

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120420\
 Data File : VN064912.D
 Acq On : 4 Dec 2020 12:28
 Operator : JC/MD
 Sample : VN1204WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/7/2020 10:45:28 AM

Quant Time: Dec 05 01:56:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	245630	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	374138	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	337640	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	161961	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	138286	48.43	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.86%
35) Dibromofluoromethane	7.55	113	121620	54.33	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	108.66%
50) Toluene-d8	10.06	98	471237	51.52	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	103.04%
62) 4-Bromofluorobenzene	12.37	95	167715	51.23	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	102.46%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	33134	15.565	ug/l 96
3) Chloromethane	2.04	50	43366	15.676	ug/l 98
4) Vinyl Chloride	2.17	62	46684	16.186	ug/l 99
5) Bromomethane	2.53	94	32362	17.102	ug/l 96
6) Chloroethane	2.67	64	30430	17.058	ug/l 95
7) Trichlorofluoromethane	2.99	101	69807	17.509	ug/l 95
8) Diethyl Ether	3.37	74	27847	17.695	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.71	101	44453	18.587	ug/l 98
10) Methyl Iodide	3.90	142	48156	15.523	ug/l 99
11) Tert butyl alcohol	4.74	59	35113	78.845	ug/l 100
12) 1,1-Dichloroethene	3.69	96	41445	17.400	ug/l 98
13) Acrolein	3.56	56	14355	52.772	ug/l 98
14) Allyl chloride	4.27	41	67525	17.188	ug/l 98
15) Acrylonitrile	4.93	53	104966	85.320	ug/l 100
16) Acetone	3.78	43	75840	80.791	ug/l 96
17) Carbon Disulfide	4.01	76	98837	16.075	ug/l 99
18) Methyl Acetate	4.28	43	49188	17.428	ug/l 99
19) Methyl tert-butyl Ether	4.99	73	134586	17.618	ug/l 96
20) Methylene Chloride	4.50	84	50722	17.243	ug/l 98
21) trans-1,2-Dichloroethene	4.98	96	45700	17.277	ug/l 98
22) Diisopropyl ether	5.90	45	144578	18.387	ug/l 97
23) Vinyl Acetate	5.84	43	553528	88.029	ug/l 100
24) 1,1-Dichloroethane	5.79	63	84625	18.008	ug/l 99
25) 2-Butanone	6.78	43	130081	85.483	ug/l 98
26) 2,2-Dichloropropane	6.78	77	72952	17.899	ug/l 99
27) cis-1,2-Dichloroethene	6.78	96	52610	17.676	ug/l 100
28) Bromochloromethane	7.15	49	42938	19.973	ug/l 97
29) Tetrahydrofuran	7.17	42	86776	82.610	ug/l 98
30) Chloroform	7.33	83	87208	17.995	ug/l 100
31) Cyclohexane	7.61	56	67717	17.014	ug/l 94
32) 1,1,1-Trichloroethane	7.52	97	77286	18.568	ug/l 97
36) 1,1-Dichloropropene	7.75	75	63167	18.215	ug/l 99
37) Ethyl Acetate	6.88	43	55886	16.730	ug/l 99
38) Carbon Tetrachloride	7.73	117	66221	18.352	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	62303	16.689	ug/l	99
40) Benzene	8.00	78	192509	18.115	ug/l	96
41) Methacrylonitrile	7.12	41	25384	16.468	ug/l	94
42) 1,2-Dichloroethane	8.08	62	64727	18.055	ug/l	99
43) Isopropyl Acetate	8.12	43	92662	17.238	ug/l	100
44) Trichloroethene	8.80	130	55263	17.625	ug/l	99
45) 1,2-Dichloropropane	9.08	63	50629	18.397	ug/l	99
46) Dibromomethane	9.17	93	33713	18.337	ug/l	99
47) Bromodichloromethane	9.37	83	67370	18.211	ug/l	99
48) Methyl methacrylate	9.16	41	44335	17.261	ug/l	99
49) 1,4-Dioxane	9.16	88	16225	334.224	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	282224	87.456	ug/l	99
52) Toluene	10.12	92	121221	18.523	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	72733	17.652	ug/l	97
54) cis-1,3-Dichloropropene	9.80	75	82565	18.695	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	49876	18.533	ug/l	96
56) Ethyl methacrylate	10.40	69	66616	17.938	ug/l	98
57) 1,3-Dichloropropane	10.68	76	81500	18.359	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	177366	86.826	ug/l	99
59) 2-Hexanone	10.72	43	203973	87.827	ug/l	100
60) Dibromochloromethane	10.87	129	55199	18.452	ug/l	98
61) 1,2-Dibromoethane	10.97	107	49998	18.287	ug/l	98
64) Tetrachloroethene	10.60	164	59862	18.223	ug/l	97
65) Chlorobenzene	11.41	112	135373	18.670	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	50871	19.091	ug/l	98
67) Ethyl Benzene	11.48	91	223394	18.443	ug/l	99
68) m/p-Xylenes	11.59	106	177097	38.617	ug/l	98
69) o-Xylene	11.92	106	82378	18.929	ug/l	99
70) Styrene	11.94	104	143018	19.467	ug/l	98
71) Bromoform	12.10	173	37684	17.706	ug/l #	100
73) Isopropylbenzene	12.22	105	218955	19.436	ug/l	99
74) N-amyl acetate	12.04	43	76766	17.315	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	60682	18.378	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	61821m	17.724	ug/l	
77) Bromobenzene	12.50	156	58357	19.214	ug/l	98
78) n-propylbenzene	12.56	91	245271	19.112	ug/l	98
79) 2-Chlorotoluene	12.65	91	148614	18.734	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	186670	19.935	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	22183	17.431	ug/l	93
82) 4-Chlorotoluene	12.75	91	160394	19.289	ug/l	100
83) tert-Butylbenzene	12.97	119	153819	19.598	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	190209	20.091	ug/l	99
85) sec-Butylbenzene	13.14	105	202390	19.421	ug/l	99
86) p-Isopropyltoluene	13.26	119	182633	19.250	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	101659	18.840	ug/l	99
88) 1,4-Dichlorobenzene	13.33	146	102876	18.028	ug/l	98
89) n-Butylbenzene	13.59	91	150235	18.031	ug/l	99
90) Hexachloroethane	13.85	117	32650	19.810	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	100242	18.920	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	11624	15.645	ug/l	94

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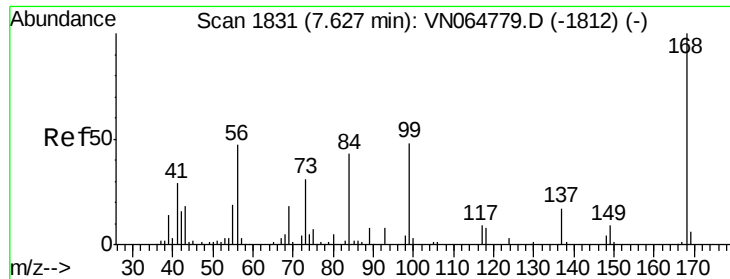
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	54037	16.487	ug/l	100
94) Hexachlorobutadiene	14.98	225	27299	18.731	ug/l	97
95) Naphthalene	15.10	128	149453	15.220	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	49762	16.924	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.01 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBS01

Tot Ion:168 Resp: 245630

Ion Ratio Lower Upper

168 100

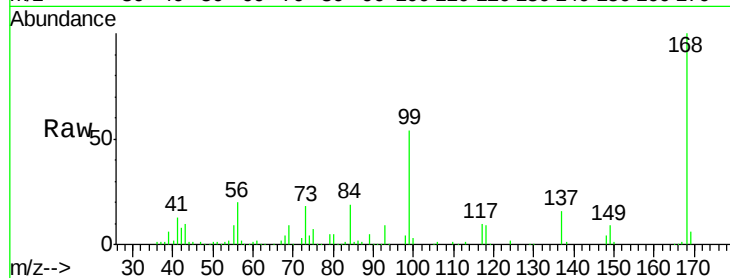
99 53.3 43.0 64.4

Manual Integrations

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12/7/2020 10:45:28 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

120000

100000

80000

60000

40000

20000

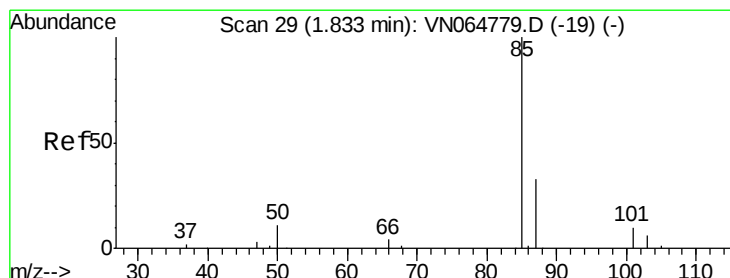
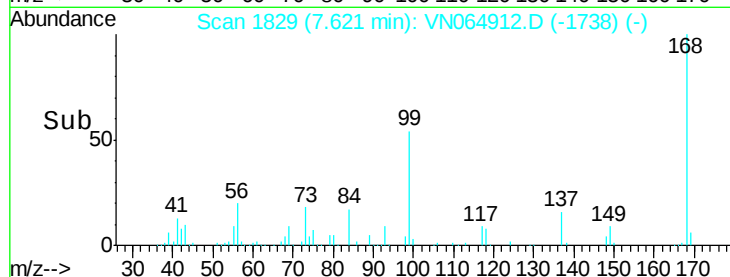
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 15.565 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064912.D

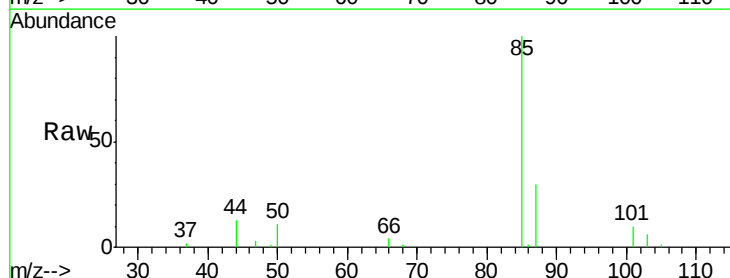
Acq: 4 Dec 2020 12:28

Tgt Ion: 85 Resp: 33134

Ion Ratio Lower Upper

85 100

87 30.5 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

30000

25000

20000

15000

10000

5000

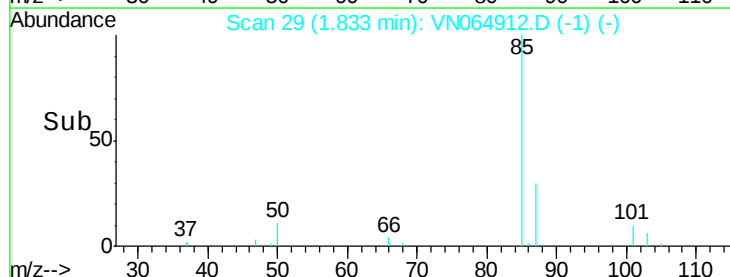
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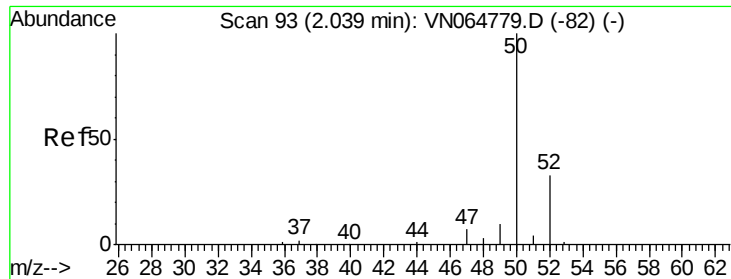
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 15.676 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBS01

Tot Ion: 50 Resp: 43366

Ion Ratio Lower Upper

50 100

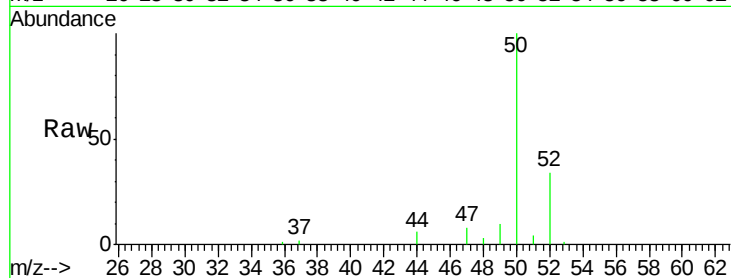
52 34.2 26.6 39.8

Manual Integrations

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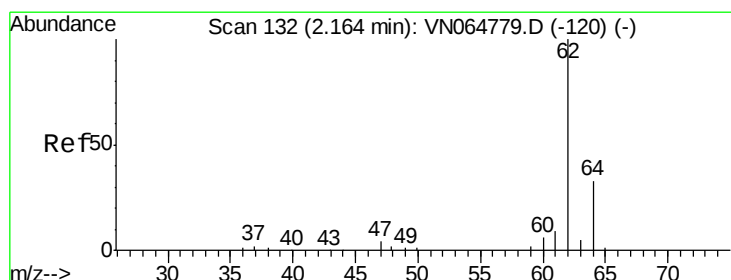
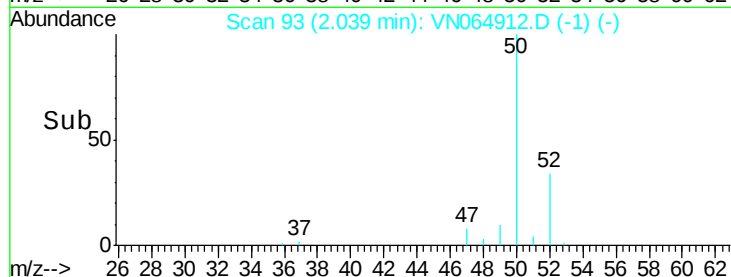
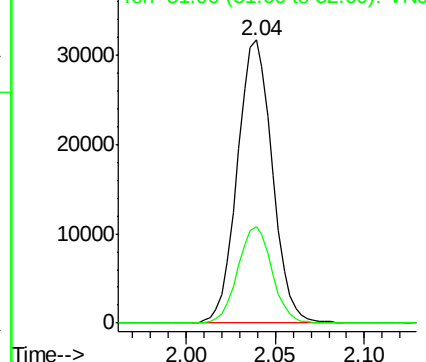
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 16.186 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064912.D

