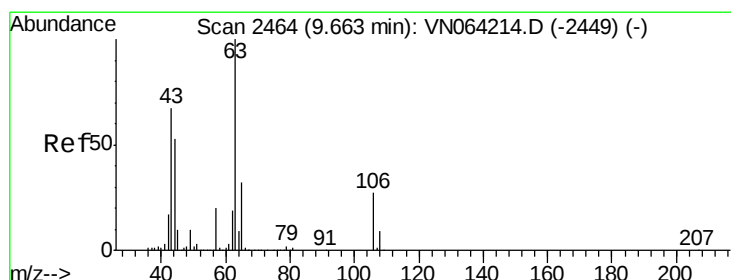
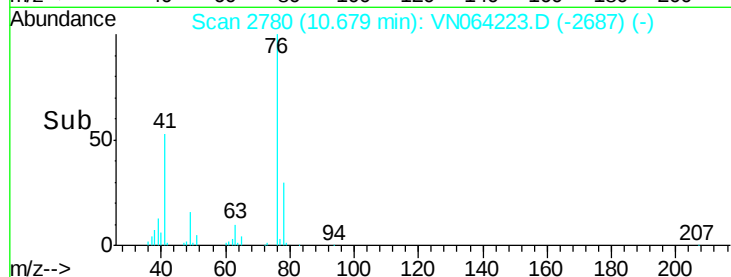
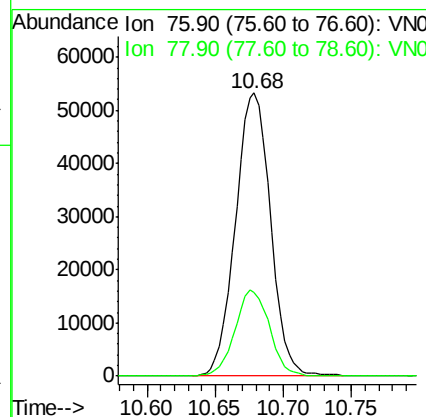
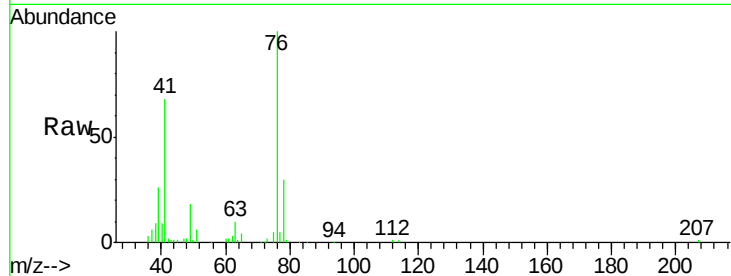
#57
 1,3-Dichloropropane
 Concen: 19.685 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. -0.00 min
 Lab File: VN064223.D
 Acq: 21 Oct 2020 15:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021WBSD01

Tot Ion: 76 Resp: 95154
 Ion Ratio Lower Upper
 76 100
 78 29.9 26.2 39.2

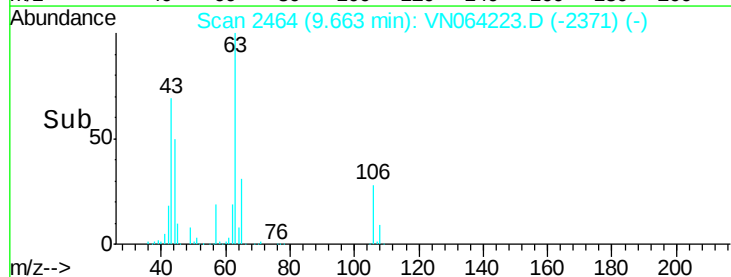
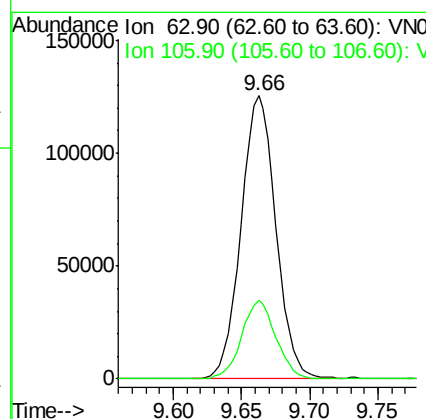
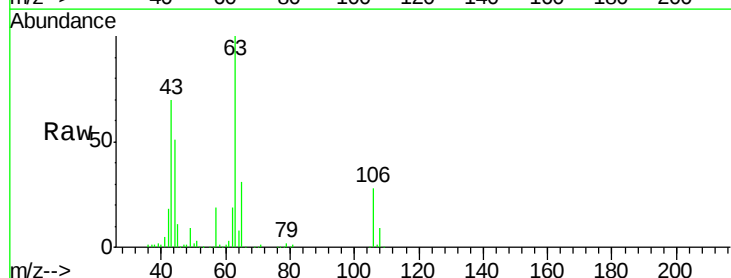
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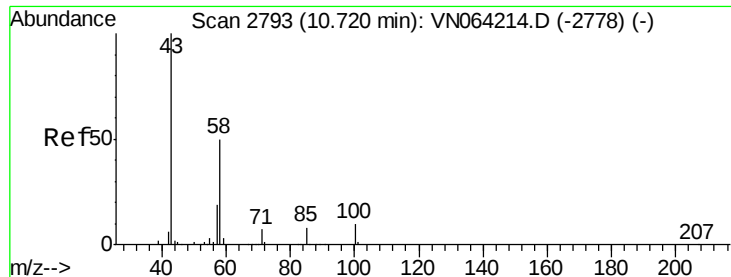
MMDadoda
 10/23/2020 2:10:10 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.222 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN064223.D
 Acq: 21 Oct 2020 15:58

Tgt Ion: 63 Resp: 222067
 Ion Ratio Lower Upper
 63 100
 106 27.2 21.3 31.9





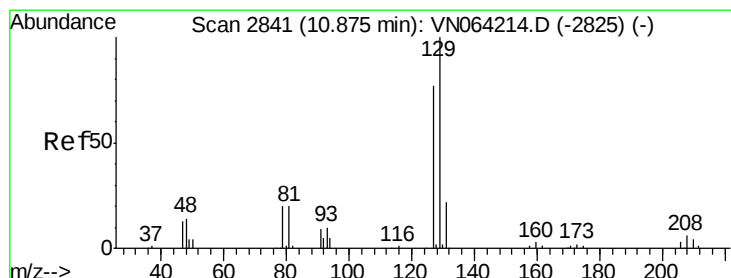
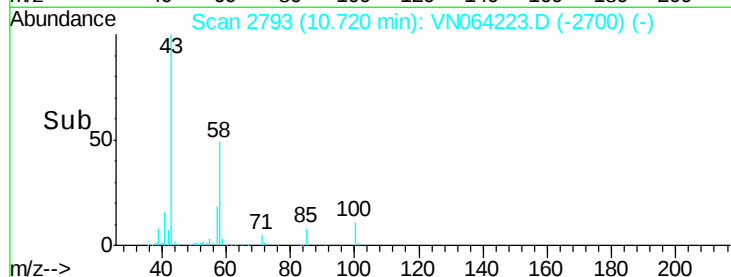
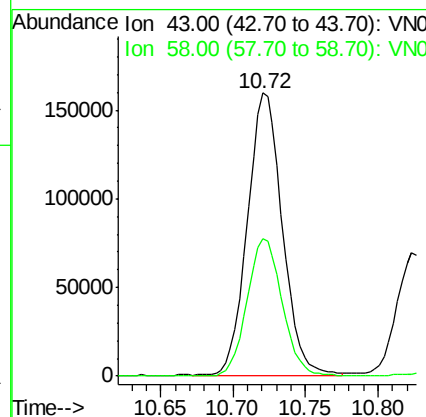
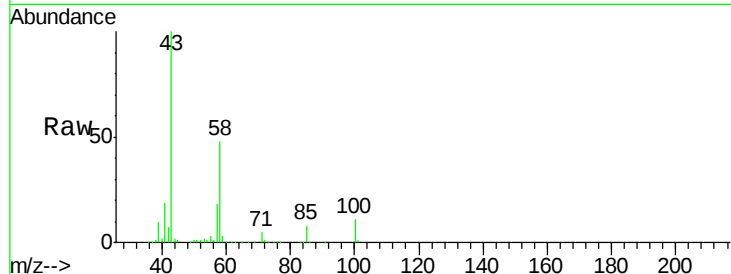
#59
2-Hexanone
Concen: 96.449 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064223.D
Acq: 21 Oct 2020 15:58

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tot Ion	43	Resp	265729
Ion Ratio	43	100	
Lower	58	49.3	24.8
Upper			74.3

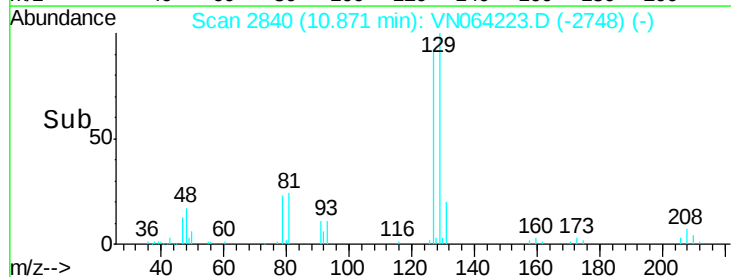
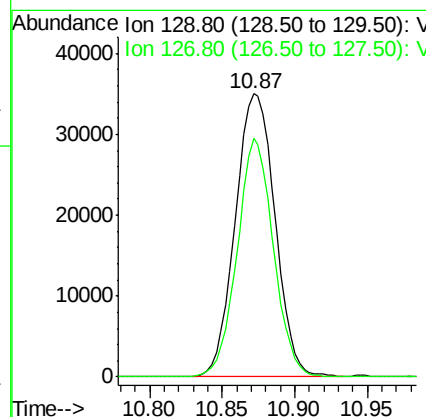
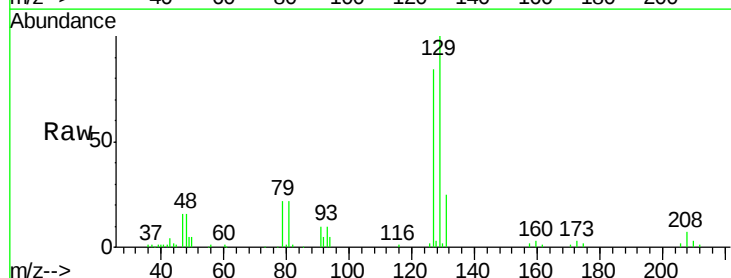
Manual Integrations
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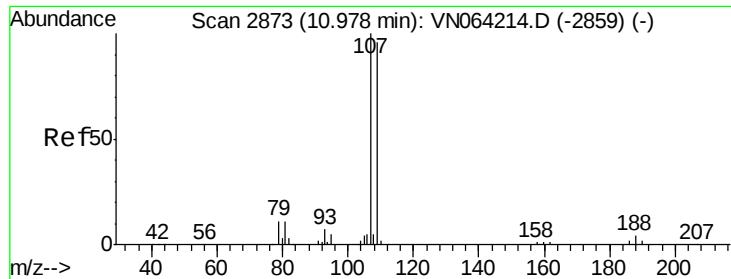
MMDadoda
10/23/2020 2:10:10 PM



#60
Dibromochloromethane
Concen: 18.527 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064223.D
Acq: 21 Oct 2020 15:58

Tgt Ion	129	Resp	66744
Ion Ratio	129	100	
Lower	127	76.6	38.8
Upper			116.3





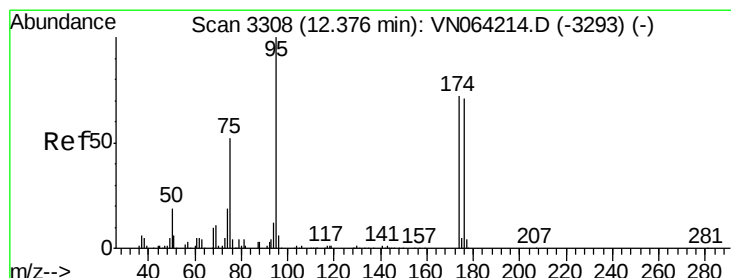
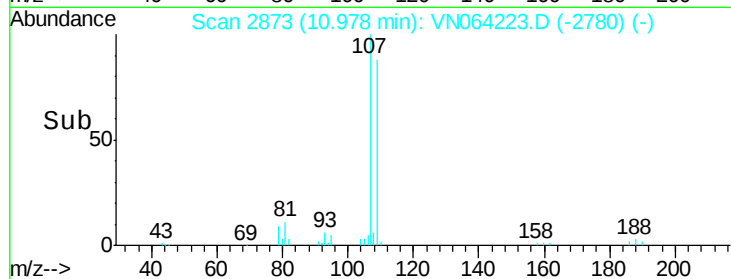
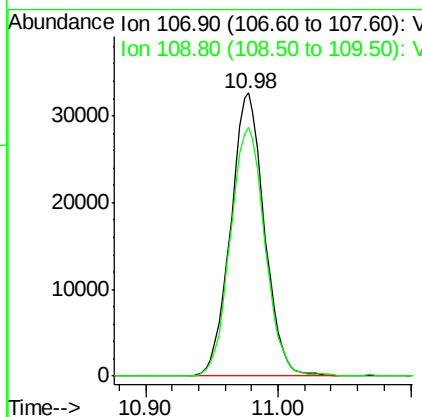
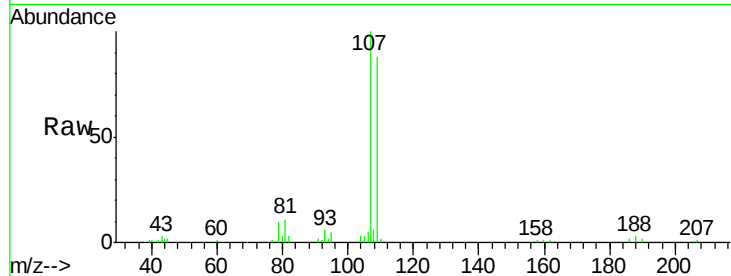
#61
 1,2-Dibromoethane
 Concen: 19.620 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN064223.D
 Acq: 21 Oct 2020 15:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	89.9	76.2	114.4