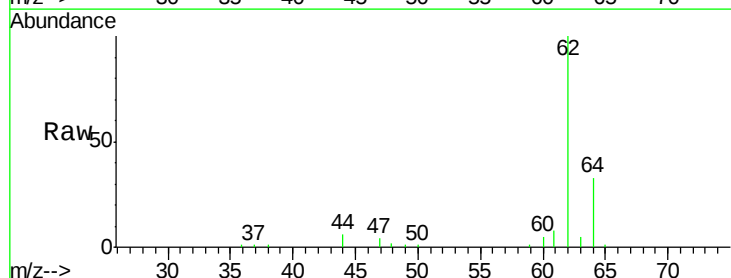
Acq: 4 Dec 2020 12:28

Tgt Ion: 62 Resp: 46684

Ion Ratio Lower Upper

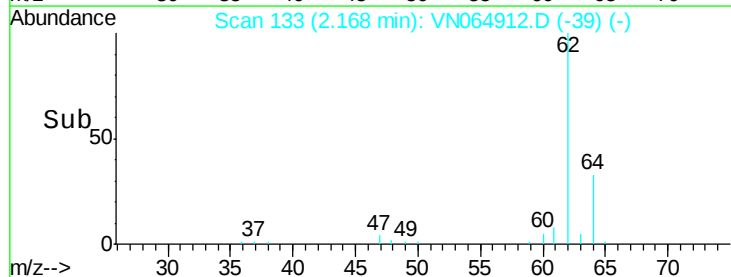
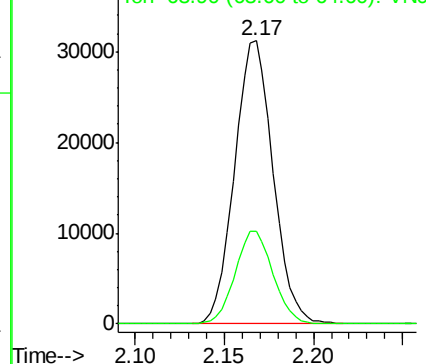
62 100

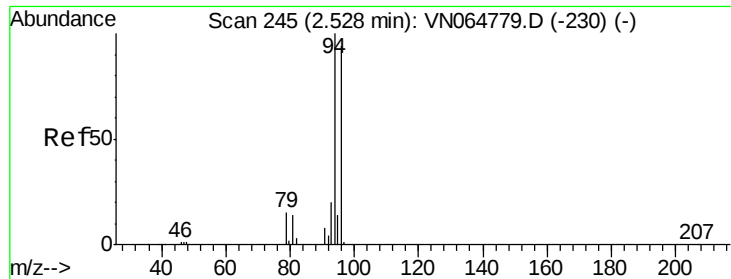
64 32.6 26.5 39.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 17.102 ug/l

RT: 2.53 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBS01

Tot Ion: 94 Resp: 32362

Ion Ratio Lower Upper

94 100

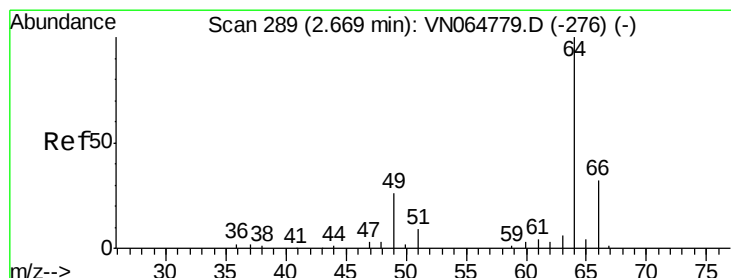
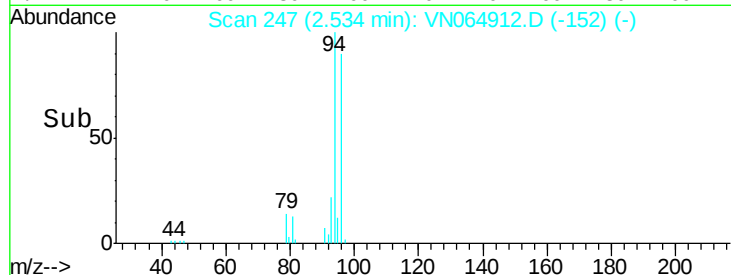
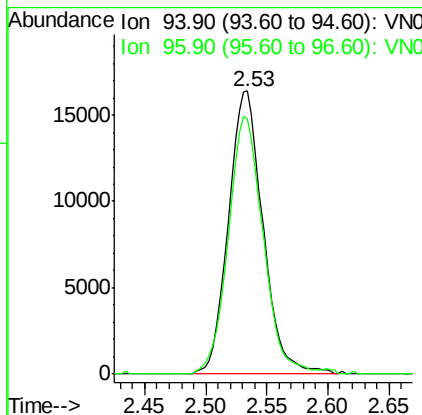
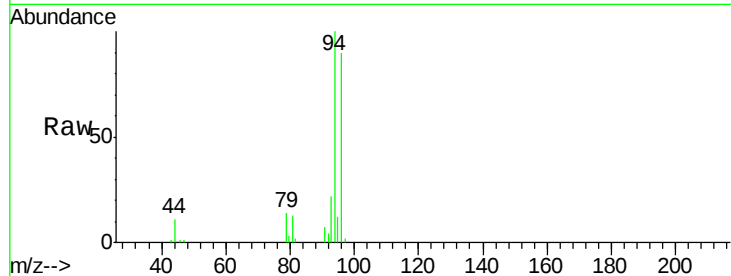
96 90.0 75.4 113.0

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#6

Chloroethane

Concen: 17.058 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN064912.D

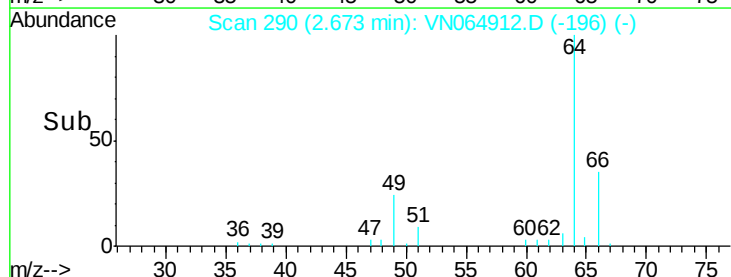
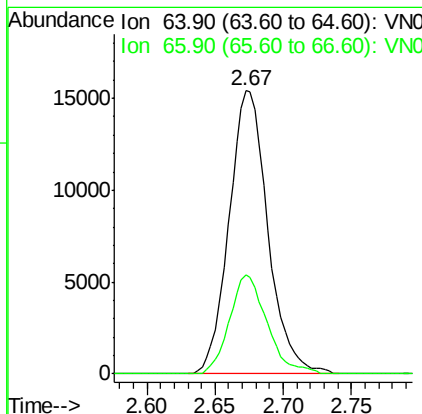
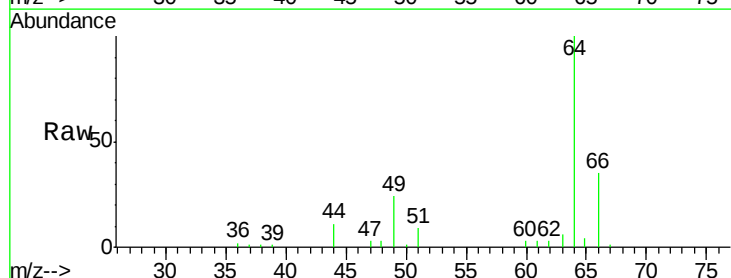
Acq: 4 Dec 2020 12:28

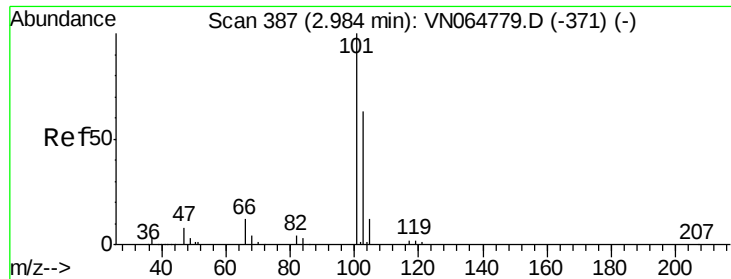
Tgt Ion: 64 Resp: 30430

Ion Ratio Lower Upper

64 100

66 34.8 25.6 38.4





#7

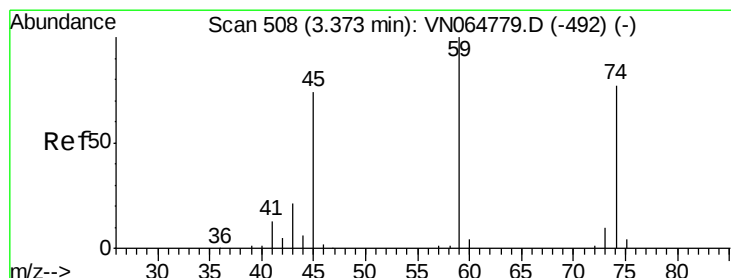
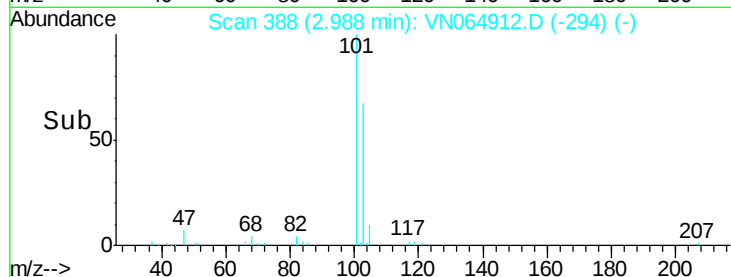
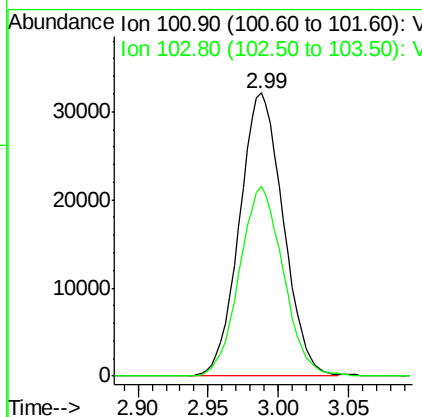
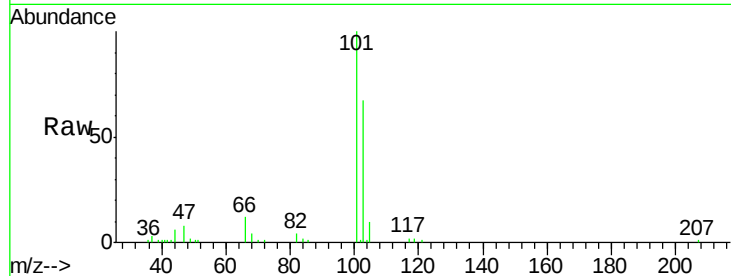
Trichlorofluoromethane
Concen: 17.509 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Instrument :
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ClientSampleId :
VN1204WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.1	50.5	75.7

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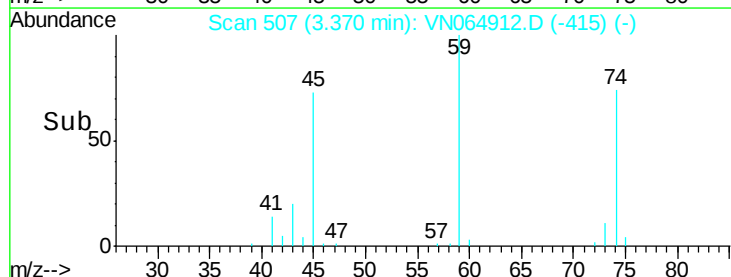
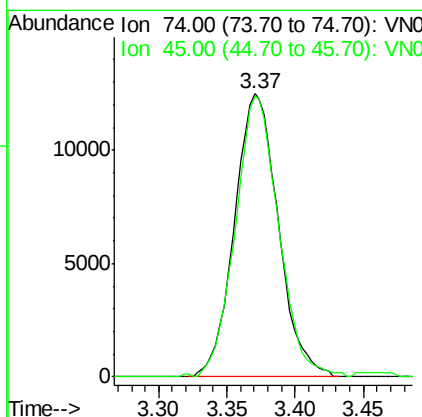
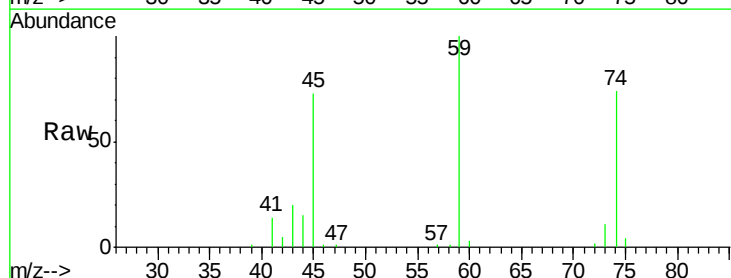
MMDadoda
12/7/2020 10:45:28 AM

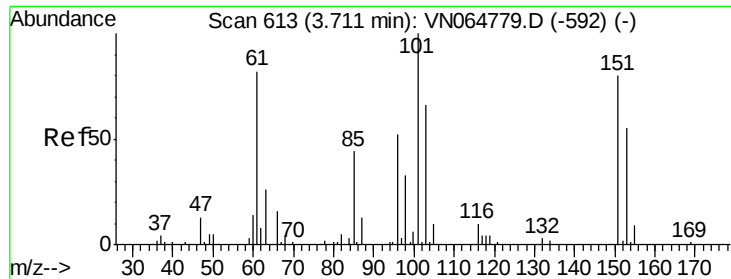


#8

Diethyl Ether
Concen: 17.695 ug/l
RT: 3.37 min Scan# 507
Delta R.T. -0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.9	48.9	146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.587 ug/l

RT: 3.71 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Instrument :

MSVOA_N

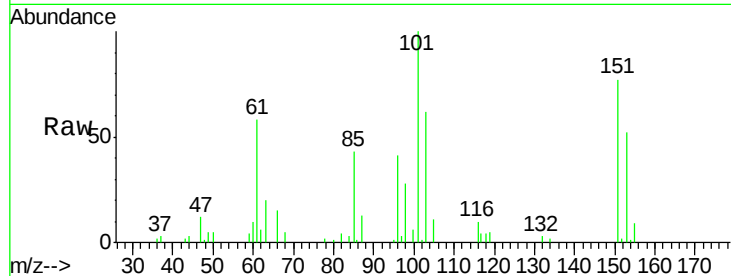
ClientSampleId :

VN1204WBS01

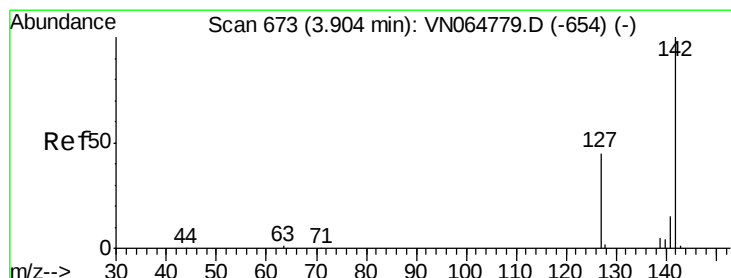
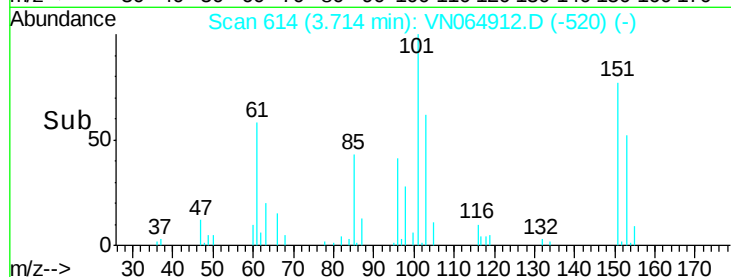
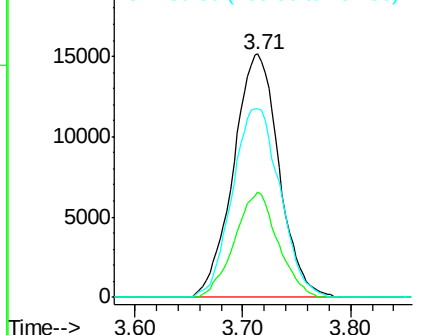
Tot Ion:	101	Resp:	44453
Ion Ratio	Lower	Upper	
101	100		
85	41.1	34.4	51.6
151	81.5	64.0	96.0

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.523 ug/l

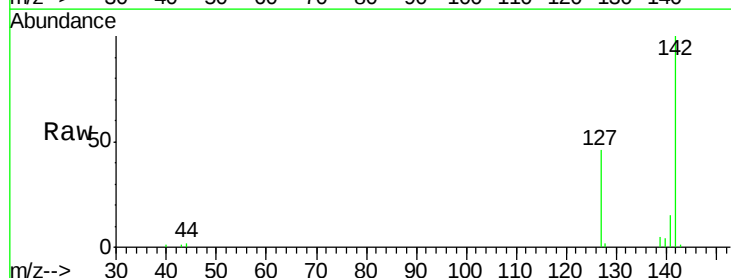
RT: 3.90 min Scan# 673

Delta R.T. 0.00 min

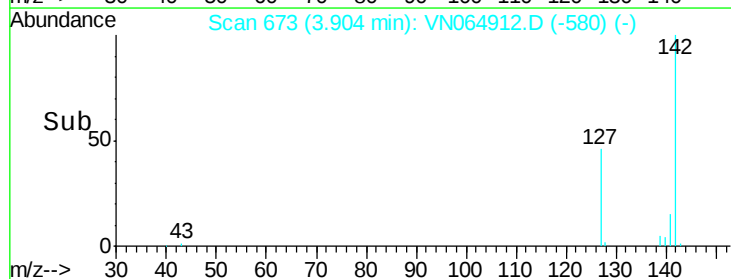
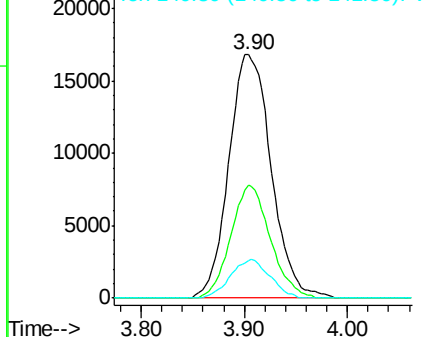
Lab File: VN064912.D

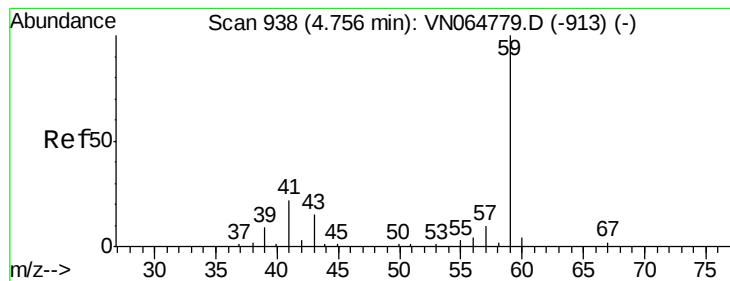
Acq: 4 Dec 2020 12:28

Tgt Ion:	142	Resp:	48156
Ion Ratio	Lower	Upper	
142	100		
127	43.1	35.0	52.6
141	14.7	11.8	17.6



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

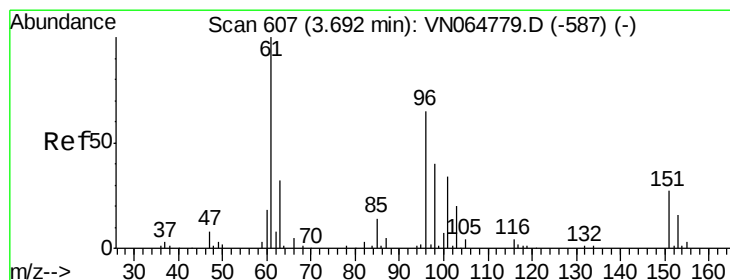
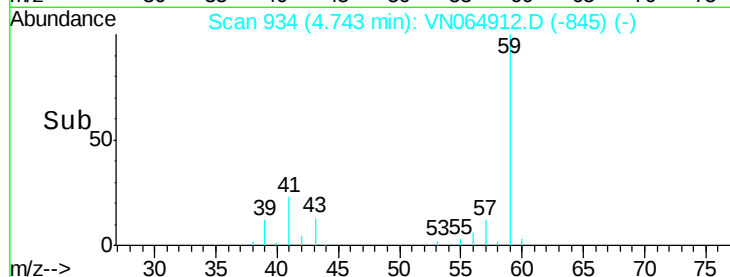
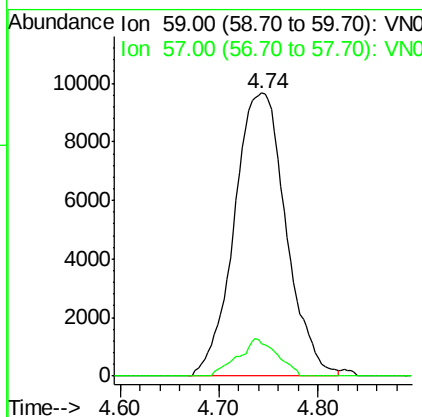
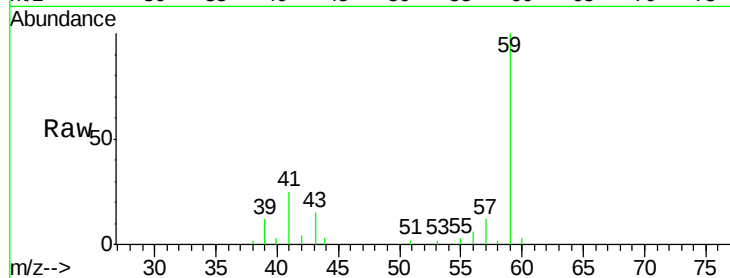
Tert butyl alcohol
 Concen: 78.845 ug/l
 RT: 4.74 min Scan# 934
 Delta R.T. -0.01 min
 Lab File: VN064912.D
 Acq: 4 Dec 2020 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.9	11.9

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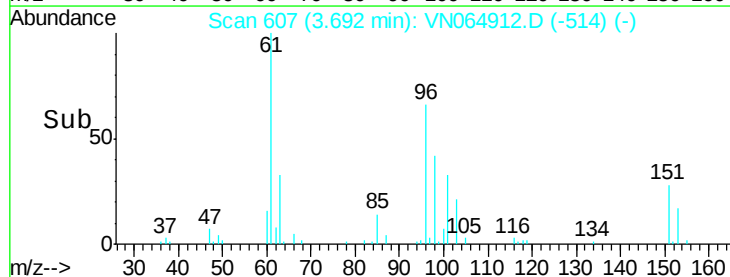
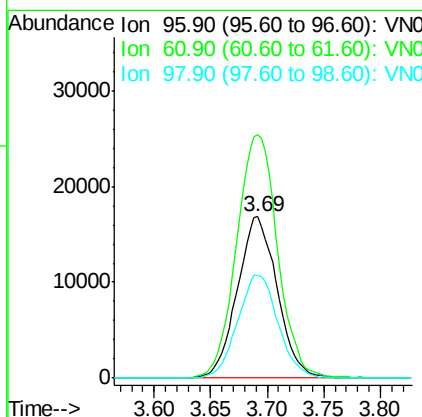
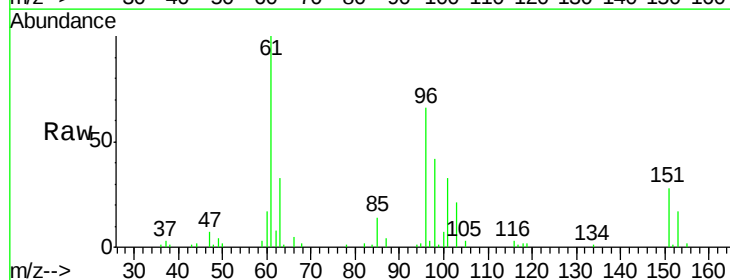
MMDadoda
 12/7/2020 10:45:28 AM

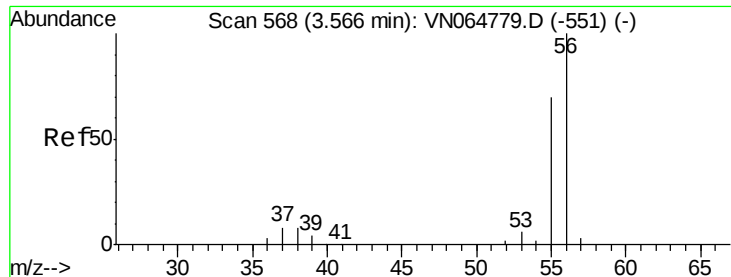


#12

1,1-Dichloroethene
 Concen: 17.400 ug/l
 RT: 3.69 min Scan# 607
 Delta R.T. 0.00 min
 Lab File: VN064912.D
 Acq: 4 Dec 2020 12:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.1	123.4	185.2
98	63.9	49.8	74.8