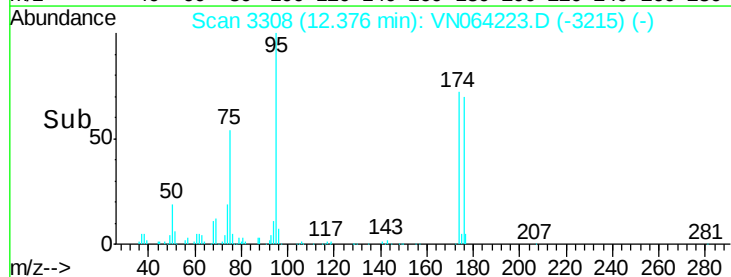
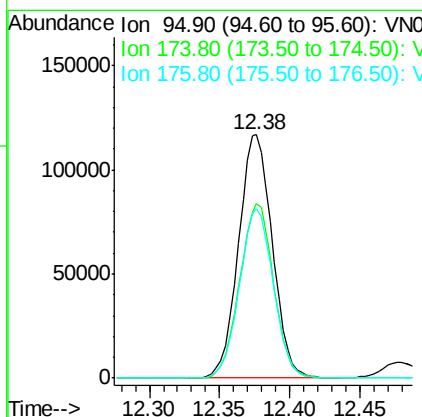
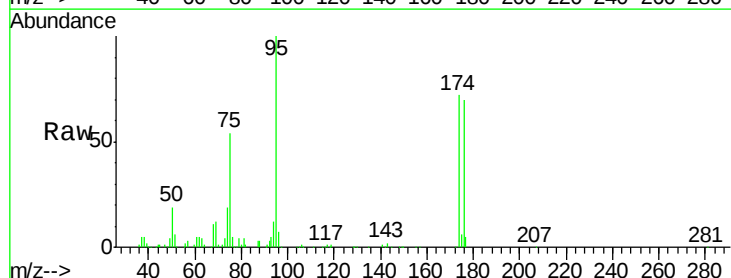
Manual Integrations
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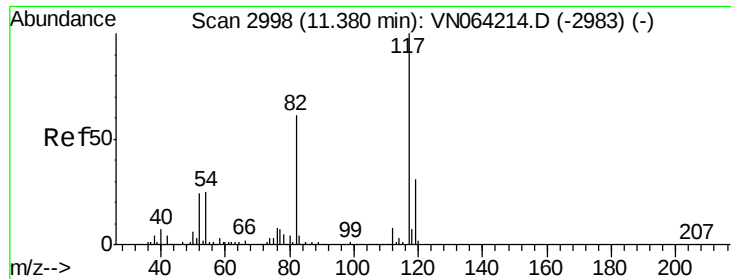
MMDadoda
 10/23/2020 2:10:10 PM



#62
 4-Bromofluorobenzene
 Concen: 47.980 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN064223.D
 Acq: 21 Oct 2020 15:58

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.0	0.0	144.4
176	69.8	0.0	139.2





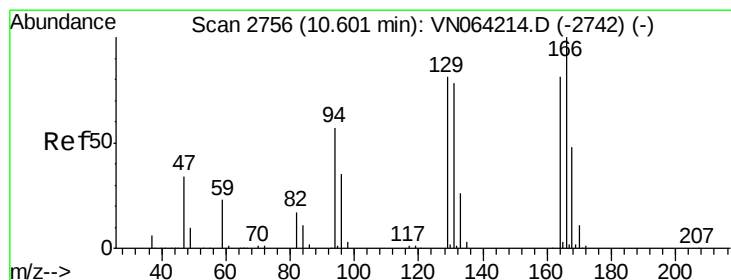
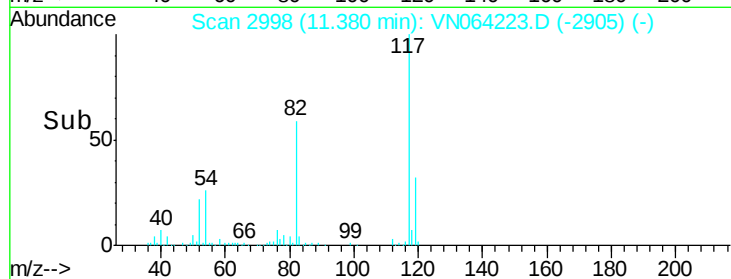
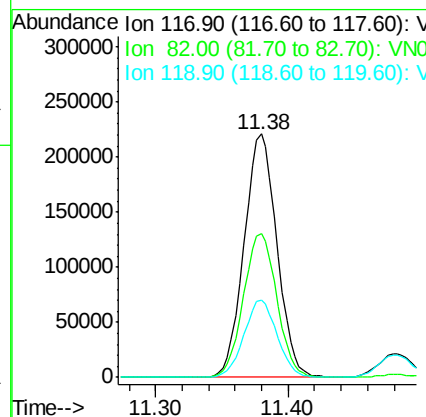
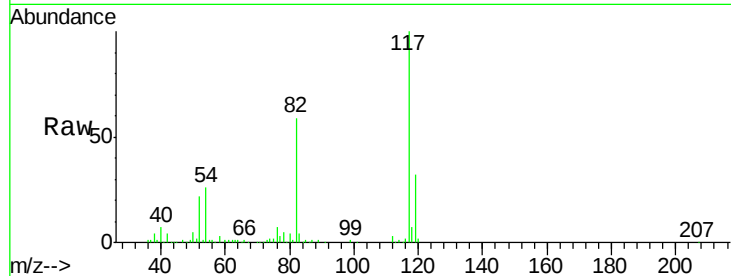
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064223.D
Acq: 21 Oct 2020 15:58

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	380281		
82	59.3	48.8	73.2	
119	31.9	24.7	37.1	

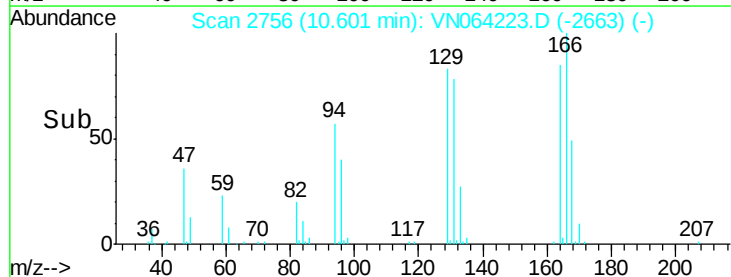
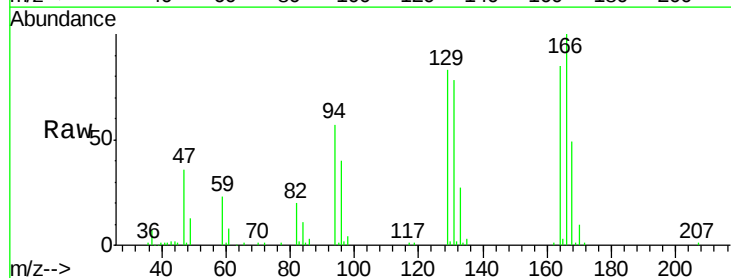
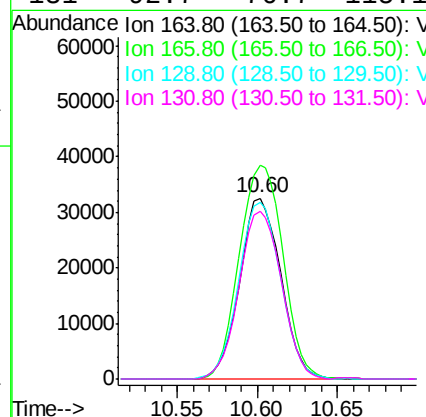
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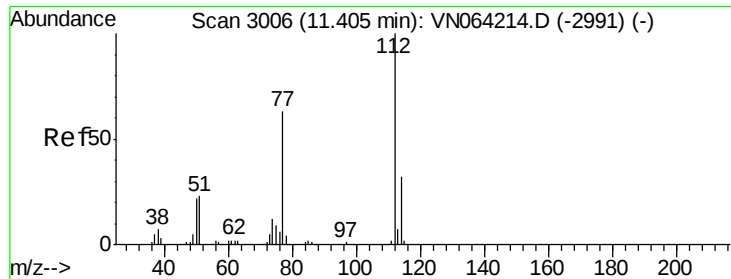
MMDadoda
10/23/2020 2:10:10 PM



#64
Tetrachloroethene
Concen: 18.616 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064223.D
Acq: 21 Oct 2020 15:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	56994		
166	118.2	98.9	148.3	
129	98.1	79.9	119.9	
131	92.7	76.7	115.1	





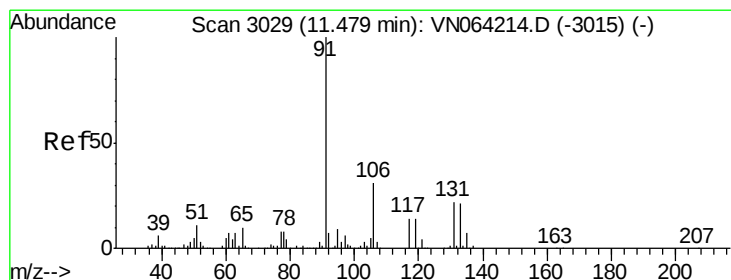
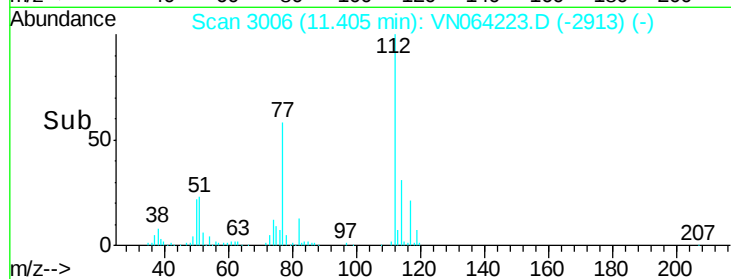
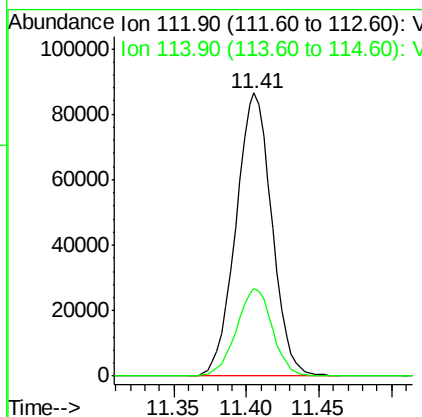
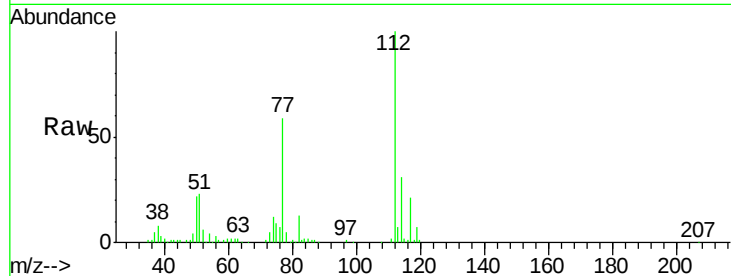
#65
Chlorobenzene
Concen: 18.865 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064223.D
Acq: 21 Oct 2020 15:58

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tot Ion:112 Resp: 148494
Ion Ratio Lower Upper
112 100
114 30.8 25.7 38.5

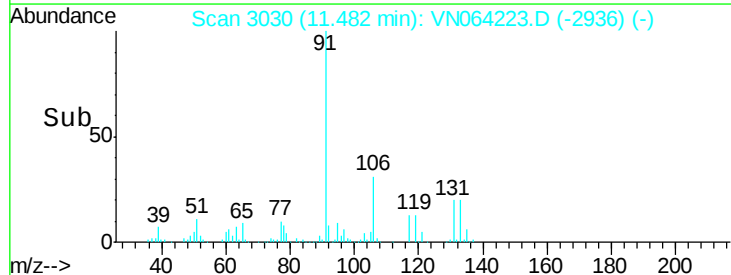
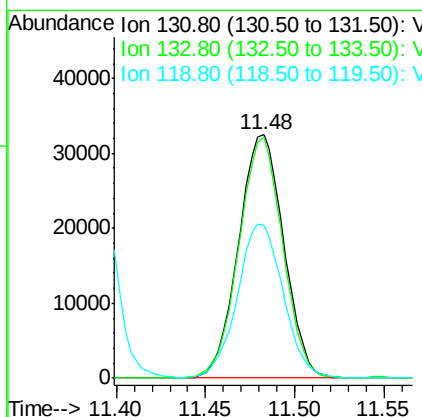
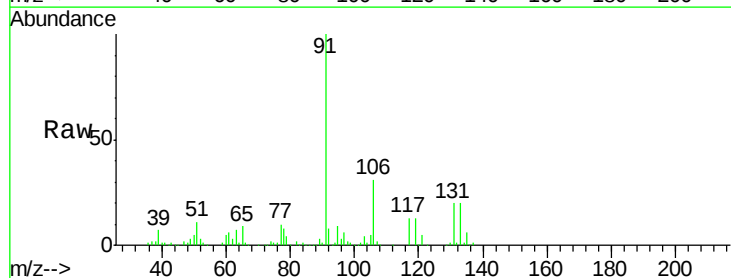
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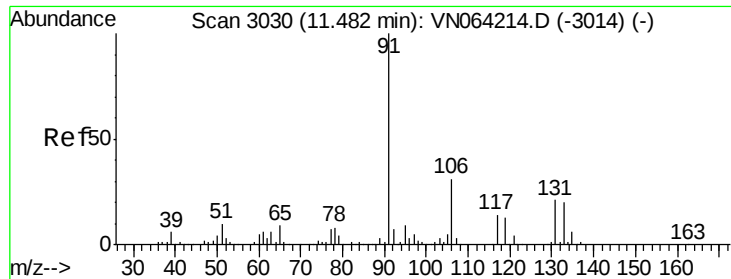
MMDadoda
10/23/2020 2:10:10 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.412 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064223.D
Acq: 21 Oct 2020 15:58