#13

Acrolein

Concen: 52.772 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBS01

Tot Ion: 56 Resp: 14355

Ion Ratio Lower Upper

56 100

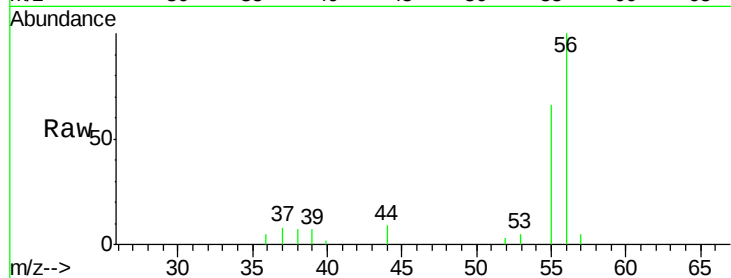
55 68.7 56.5 84.7

Manual Integrations

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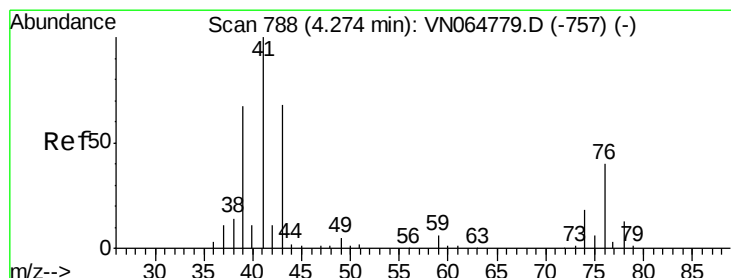
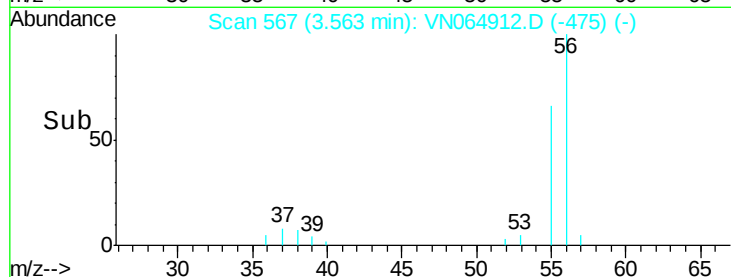
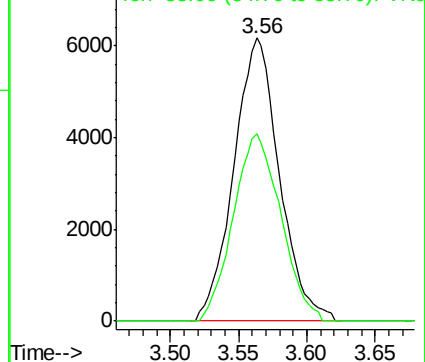
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 17.188 ug/l

RT: 4.27 min Scan# 787

Delta R.T. -0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

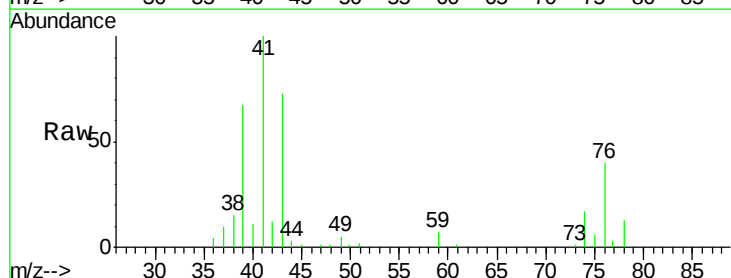
Tgt Ion: 41 Resp: 67525

Ion Ratio Lower Upper

41 100

39 61.3 50.9 76.3

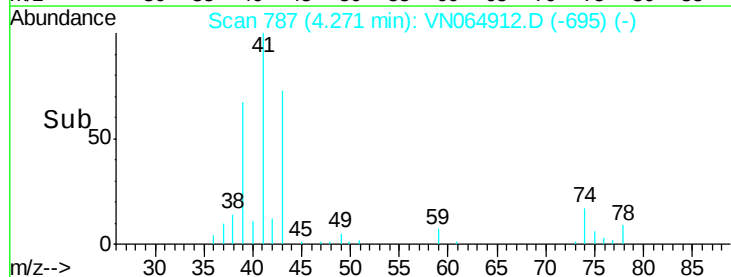
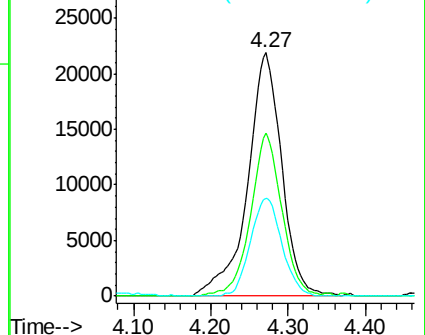
76 37.1 29.0 43.4

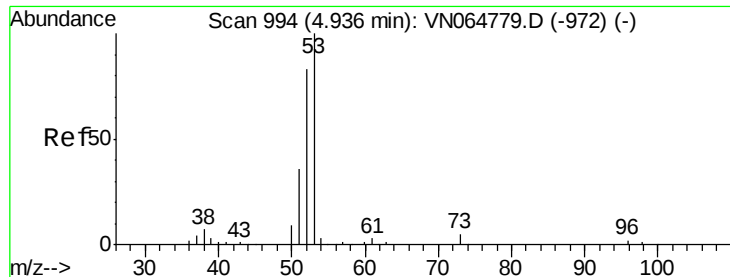


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 85.320 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.01 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Instrument :

MSVOA_N

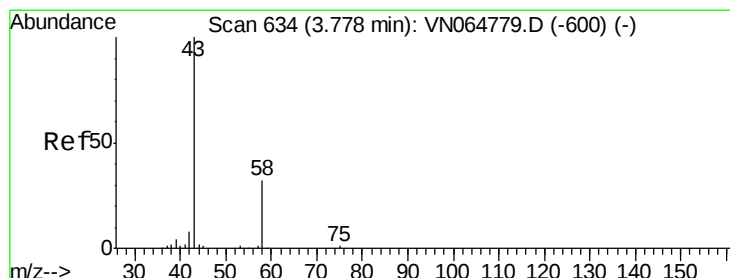
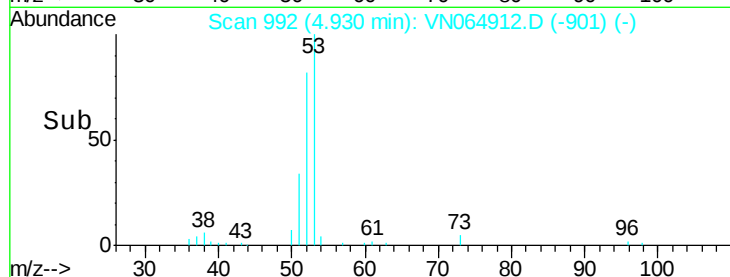
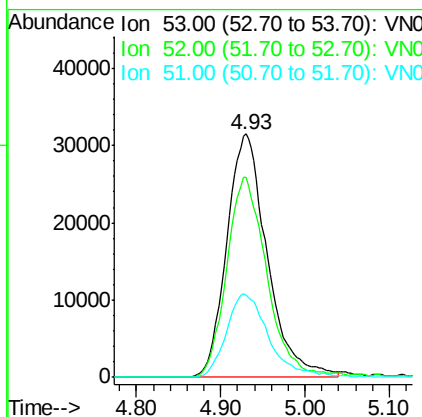
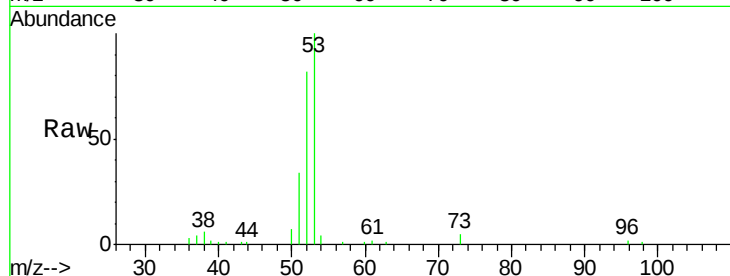
ClientSampleId :

VN1204WBS01

Tot Ion:	53	Resp:	104966
Ion Ratio	Lower	Upper	
53	100		
52	81.5	65.5	98.3
51	35.7	28.6	43.0

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#16

Acetone

Concen: 80.791 ug/l

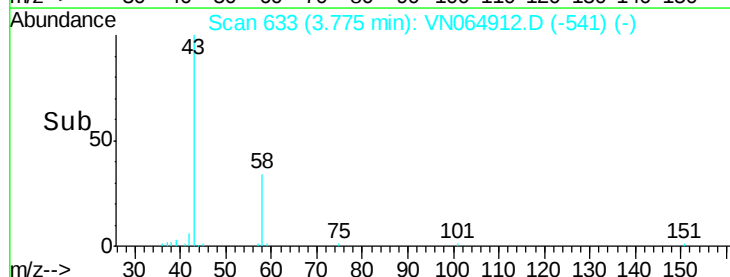
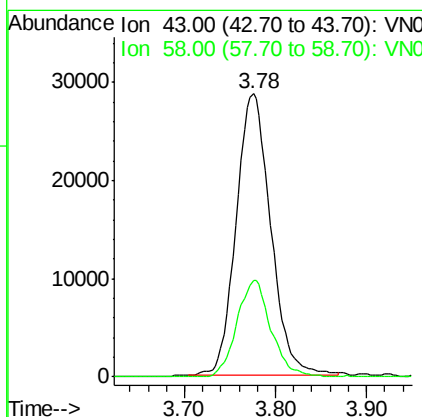
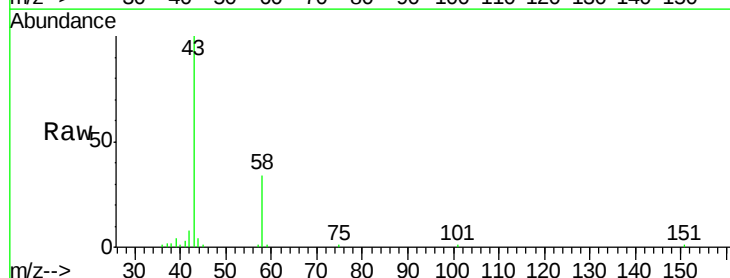
RT: 3.78 min Scan# 633

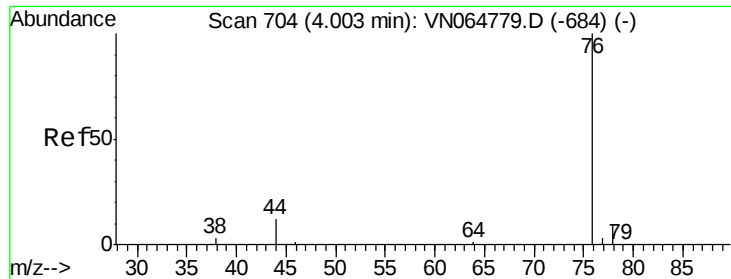
Delta R.T. -0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Tgt Ion:	43	Resp:	75840
Ion Ratio	Lower	Upper	
43	100		
58	34.3	25.7	38.5





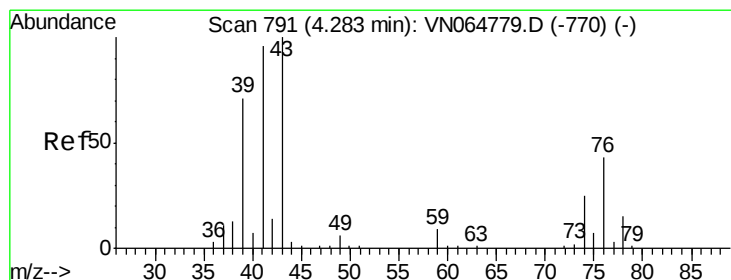
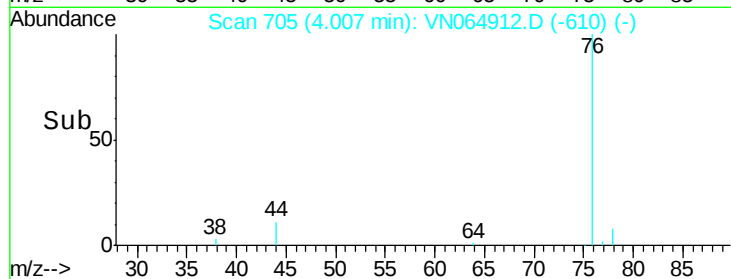
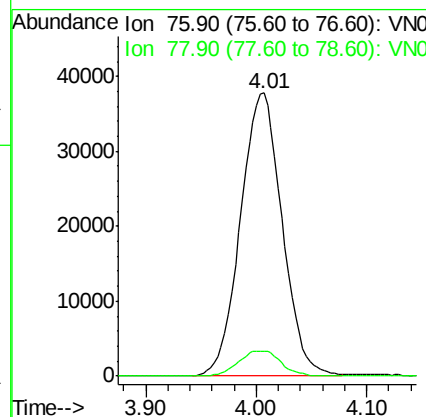
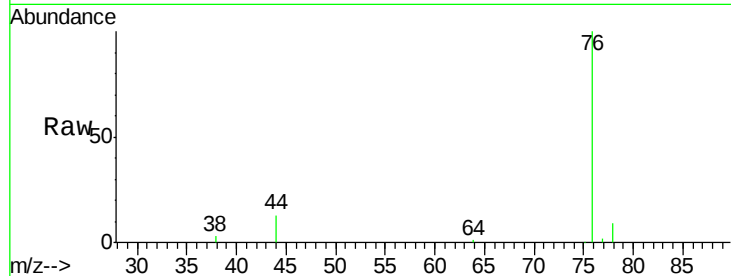
#17
Carbon Disulfide
Concen: 16.075 ug/l
RT: 4.01 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.0

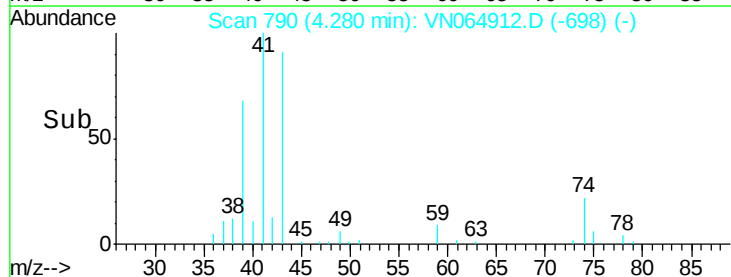
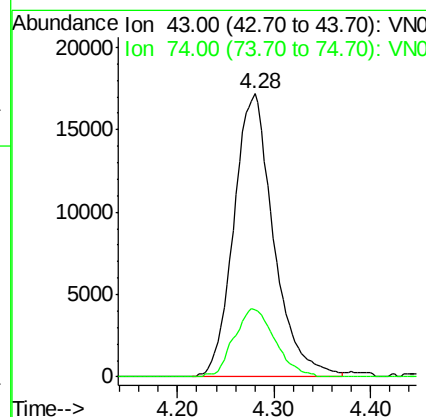
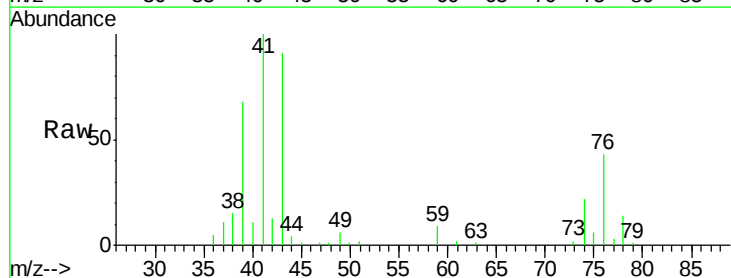
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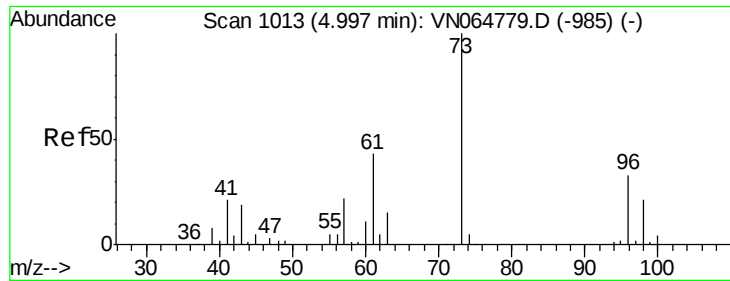
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#18
Methyl Acetate
Concen: 17.428 ug/l
RT: 4.28 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	20.2	30.2





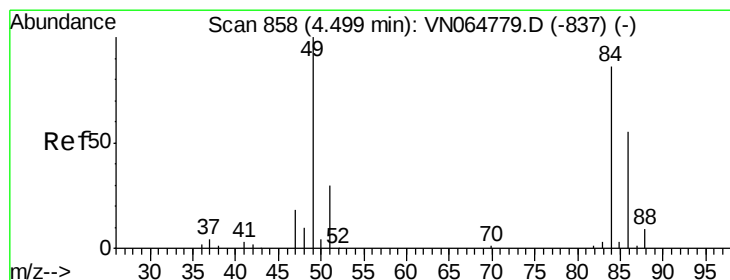
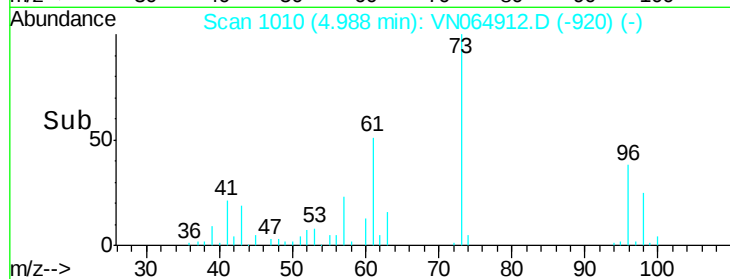
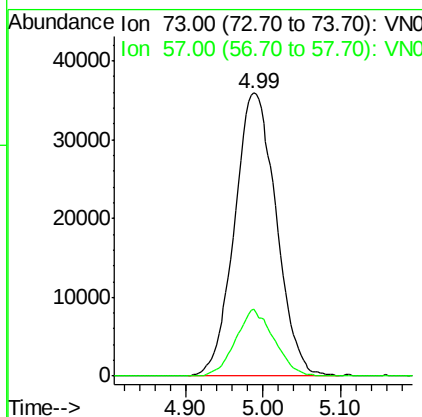
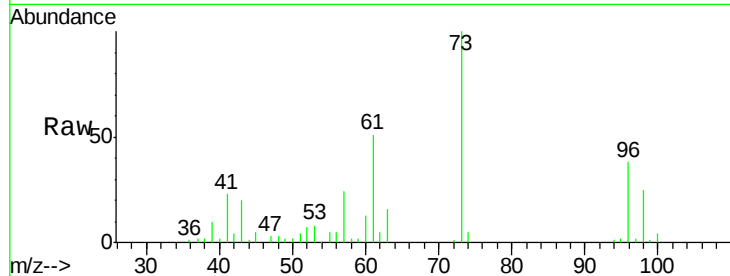
#19
Methvl tert-butvl Ether
Concen: 17.618 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tot Ion: 73 Resp: 134586
Ion Ratio Lower Upper
73 100
57 23.5 17.4 26.0

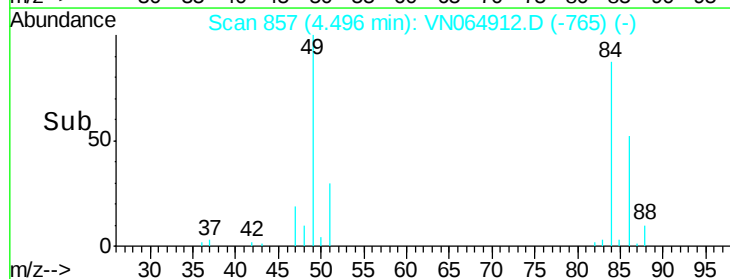
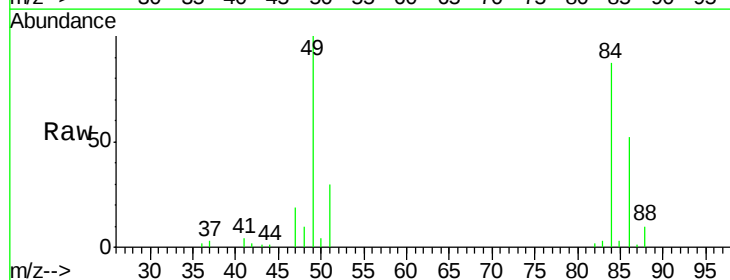
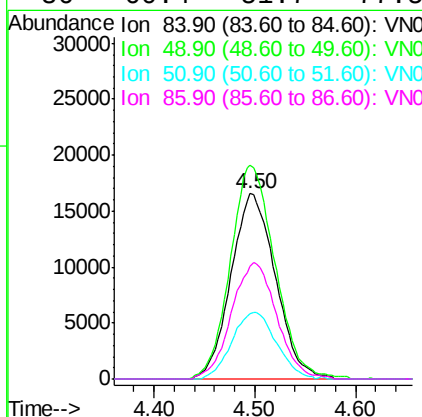
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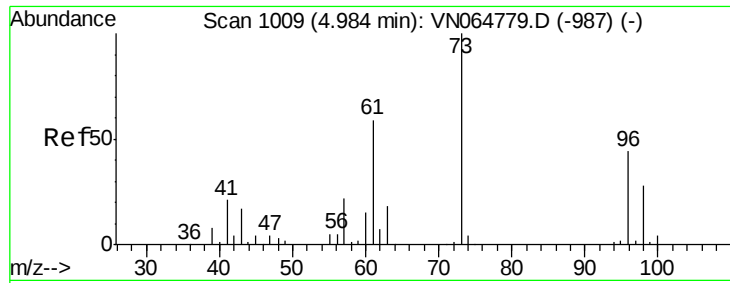
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#20
Methylene Chloride
Concen: 17.243 ug/l
RT: 4.50 min Scan# 857
Delta R.T. -0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Tgt Ion: 84 Resp: 50722
Ion Ratio Lower Upper
84 100
49 115.1 93.4 140.0
51 35.1 28.2 42.4
86 60.4 51.7 77.5





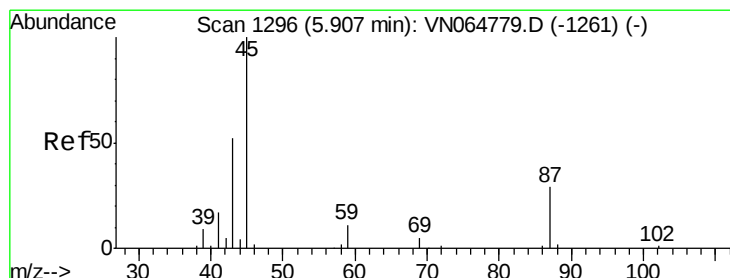
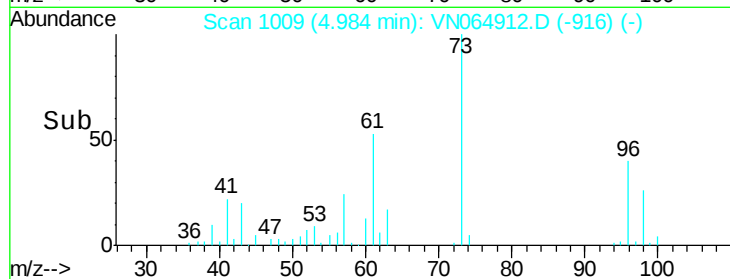
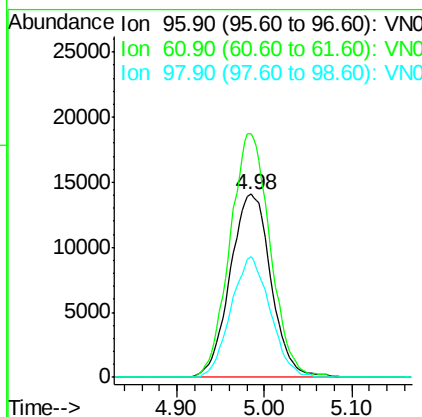
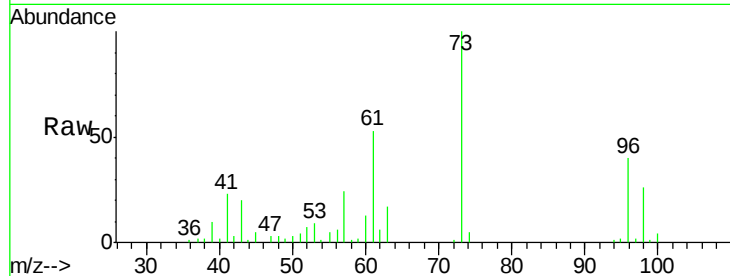
#21
trans-1,2-Dichloroethene
Concen: 17.277 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.1	108.4	162.6
98	66.0	51.3	76.9

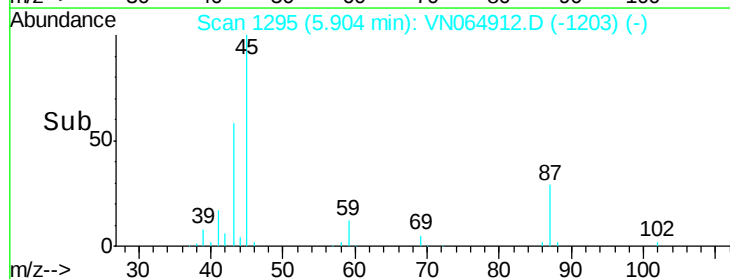
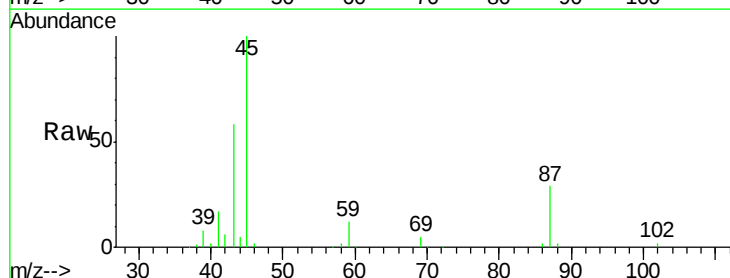
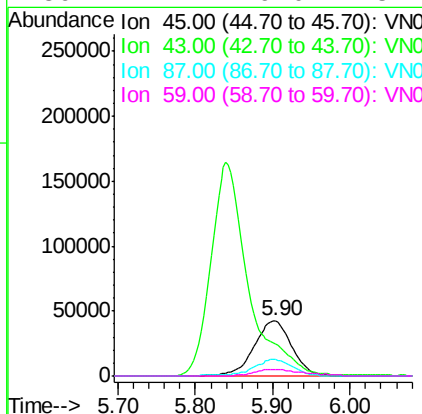
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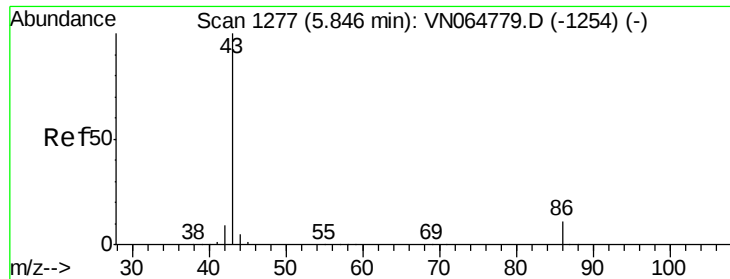
MMDadoda
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#22
Diisopropyl ether
Concen: 18.387 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.7	46.2	69.2
87	29.0	24.1	36.1
59	12.4	9.0	13.4