Tgt Ion:131 Resp: 57528
Ion Ratio Lower Upper
131 100
133 96.0 47.8 143.4
119 64.3 32.2 96.6





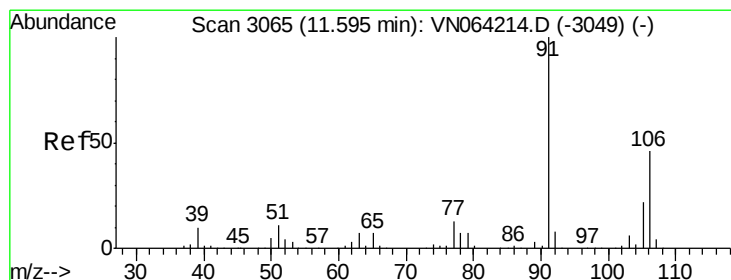
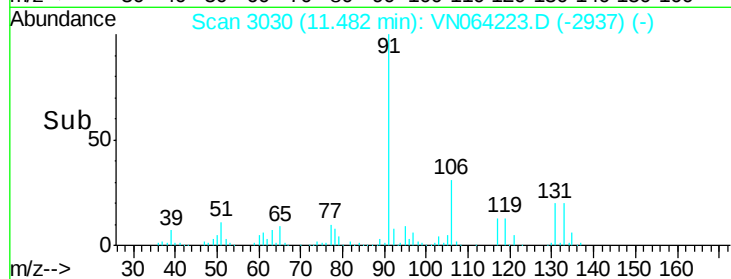
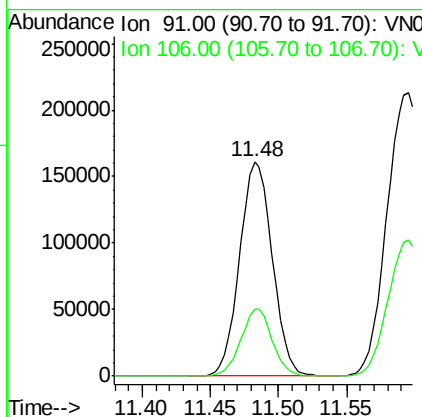
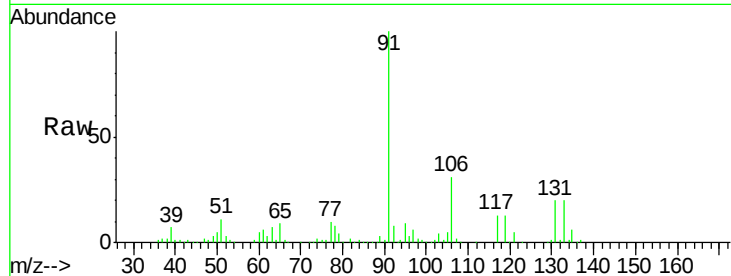
#67
Ethyl Benzene
Concen: 18.590 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064223.D
Acq: 21 Oct 2020 15:58

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tot Ion: 91 Resp: 268926
Ion Ratio Lower Upper
91 100
106 31.1 24.8 37.2

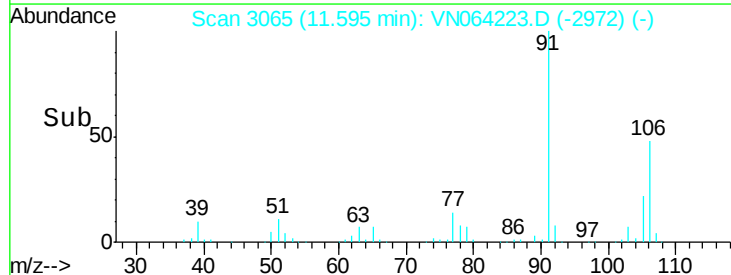
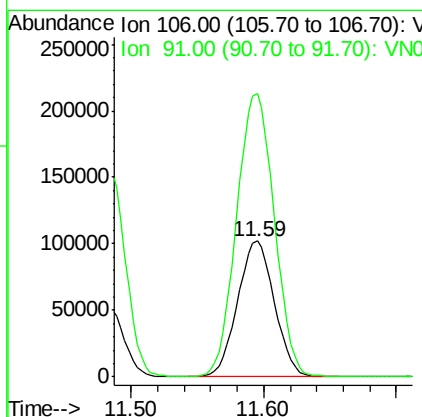
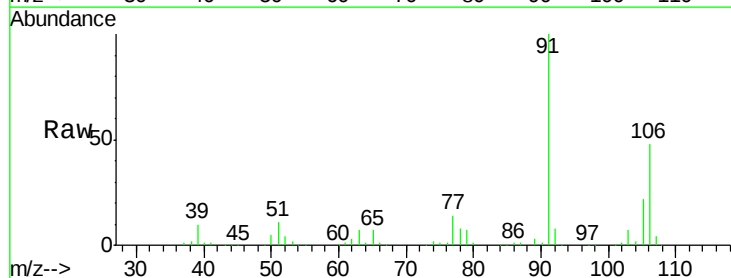
Manual Integrations
APPROVED

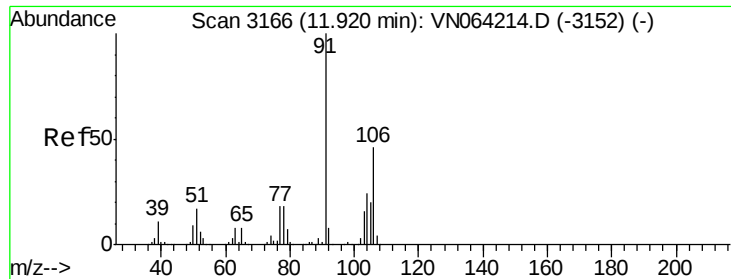
MMDadoda
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#68
m/p-Xylenes
Concen: 36.727 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064223.D
Acq: 21 Oct 2020 15:58

Tgt Ion: 106 Resp: 196852
Ion Ratio Lower Upper
106 100
91 213.0 172.2 258.2





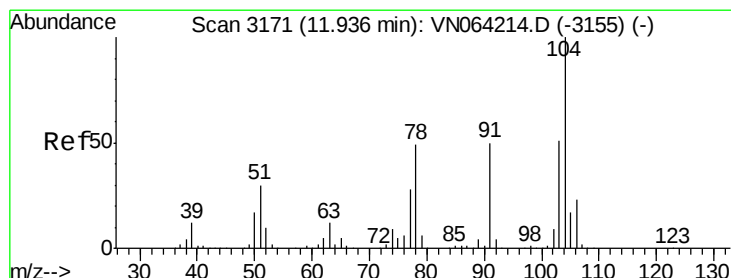
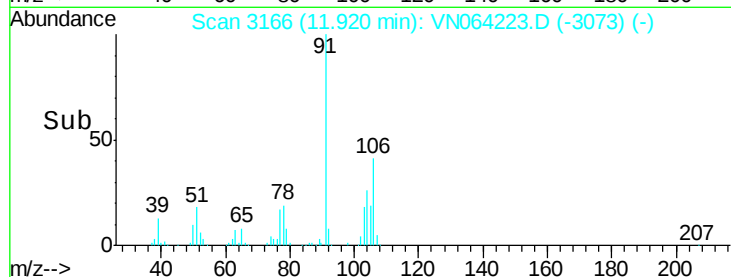
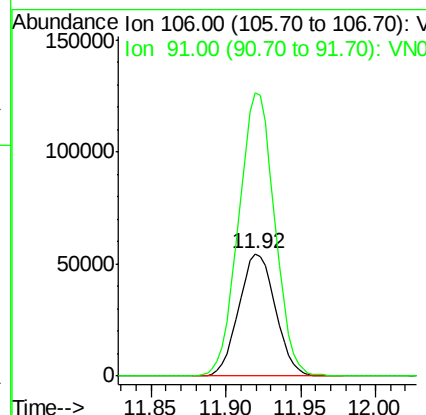
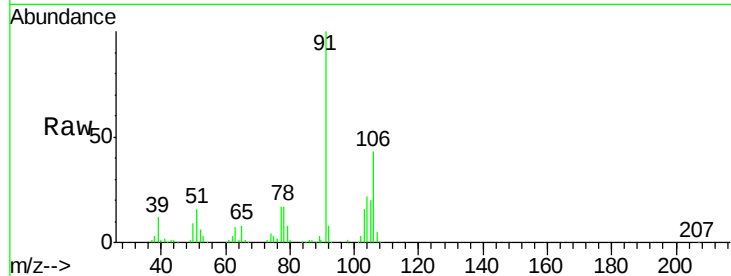
#69
o-Xylene
Concen: 17.989 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064223.D
Acq: 21 Oct 2020 15:58

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	227.7	109.9	329.6	

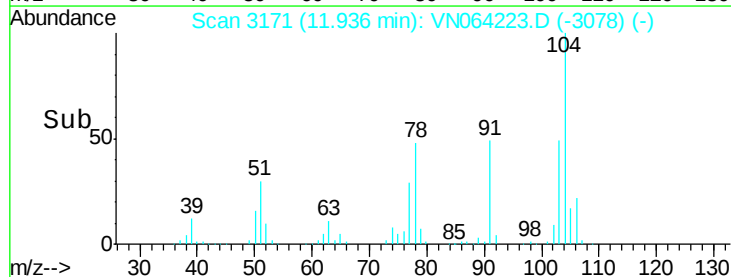
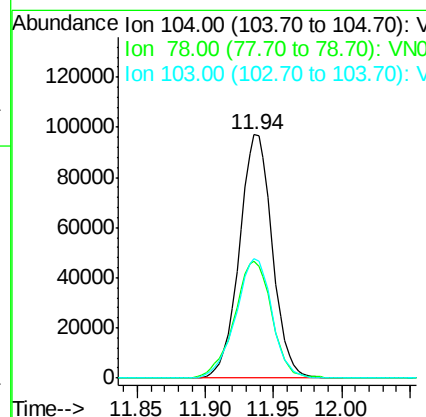
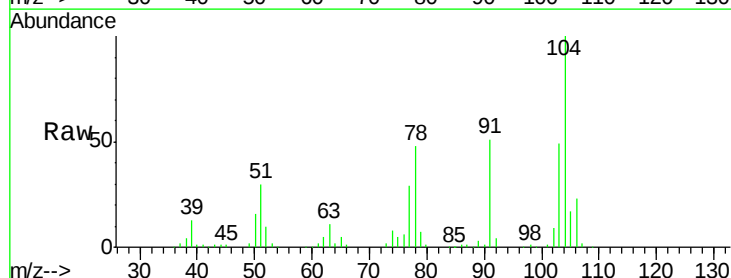
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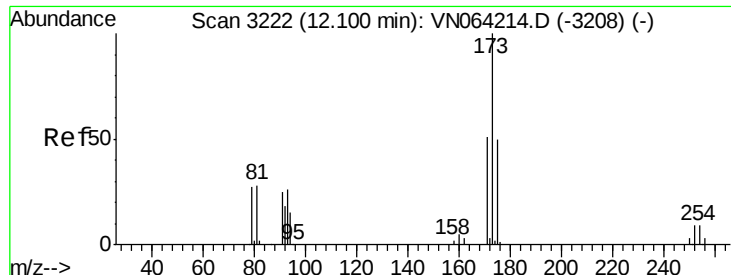
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#70
Styrene
Concen: 18.716 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064223.D
Acq: 21 Oct 2020 15:58

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	54.5	43.8	65.6	
103	53.9	43.4	65.2	





#71

Bromoform

Concen: 18.138 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN064223.D

Acq: 21 Oct 2020 15:58

Instrument :

MSVOA_N

ClientSampleId :

VN1021WBSD01

Tot Ion:173 Resp: 43779

Ion Ratio Lower Upper

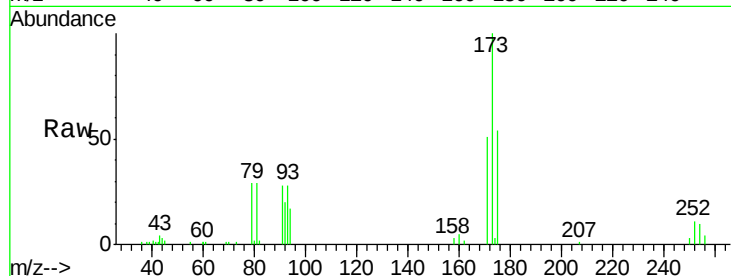
173 100

175 52.2 25.1 75.3

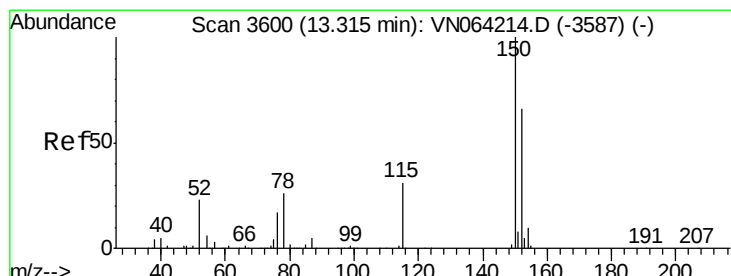
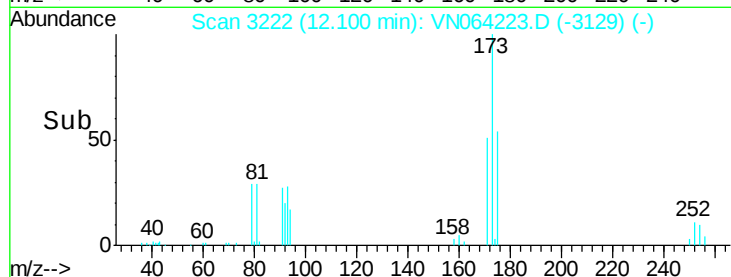
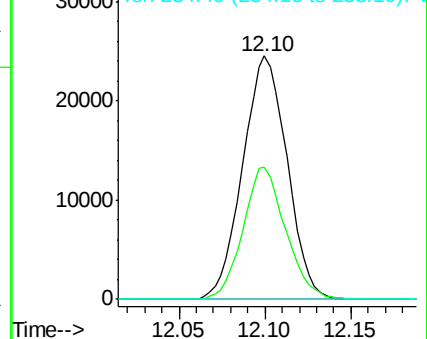
254 0.0 0.0 0.0