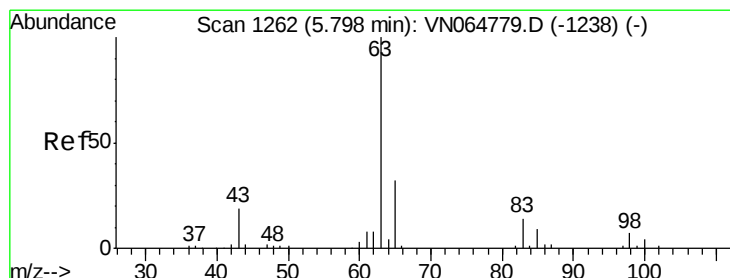
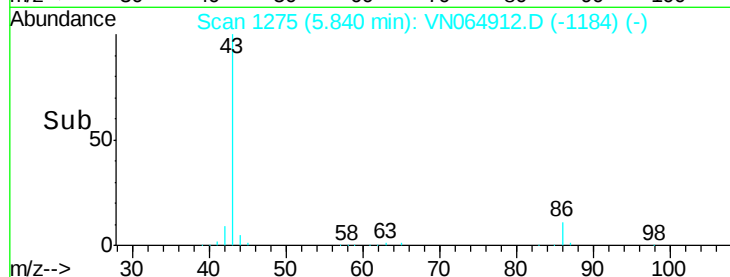
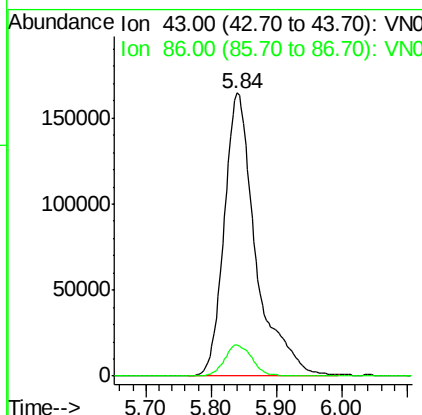
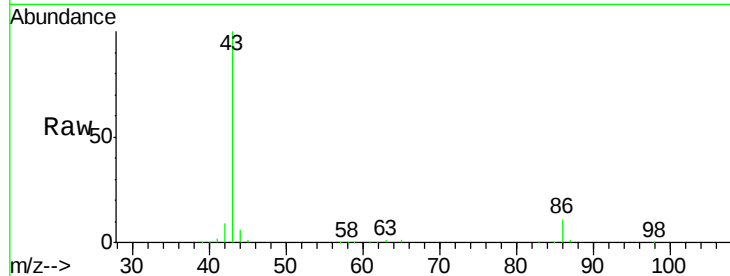
#23
 Vinyl Acetate
 Concen: 88.029 ug/l
 RT: 5.84 min Scan# 1275
 Delta R.T. -0.01 min
 Lab File: VN064912.D
 Acq: 4 Dec 2020 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBS01

Tot Ion	43	Resp	553528
Ion Ratio	Lower	Upper	
43	100		
86	11.1	8.9	13.3

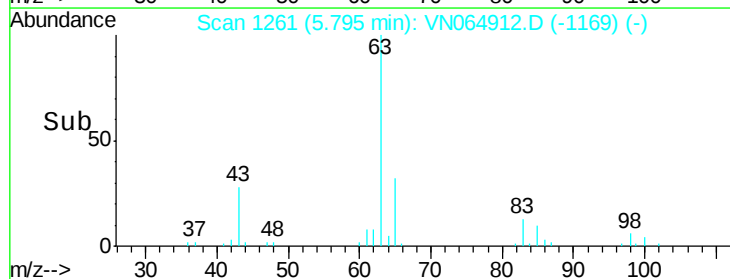
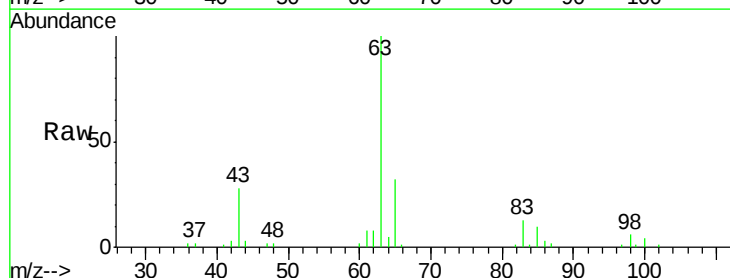
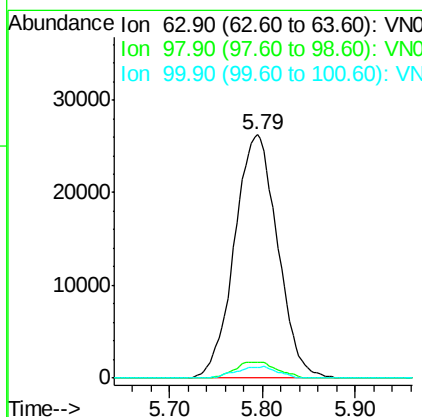
Manual Integrations
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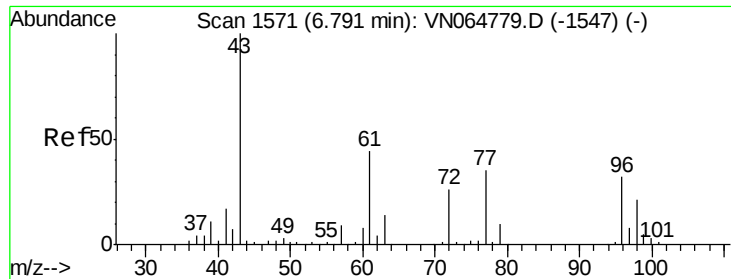
MMDadoda
 12/7/2020 10:45:28 AM



#24
 1,1-Dichloroethane
 Concen: 18.008 ug/l
 RT: 5.79 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN064912.D
 Acq: 4 Dec 2020 12:28

Tgt Ion	63	Resp	84625
Ion Ratio	Lower	Upper	
63	100		
98	6.5	3.5	10.5
100	4.5	2.3	6.8





#25

2-Butanone

Concen: 85.483 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Instrument :

MSVOA_N

ClientSampled :

VN1204WBS01

Tot Ion: 43 Resp: 130081

Ion Ratio Lower Upper

43 100

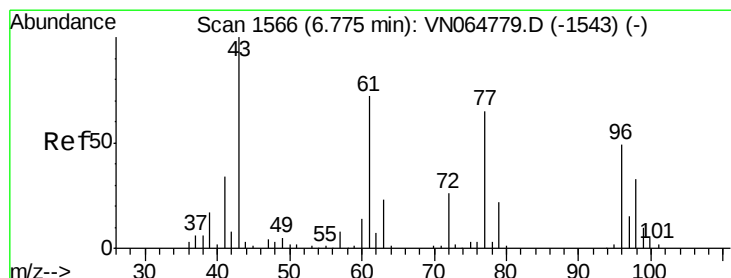
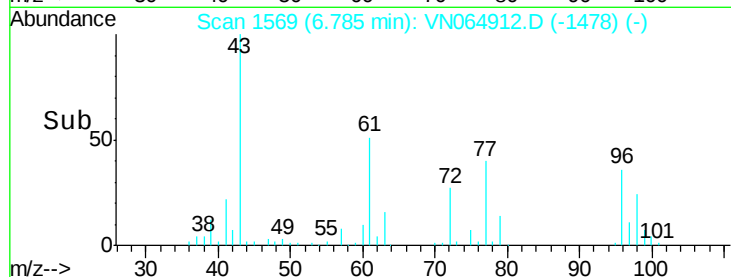
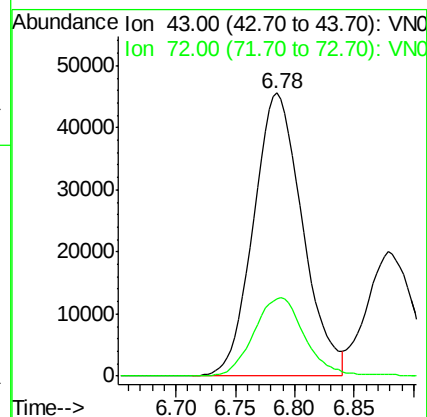
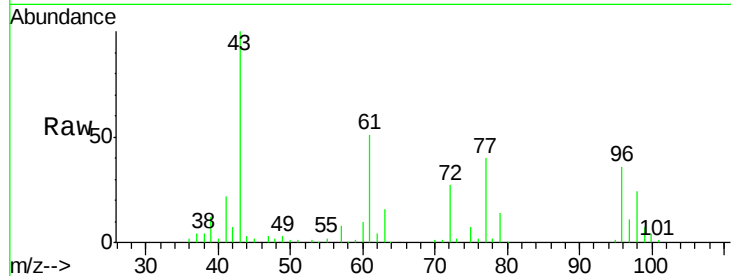
72 27.3 21.0 31.6

Manual Integrations

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MMDadoda

12/7/2020 10:45:28 AM



#26

2,2-Dichloropropane

Concen: 17.899 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN064912.D

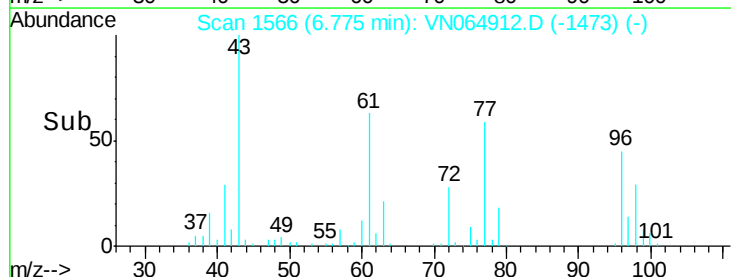
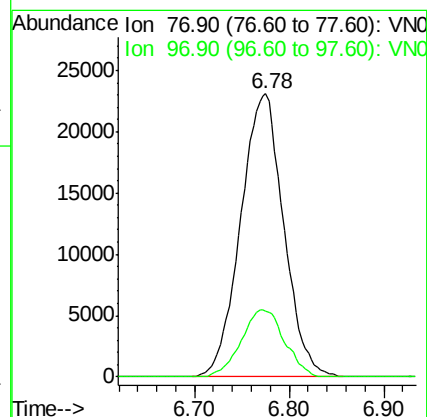
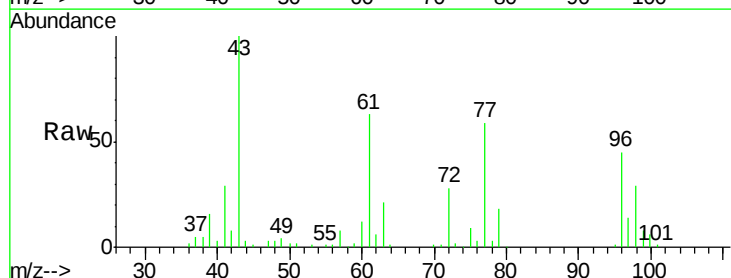
Acq: 4 Dec 2020 12:28

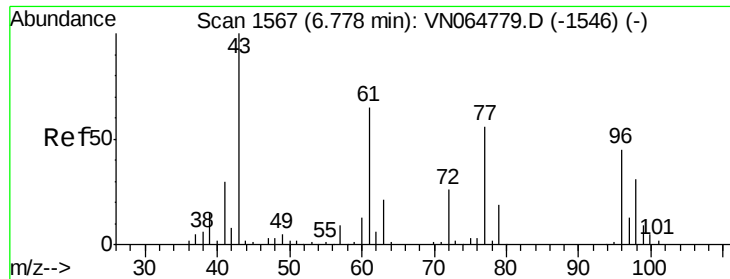
Tgt Ion: 77 Resp: 72952

Ion Ratio Lower Upper

77 100

97 23.7 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 17.676 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Instrument :