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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: VN064223.D

Acq: 21 Oct 2020 15:58

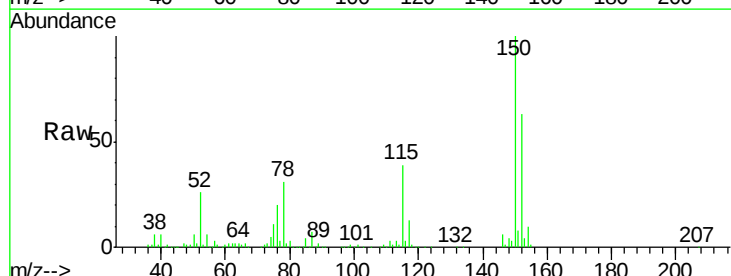
Tgt Ion:152 Resp: 178805

Ion Ratio Lower Upper

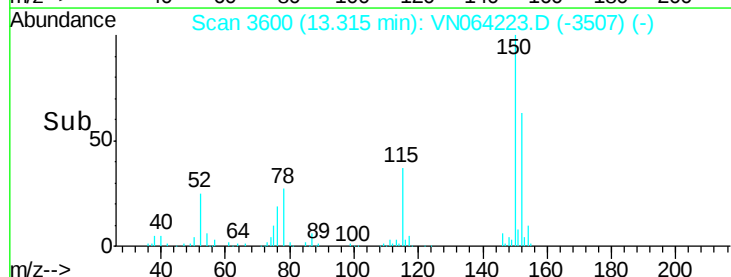
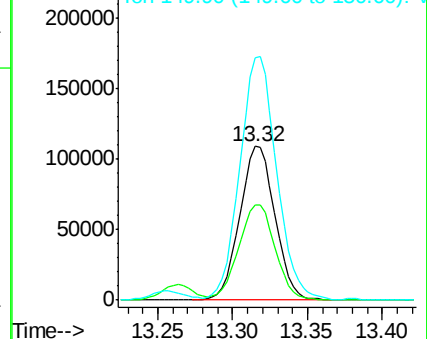
152 100

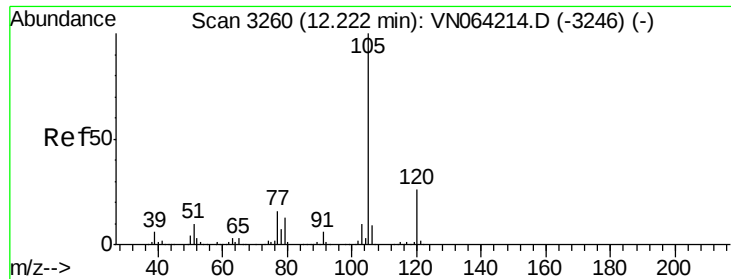
115 64.4 32.0 96.2

150 164.8 0.0 356.6



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: 18.912 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064223.D

Acq: 21 Oct 2020 15:58

Instrument :

MSVOA_N

ClientSampleId :

VN1021WBSD01

Tot Ion: 105 Resp: 257906

Ion Ratio Lower Upper

105 100

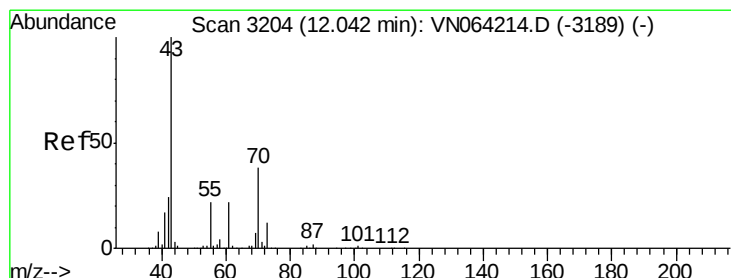
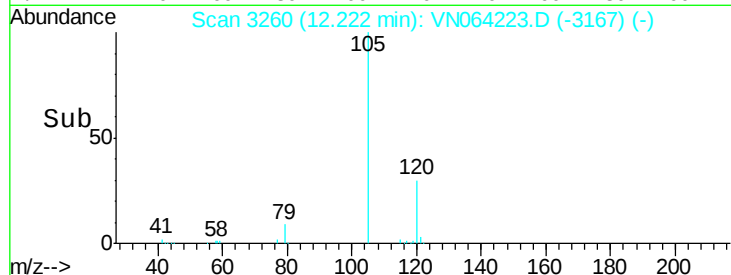
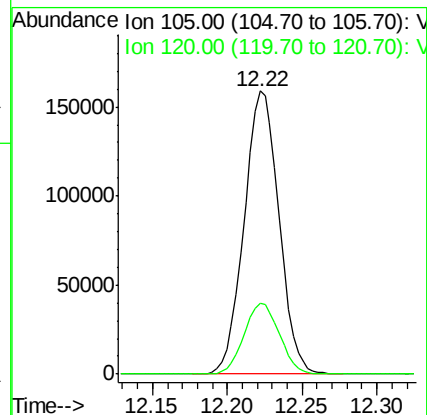
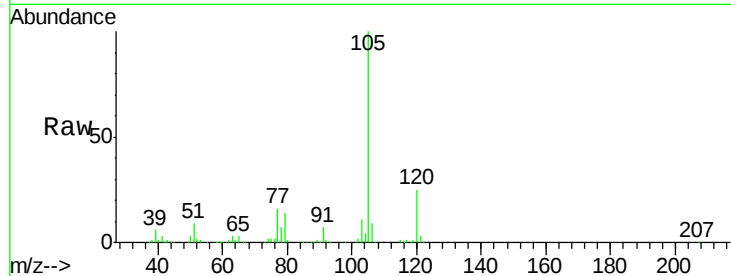
120 25.2 12.9 38.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.396 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064223.D

Acq: 21 Oct 2020 15:58

Tgt Ion: 43 Resp: 114294

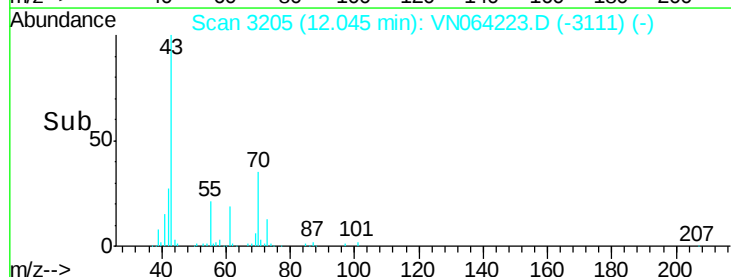
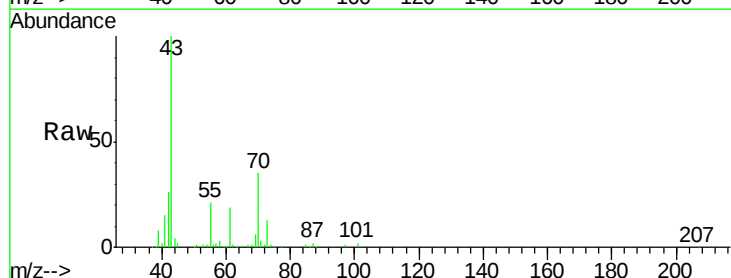
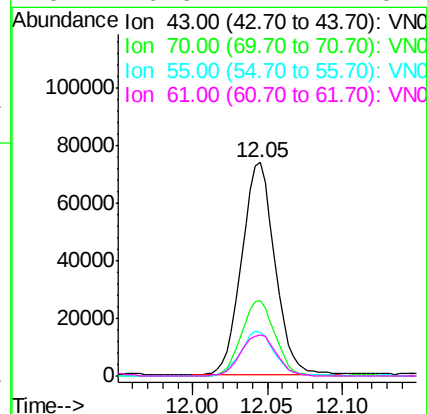
Ion Ratio Lower Upper

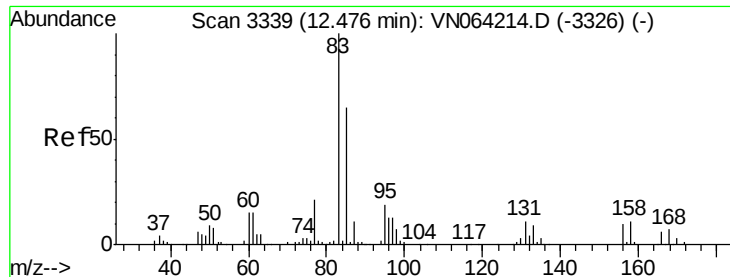
43 100

70 36.2 30.2 45.4

55 22.0 18.0 27.0

61 20.6 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.218 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064223.D

Acq: 21 Oct 2020 15:58

Instrument :

MSVOA_N

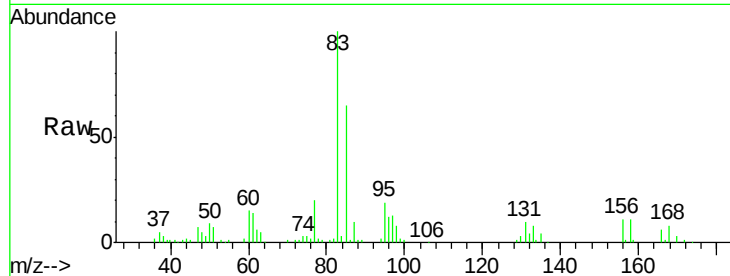
ClientSampleId :

VN1021WBSD01

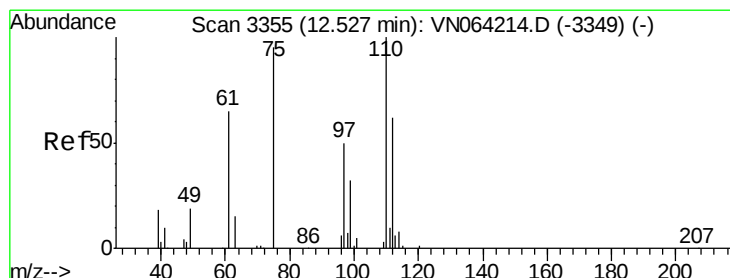
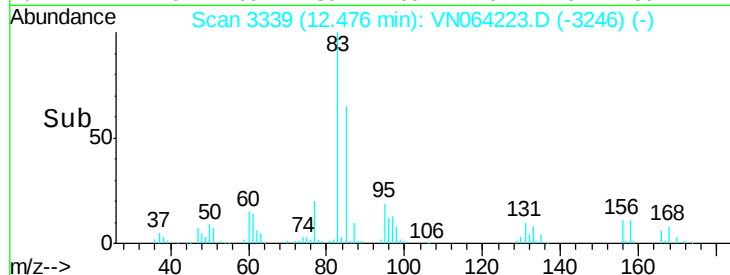
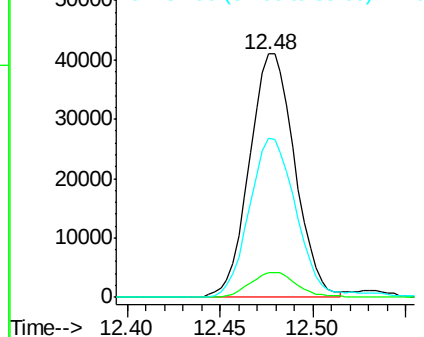
Tot Ion:	83	Resp:	69550
Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.5	16.7
85	68.2	32.4	97.0

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Abundance Ion 82.90 (82.60 to 83.60): VN064223.D (-3246) (-)



#76

1,2,3-Trichloropropane

Concen: 18.767 ug/l m

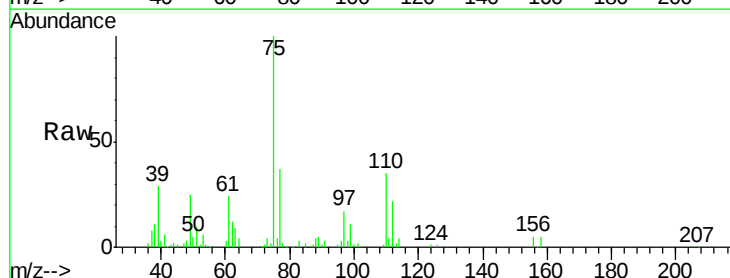
RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

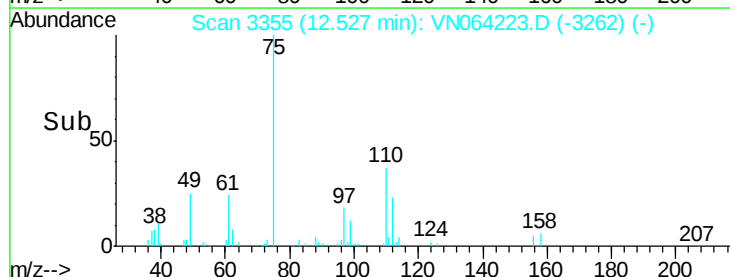
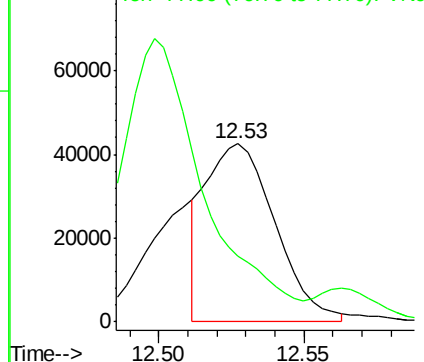
Lab File: VN064223.D

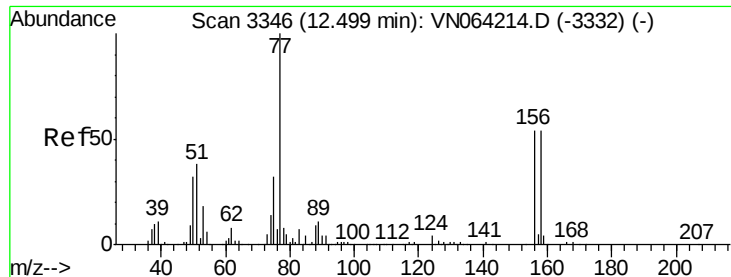
Acq: 21 Oct 2020 15:58

Tgt Ion:	75	Resp:	70742
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN064223.D (-3262) (-)





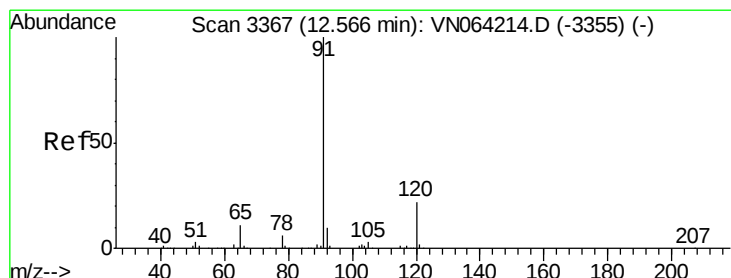
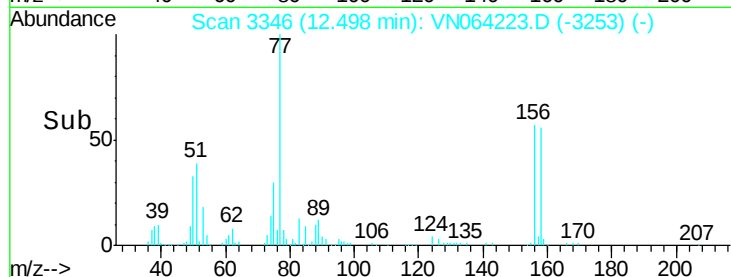
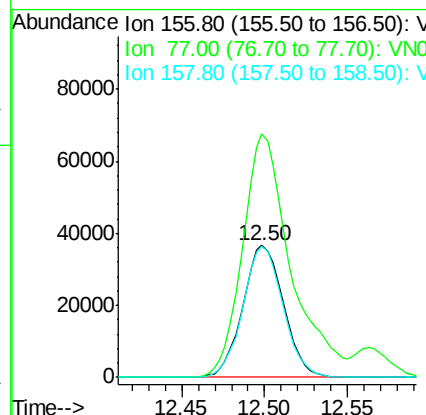
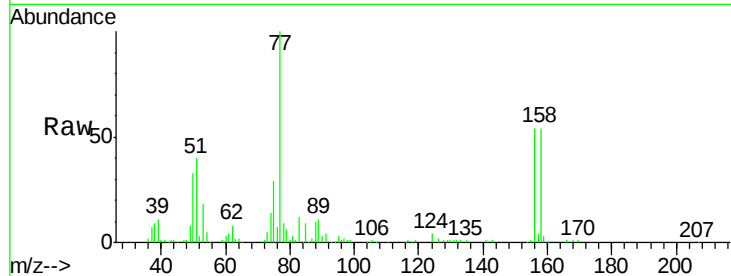
#77
Bromobenzene
Concen: 19.429 ug/l
RT: 12.50 min Scan# 3346
Delta R.T. -0.00 min
Lab File: VN064223.D
Acq: 21 Oct 2020 15:58

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	218.3	111.1	333.4	
158	97.8	50.0	150.1	

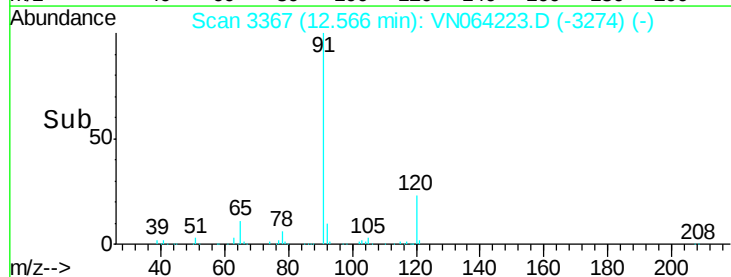
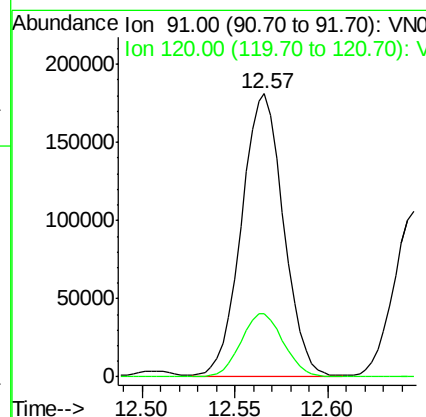
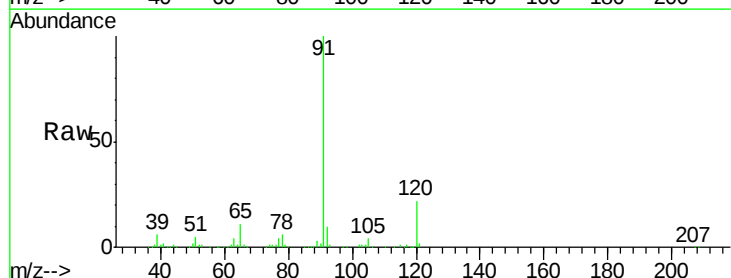
Manual Integrations
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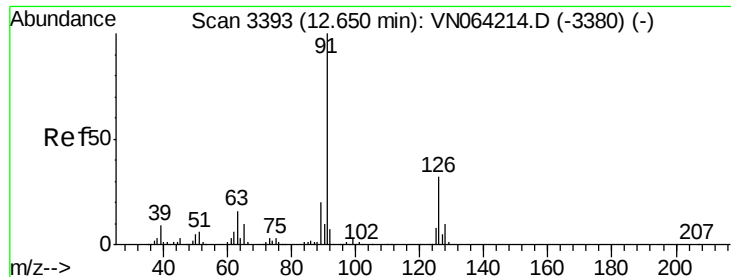
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#78
n-propylbenzene
Concen: 18.577 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. -0.00 min
Lab File: VN064223.D
Acq: 21 Oct 2020 15:58

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.5	11.1	33.1	





#79

2-Chlorotoluene

Concen: 18.917 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064223.D

Acq: 21 Oct 2020 15:58

Instrument :

MSVOA_N

ClientSampleId :

VN1021WBSD01

Tot Ion: 91 Resp: 178656

Ion Ratio Lower Upper

91 100

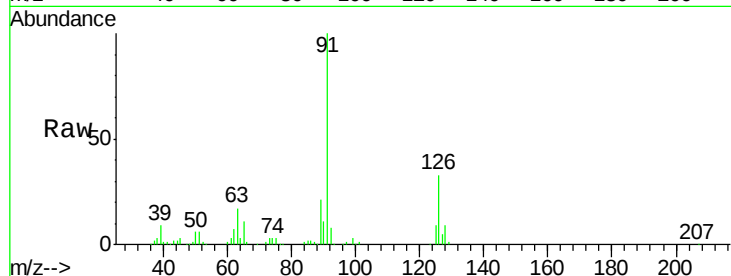
126 32.3 16.0 48.0

Manual Integrations

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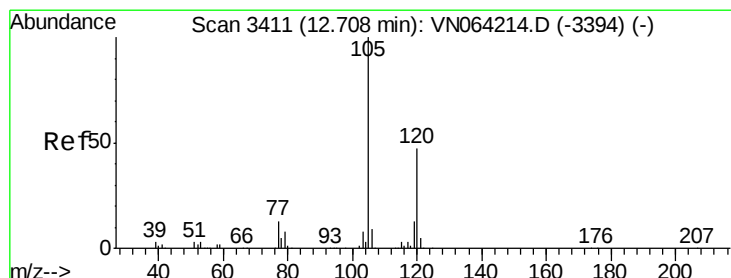
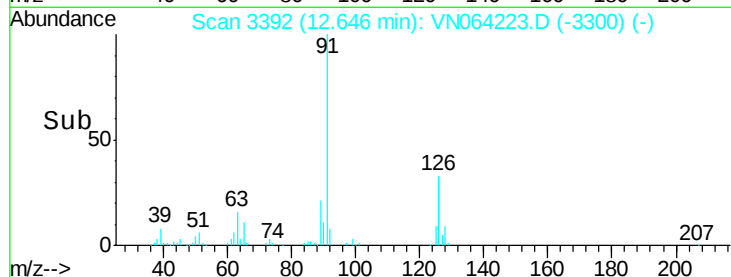
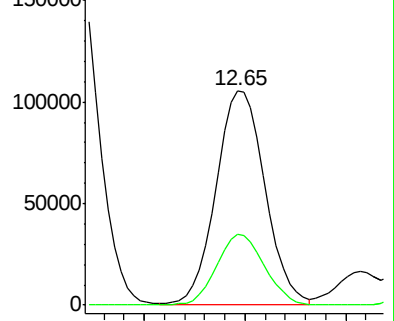
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Abundance Ion 91.00 (90.70 to 91.70): VN064223.D (-3392) (-)

Ion 125.90 (125.60 to 126.60): VN064223.D (-3392) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.805 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064223.D

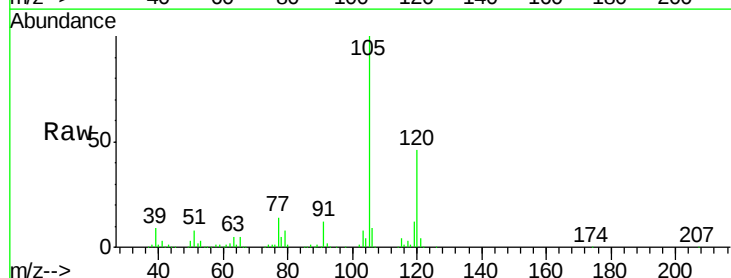
Acq: 21 Oct 2020 15:58

Tgt Ion: 105 Resp: 216804

Ion Ratio Lower Upper

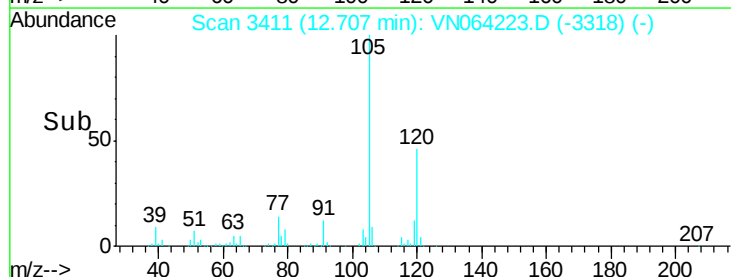
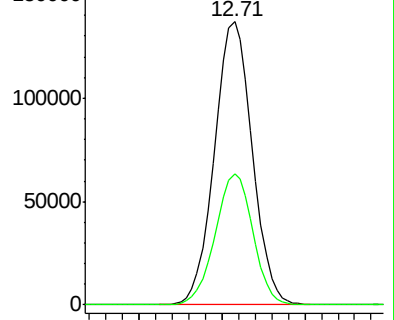
105 100

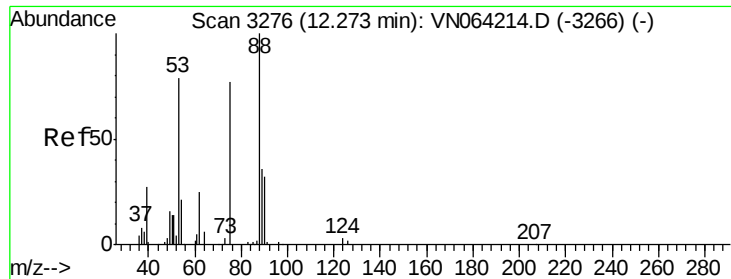
120 46.2 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN064223.D (-3318) (-)

Ion 120.00 (119.70 to 120.70): VN064223.D (-3318) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.806 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064223.D

Acq: 21 Oct 2020 15:58

Instrument :

MSVOA_N

ClientSampleId :