MSVOA_N

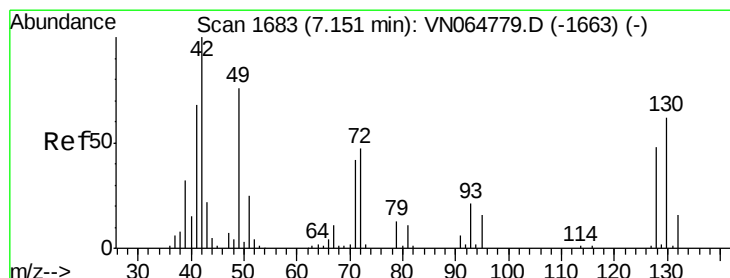
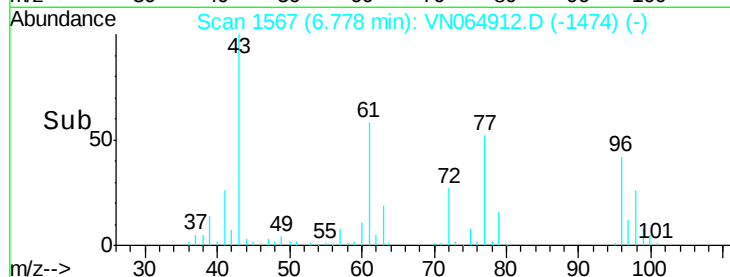
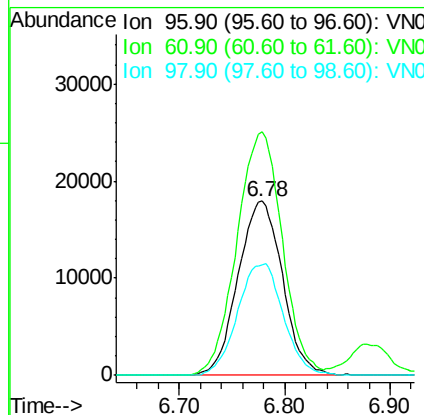
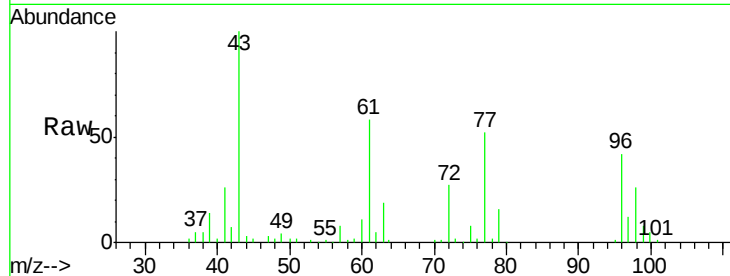
ClientSampleId :

VN1204WBS01

Tot Ion:	96	Resp:	52610
Ion	Ratio	Lower	Upper
96	100		
61	142.6	0.0	285.8
98	66.0	0.0	130.6

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#28

Bromochloromethane

Concen: 19.973 ug/l

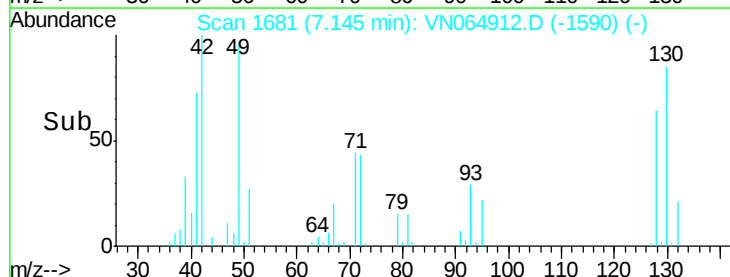
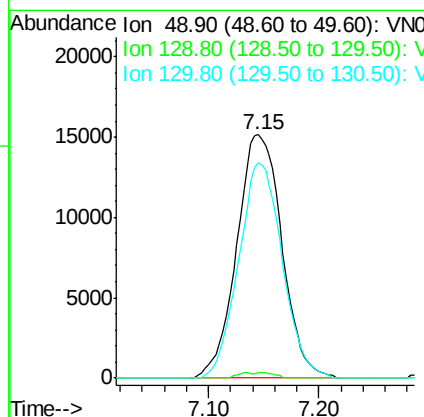
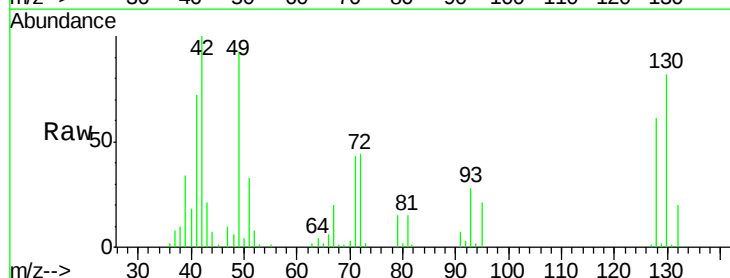
RT: 7.15 min Scan# 1681

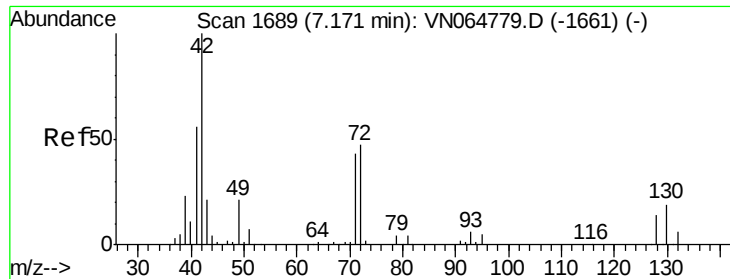
Delta R.T. -0.01 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Tgt Ion:	49	Resp:	42938
Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.8
130	85.6	66.2	99.2





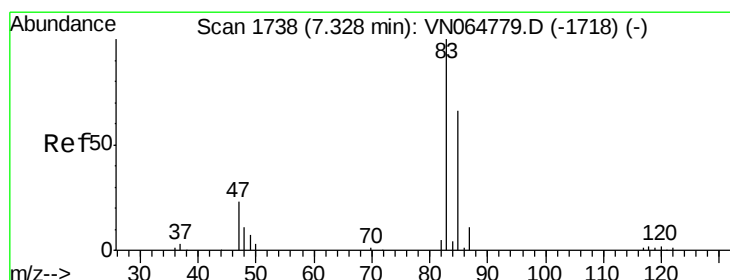
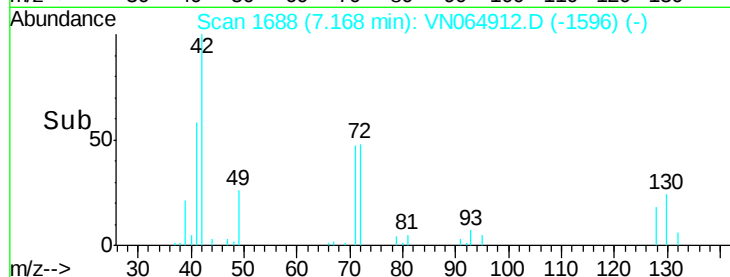
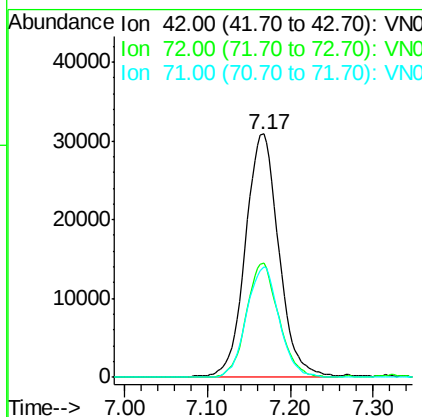
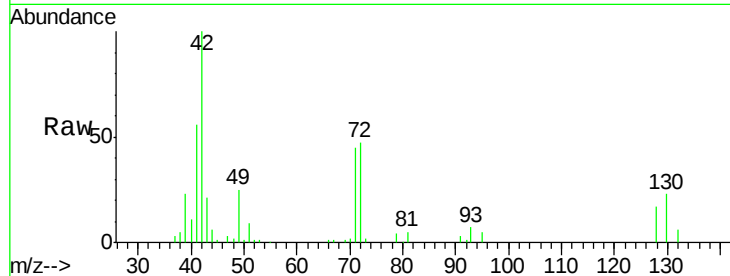
#29
Tetrahydrofuran
Concen: 82.610 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.2	36.6	54.8
71	44.1	33.6	50.4

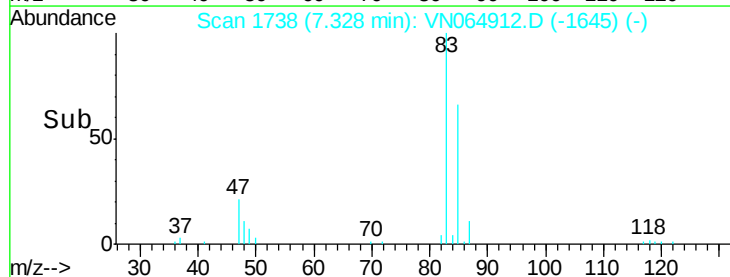
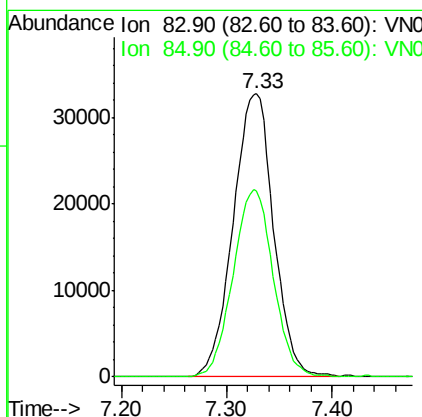
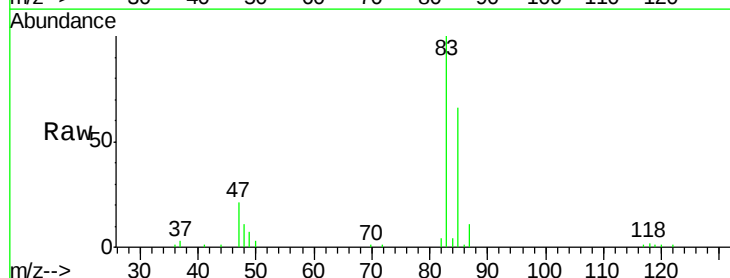
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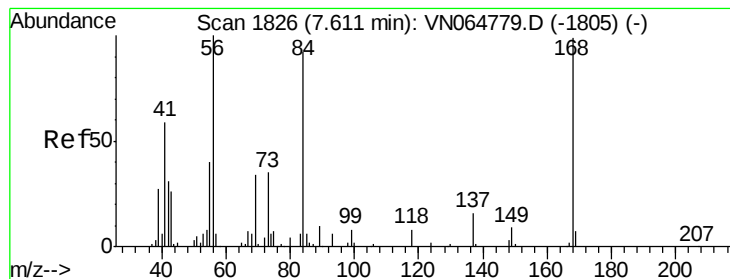
MMDadoda
12/7/2020 10:45:28 AM



#30
Chloroform
Concen: 17.995 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.6	78.8





#31

Cyclohexane

Concen: 17.014 ug/l

RT: 7.61 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Instrument :

MSVOA_N

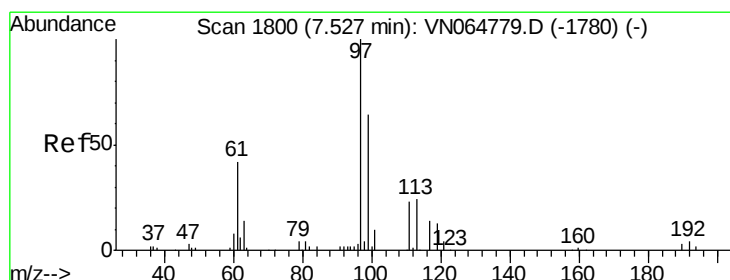
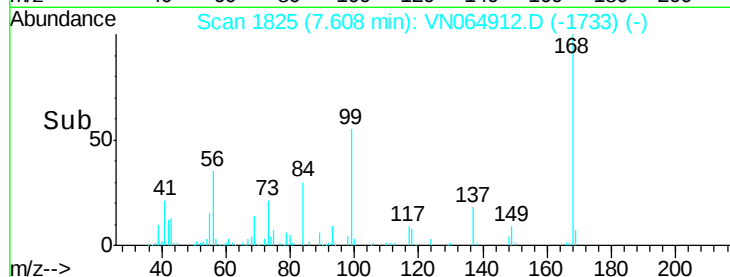
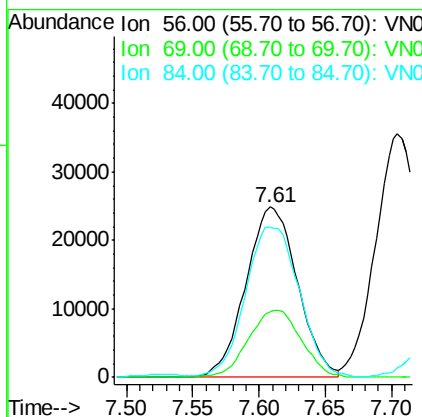
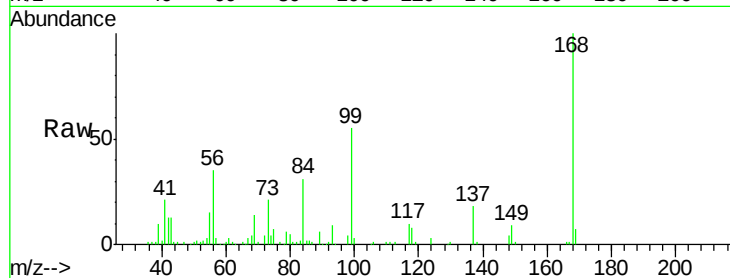
ClientSampleId :

VN1204WBS01

Tot Ion:	56	Resp:	67717
Ion	Ratio	Lower	Upper
56	100		
69	38.8	27.5	41.3
84	87.3	73.9	110.9