VN1021WBSD01

Tot Ion: 75 Resp: 28078

Ion Ratio Lower Upper

75 100

53 106.2 81.0 121.4

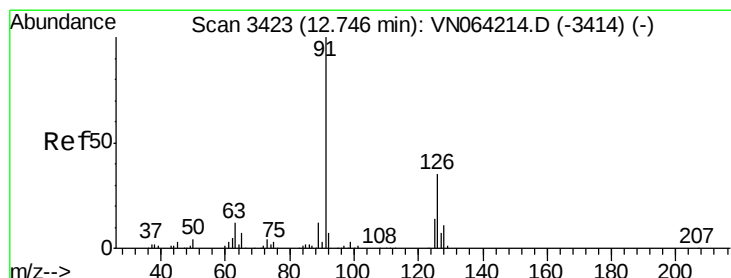
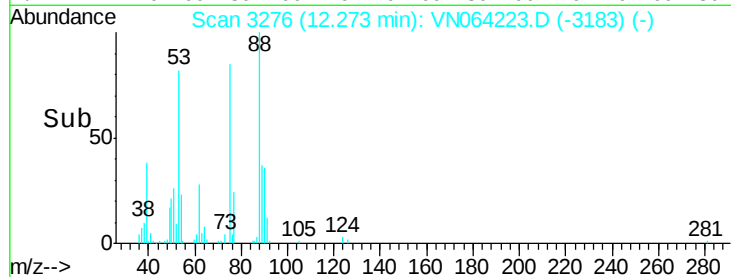
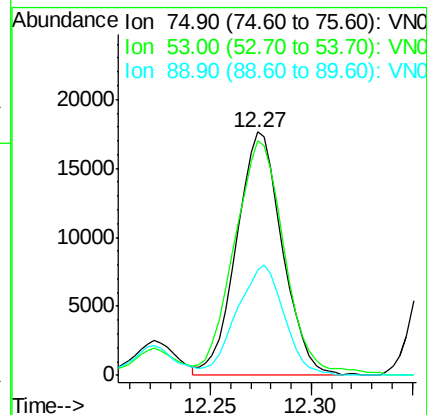
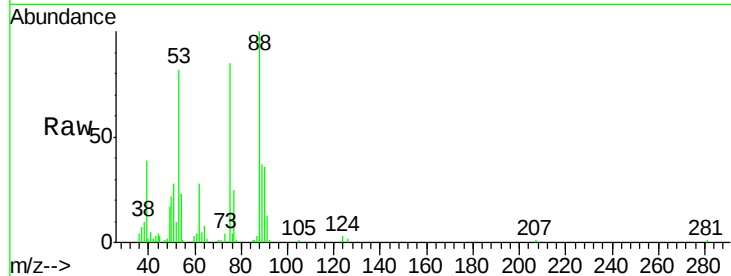
89 46.9 38.7 58.1

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#82

4-Chlorotoluene

Concen: 19.264 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN064223.D

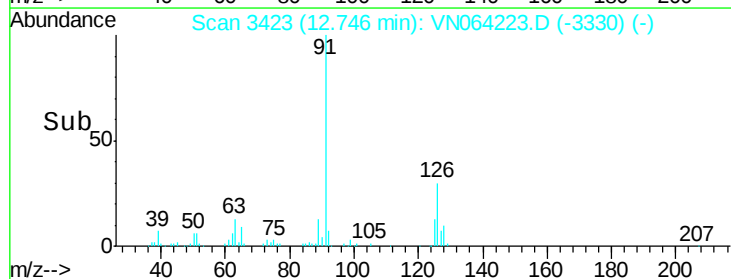
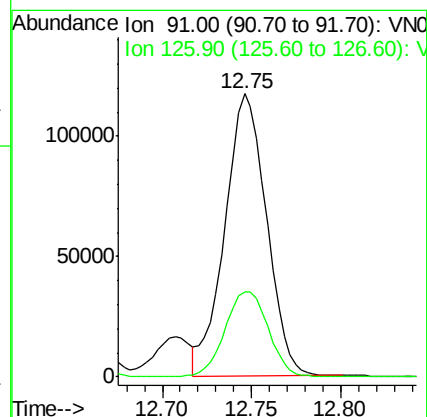
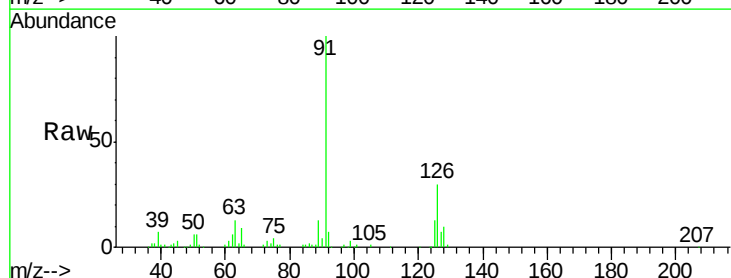
Acq: 21 Oct 2020 15:58

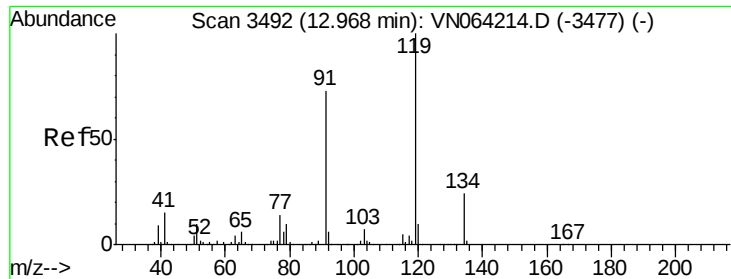
Tgt Ion: 91 Resp: 189781

Ion Ratio Lower Upper

91 100

126 31.6 15.8 47.3





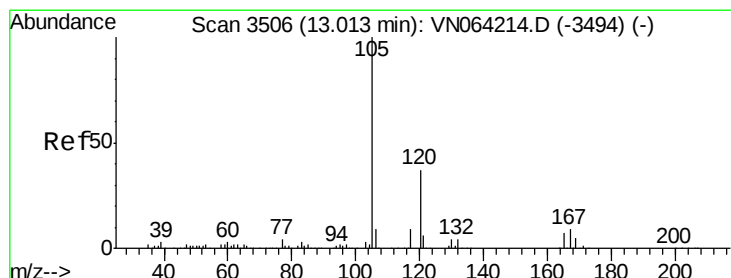
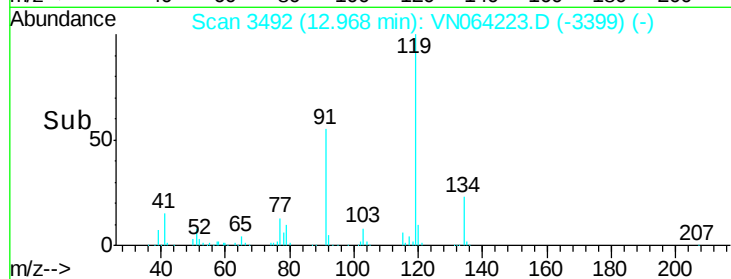
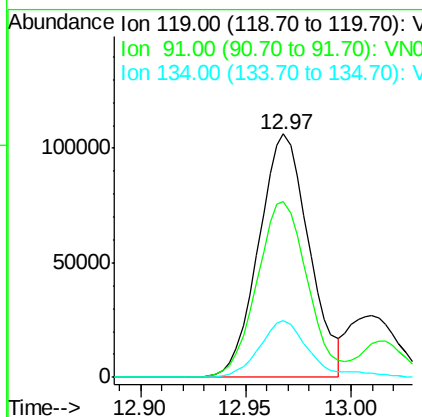
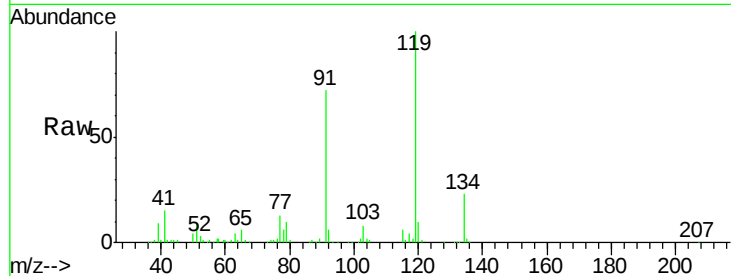
#83
 tert-Butylbenzene
 Concen: 18.662 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN064223.D
 Acq: 21 Oct 2020 15:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	176398		
91	72.3	35.1	105.3	
134	23.5	11.6	34.8	

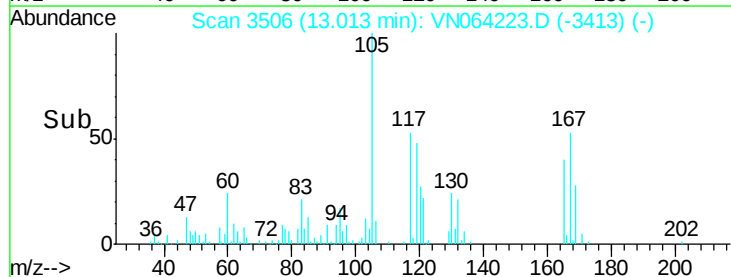
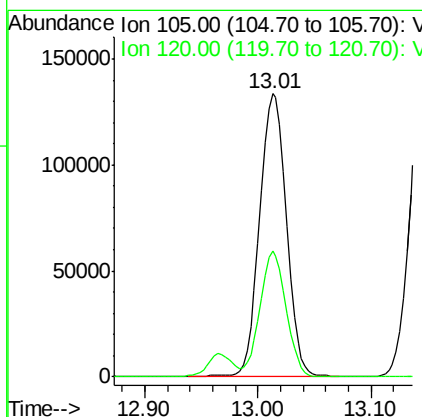
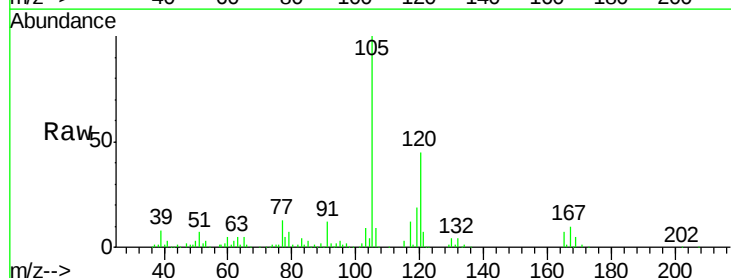
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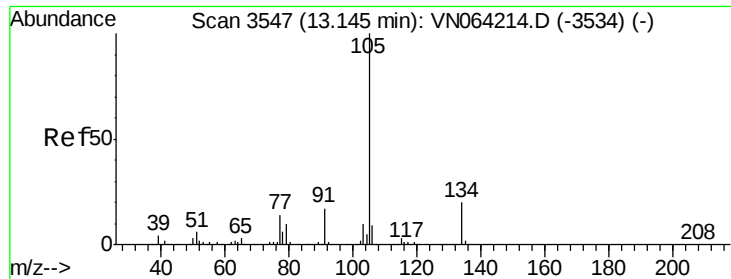
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.235 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN064223.D
 Acq: 21 Oct 2020 15:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	220725		
120	43.3	21.5	64.5	





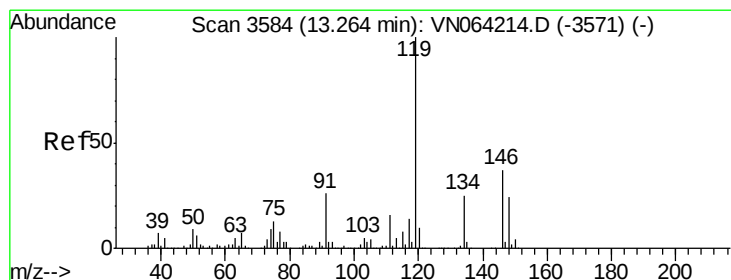
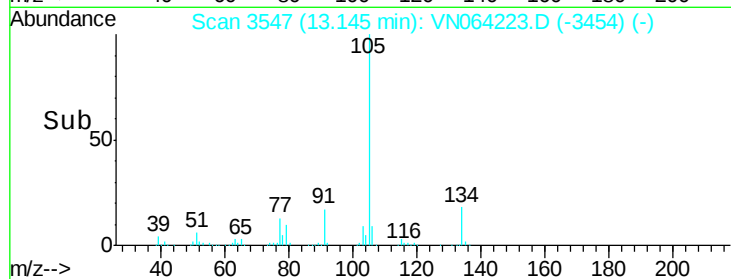
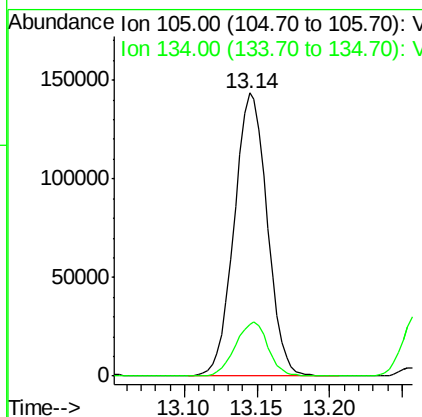
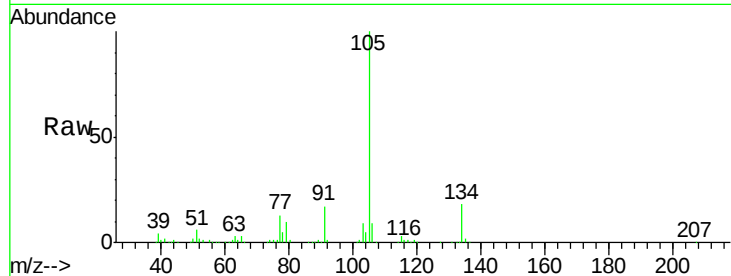
#85
 sec-Butylbenzene
 Concen: 18.977 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064223.D
 Acq: 21 Oct 2020 15:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.8	9.7	29.1

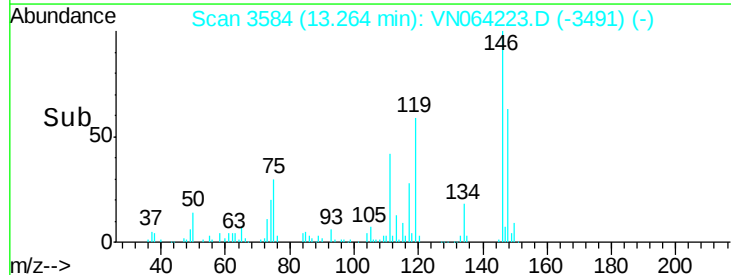
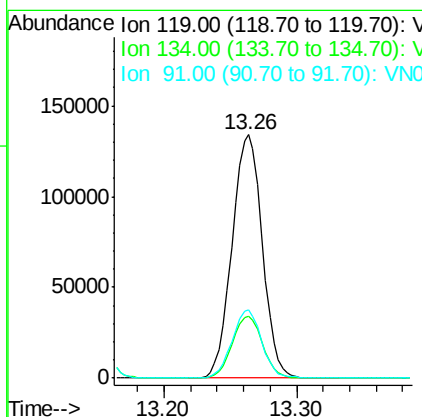
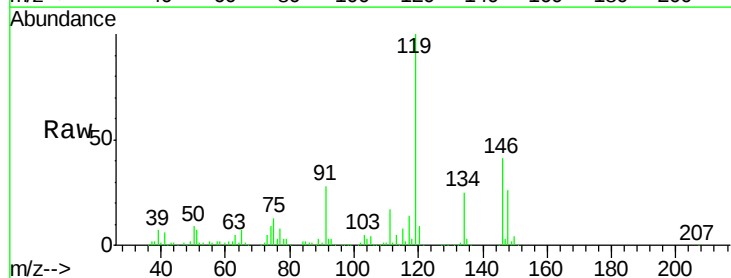
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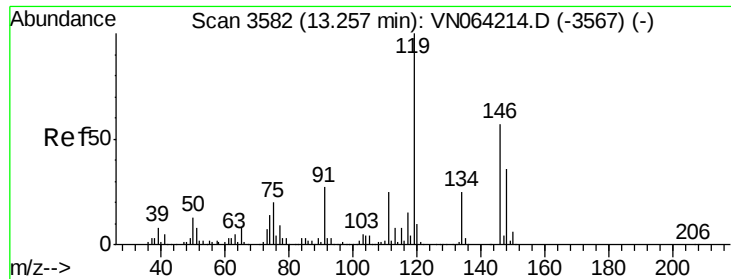
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#86
 p-Isopropyltoluene
 Concen: 19.596 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN064223.D
 Acq: 21 Oct 2020 15:58

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	13.1	39.3
91	27.7	13.4	40.2





#87

1,3-Dichlorobenzene

Concen: 19.043 ug/l

RT: 13.34 min Scan# 3607

Delta R.T. 0.08 min

Lab File: VN064223.D

Acq: 21 Oct 2020 15:58

Instrument :

MSVOA_N

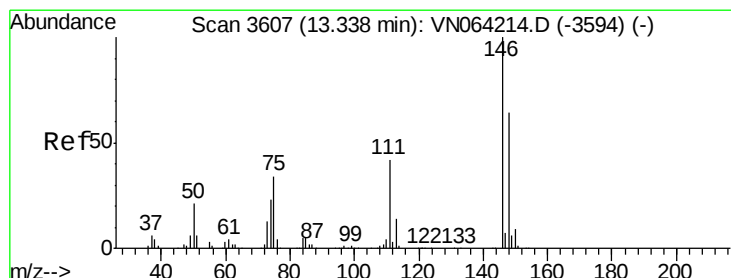
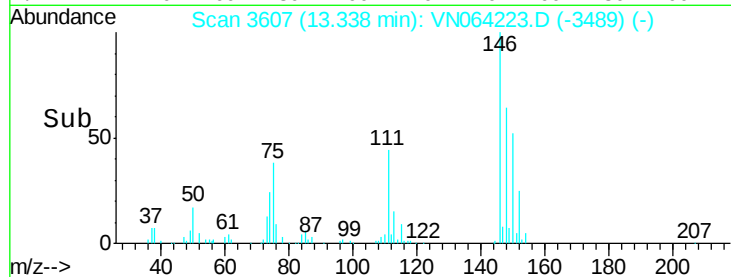
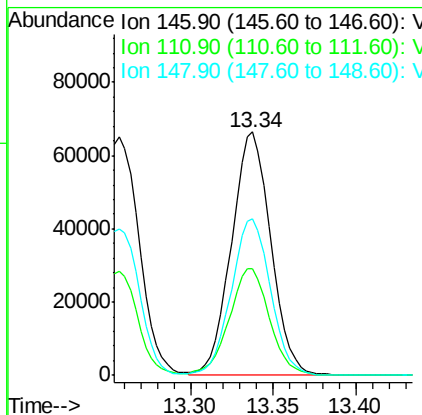
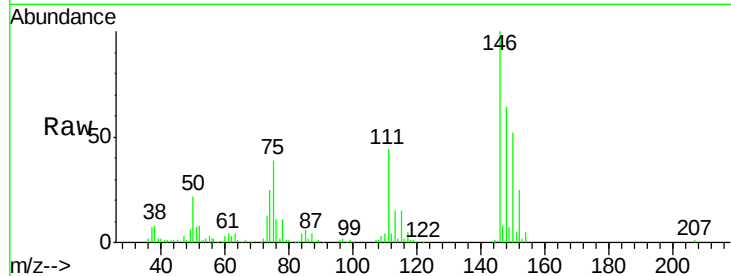
ClientSampleId :

VN1021WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.6	21.6	65.0
148	64.9	31.7	95.1

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#88

1,4-Dichlorobenzene

Concen: 18.605 ug/l

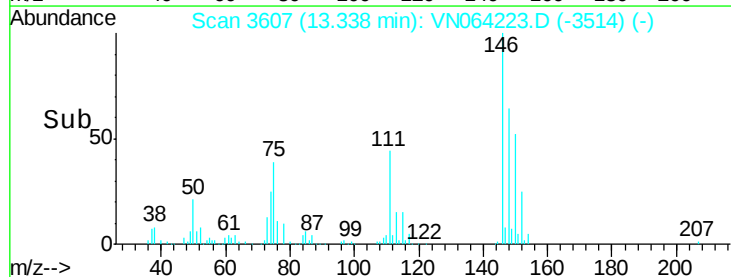
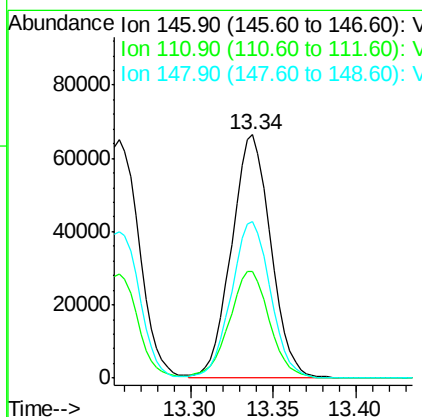
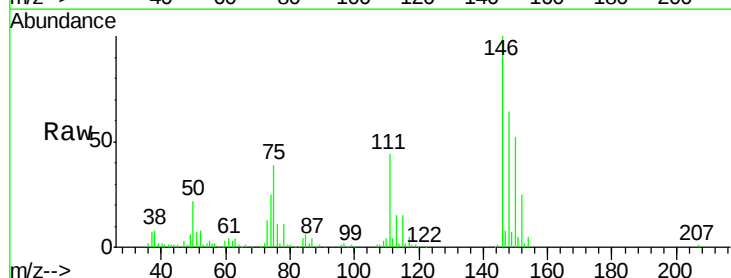
RT: 13.34 min Scan# 3607

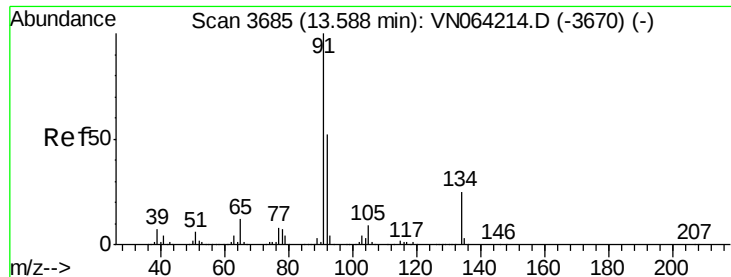
Delta R.T. -0.00 min

Lab File: VN064223.D

Acq: 21 Oct 2020 15:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.6	21.5	64.5
148	64.9	32.0	96.0





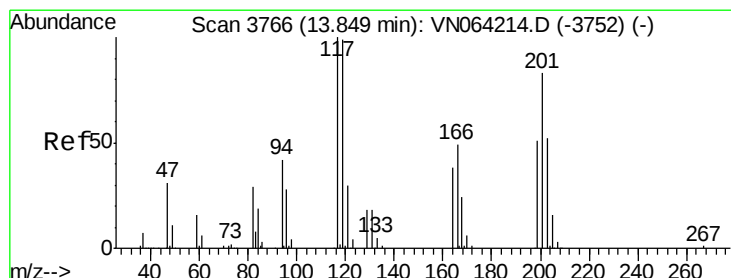
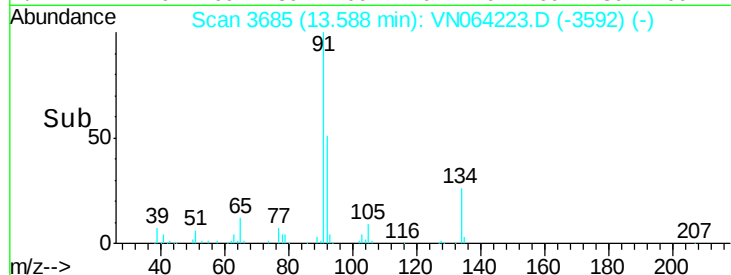
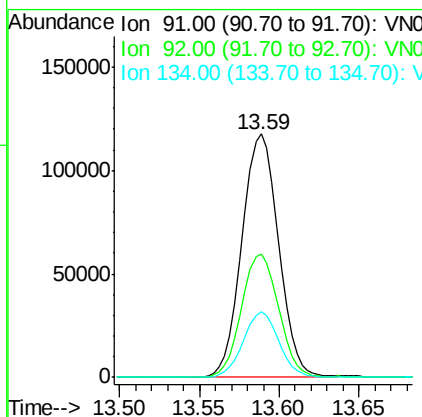
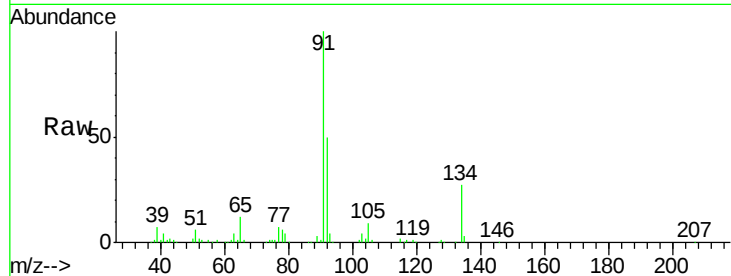
#89
n-Butylbenzene
Concen: 18.884 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064223.D
Acq: 21 Oct 2020 15:58

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	25.7	77.0
134	26.3	12.3	36.8

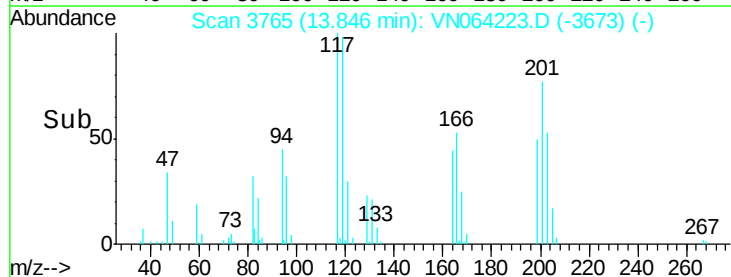
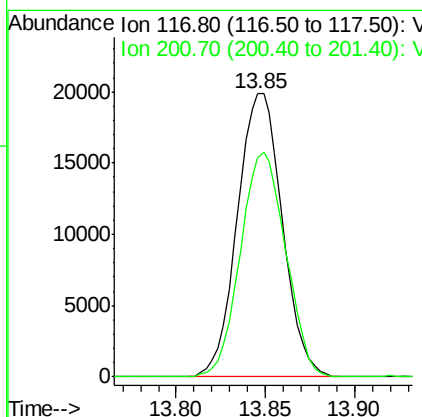
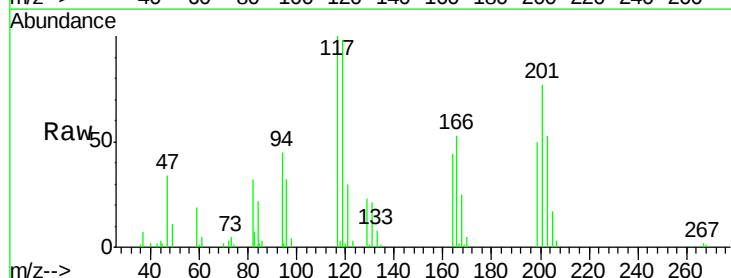
Manual Integrations
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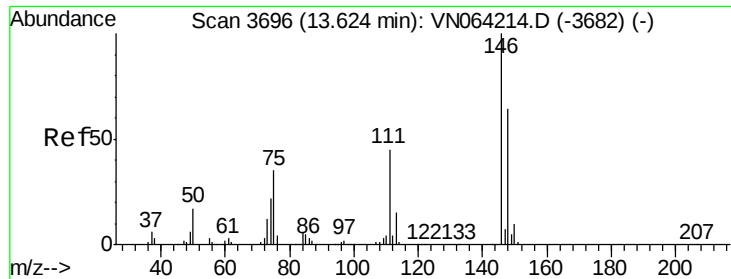
MMDadoda
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#90
Hexachloroethane
Concen: 17.802 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064223.D
Acq: 21 Oct 2020 15:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.0	40.1	120.3





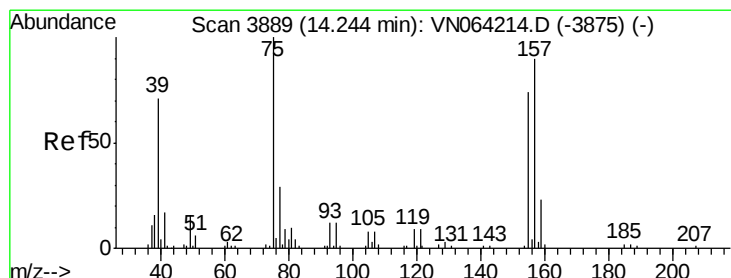
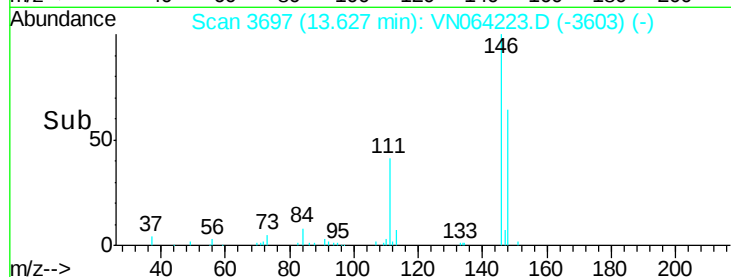
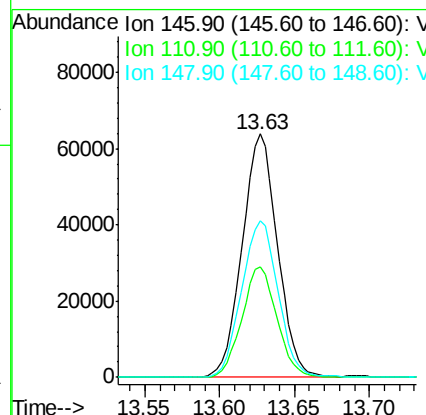
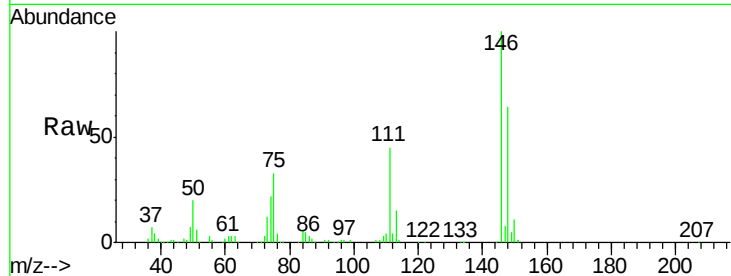
#91
 1,2-Dichlorobenzene
 Concen: 18.682 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064223.D
 Acq: 21 Oct 2020 15:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.9	68.7
148	66.1	31.9	95.5

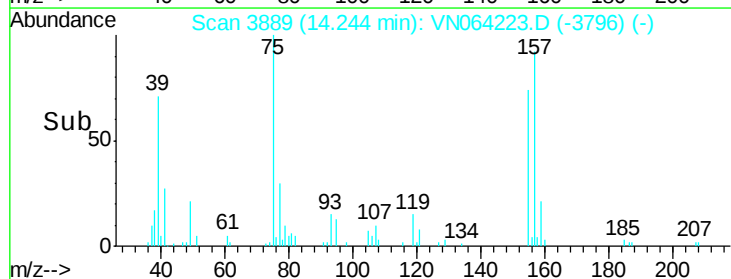
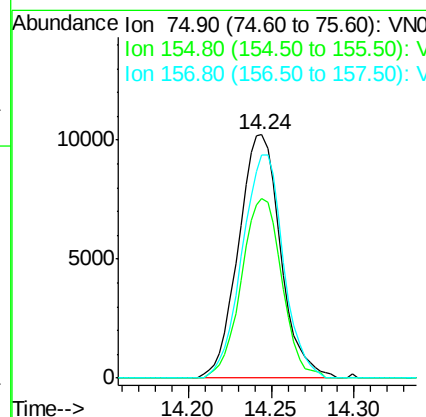
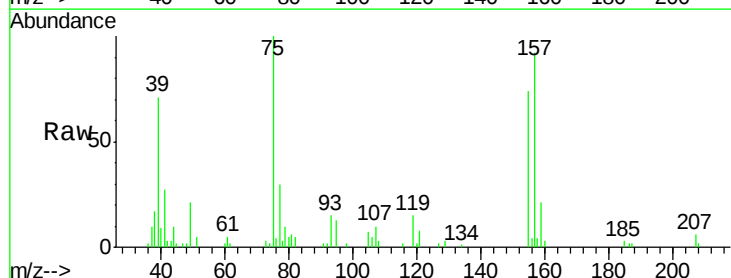
Manual Integrations
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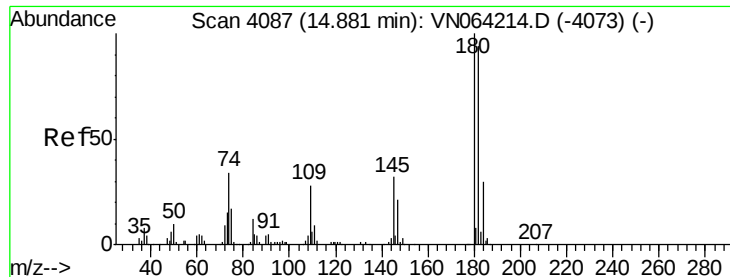
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.958 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN064223.D
 Acq: 21 Oct 2020 15:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.3	36.9	110.7
157	90.1	44.6	133.8





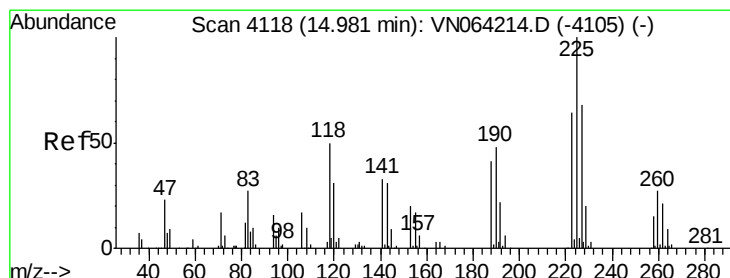
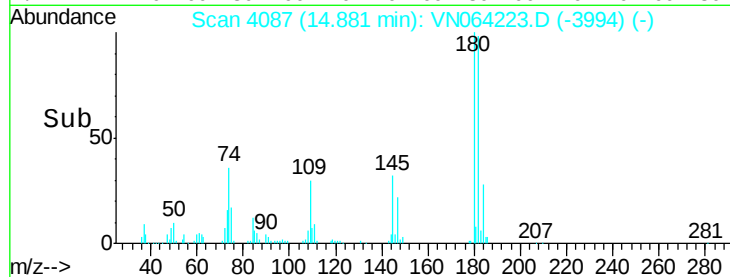
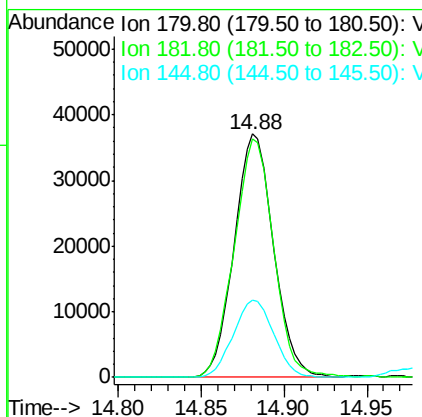
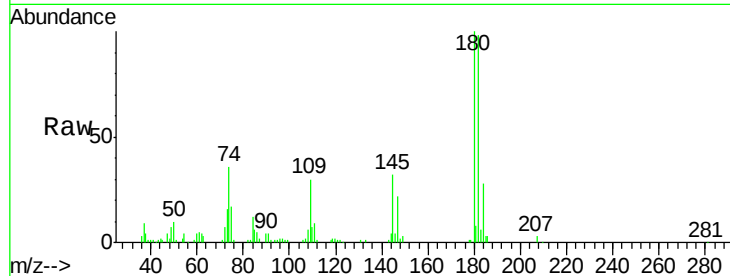
#93
 1,2,4-Trichlorobenzene
 Concen: 19.451 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064223.D
 Acq: 21 Oct 2020 15:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	61311		
182	98.1	46.9	140.7	
145	32.4	16.1	48.3	

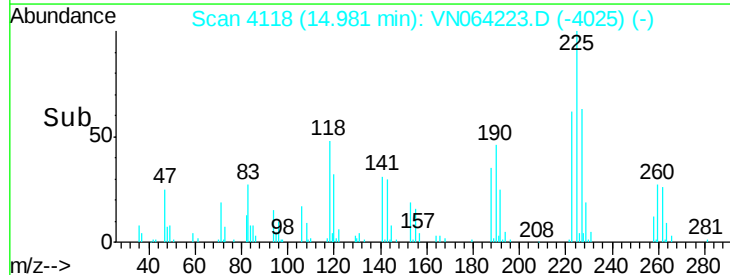
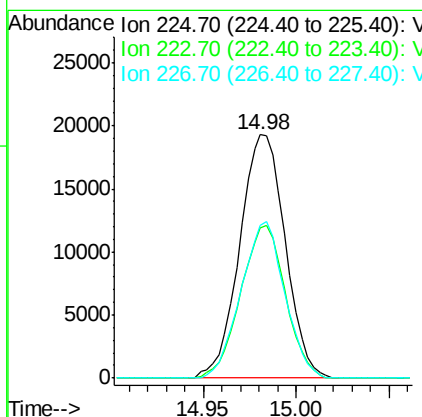
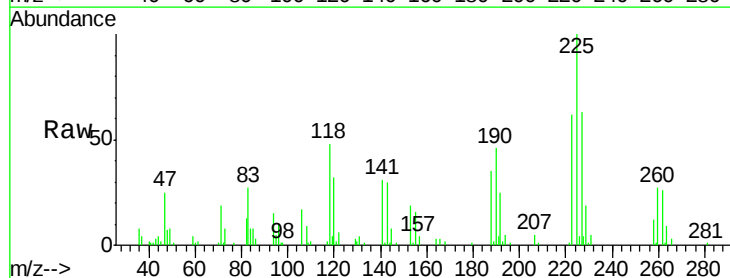
Manual Integrations
 APPROVED

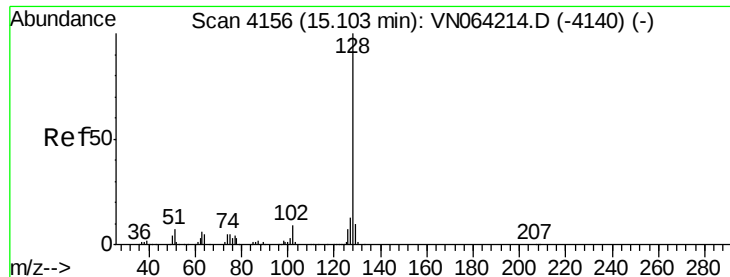
MMDadoda
 10/23/2020 2:10:10 PM



#94
 Hexachlorobutadiene
 Concen: 19.394 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064223.D
 Acq: 21 Oct 2020 15:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	32971		
223	61.8	31.5	94.5	
227	61.7	32.1	96.5	





#95

Naphthalene

Concen: 19.575 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN064223.D

Acq: 21 Oct 2020 15:58

Instrument :

MSVOA_N

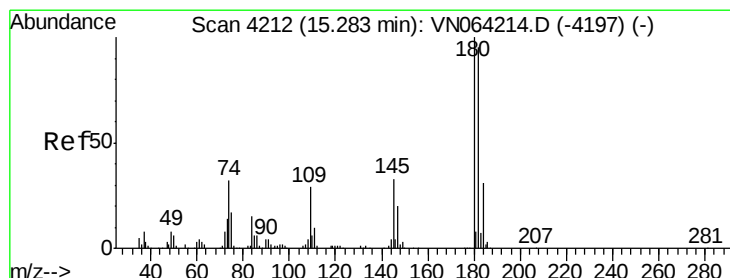
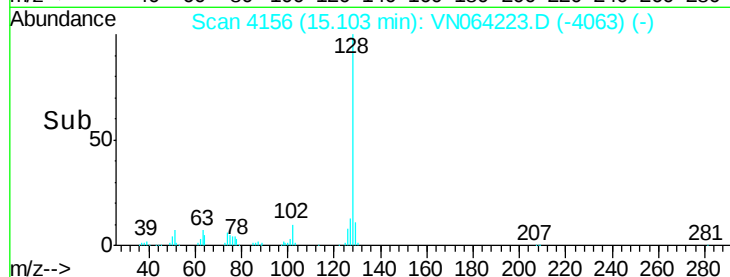
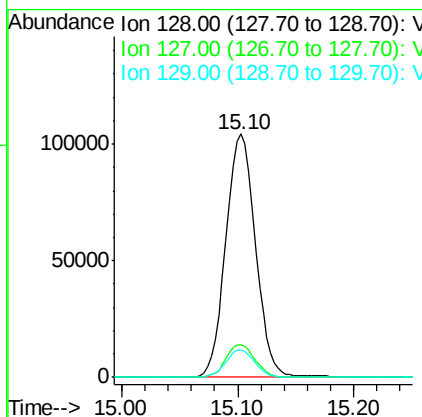
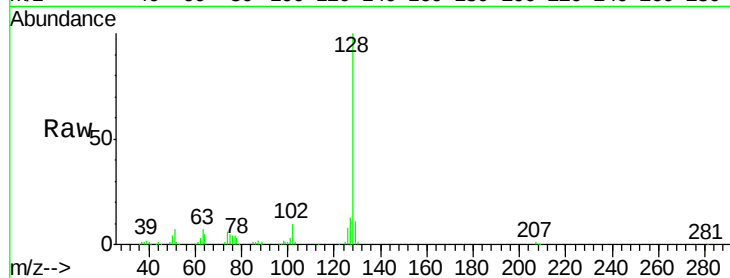
ClientSampleId :

VN1021WBSD01

Tot Ion:	128	Resp:	184778
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.5	15.7
129	11.1	8.6	12.8

Manual Integrations
APPROVED

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10/23/2020 2:10:10 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.378 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN064223.D

Acq: 21 Oct 2020 15:58

Tgt Ion:	180	Resp:	60497
Ion Ratio	Lower	Upper	
180	100		
182	96.0	48.0	144.2
145	32.3	17.1	51.3