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#32

1,1,1-Trichloroethane

Concen: 18.568 ug/l

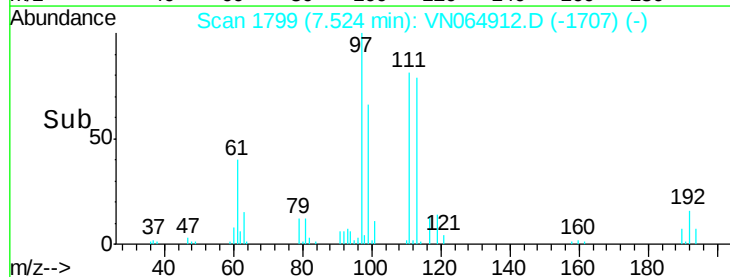
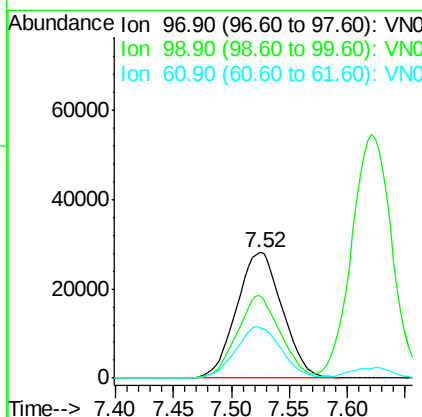
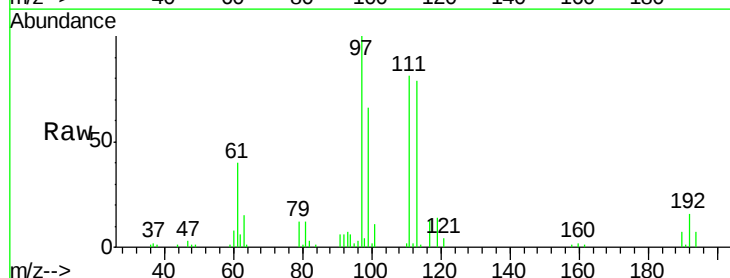
RT: 7.52 min Scan# 1799

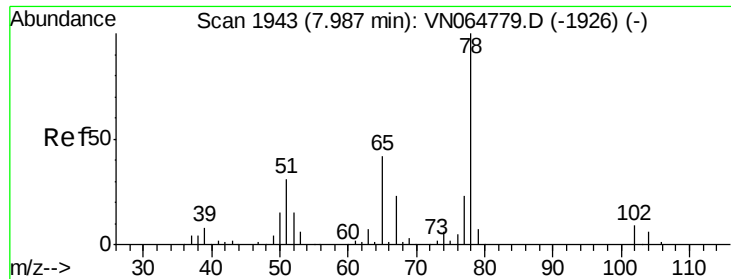
Delta R.T. -0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Tgt Ion:	97	Resp:	77286
Ion	Ratio	Lower	Upper
97	100		
99	62.1	51.7	77.5
61	40.7	33.9	50.9





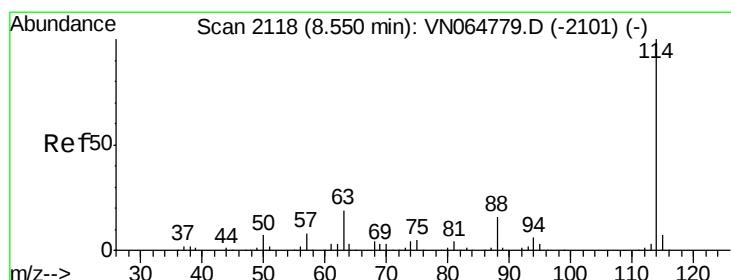
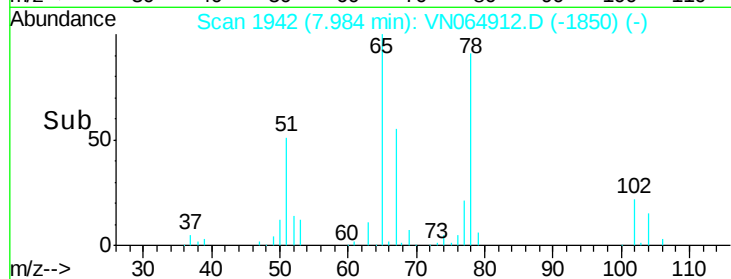
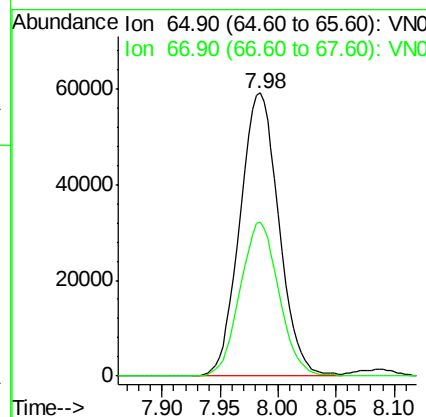
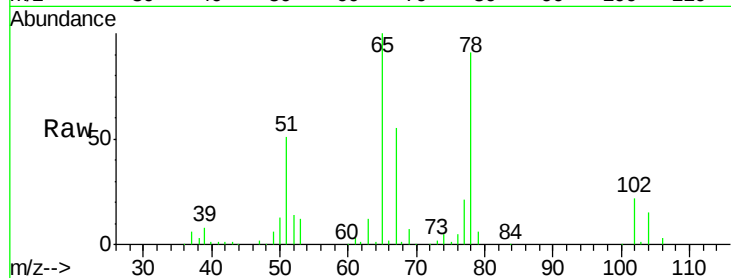
#33
 1,2-Dichloroethane-d4
 Concen: 48.426 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN064912.D
 Acq: 4 Dec 2020 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.1	0.0	108.2	

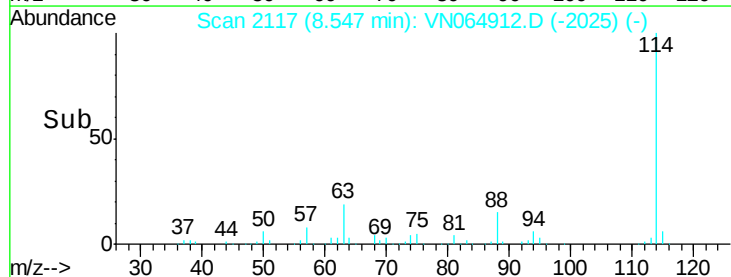
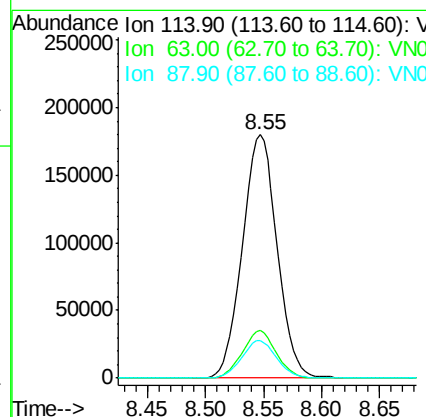
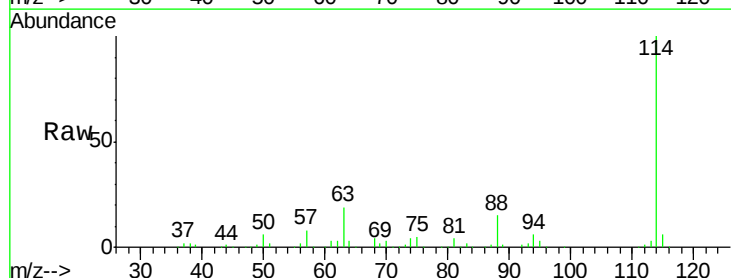
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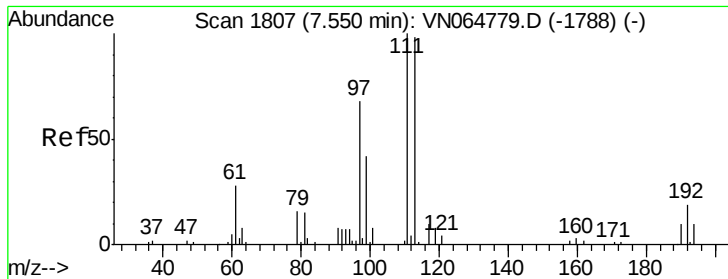
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN064912.D
 Acq: 4 Dec 2020 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.4	0.0	38.6	
88	15.3	0.0	32.6	





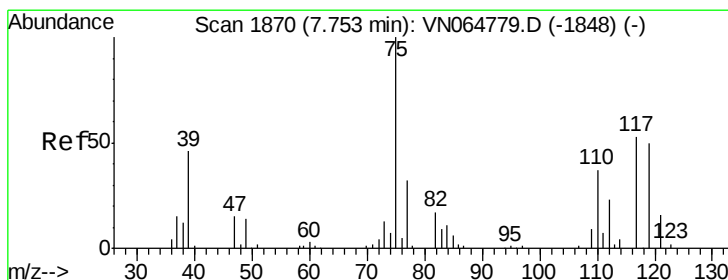
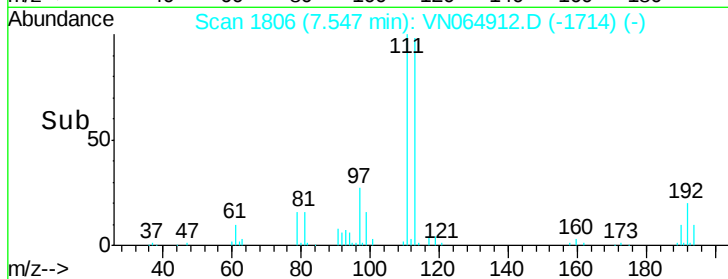
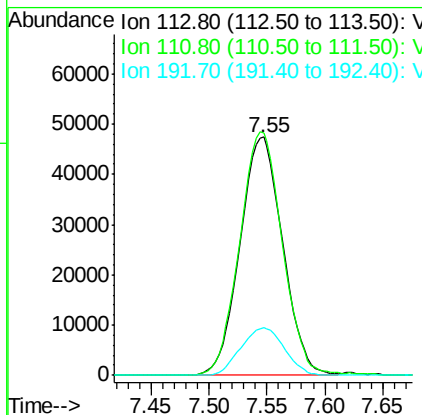
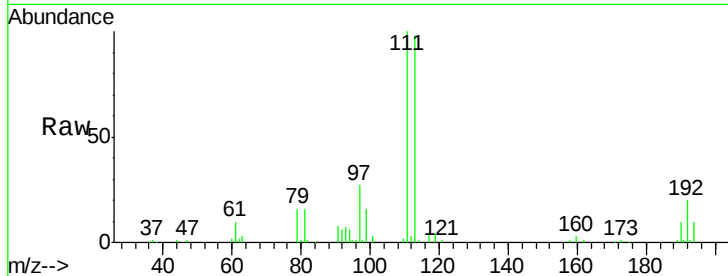
#35
Dibromofluoromethane
Concen: 54.326 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.6	122.4
192	20.3	16.2	24.2

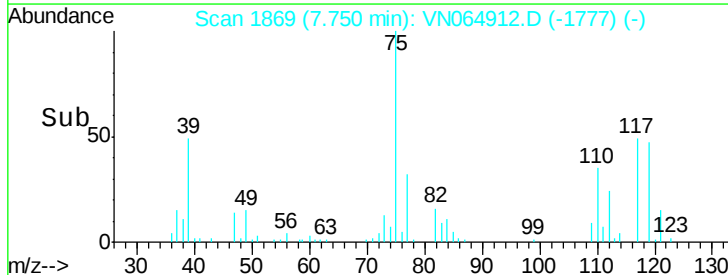
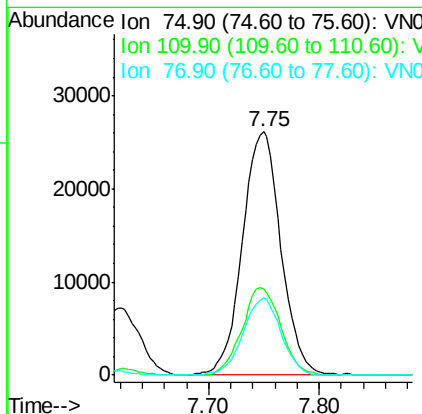
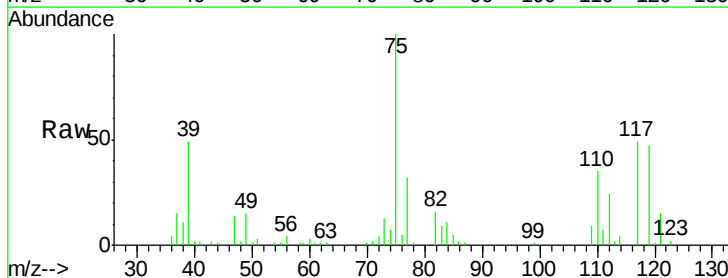
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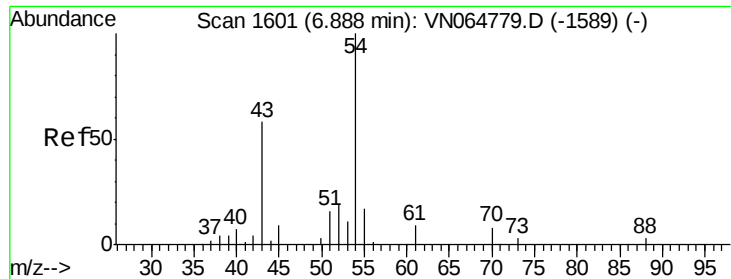
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#36
1,1-Dichloropropene
Concen: 18.215 ug/l
RT: 7.75 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	17.8	53.3
77	31.2	25.0	37.4





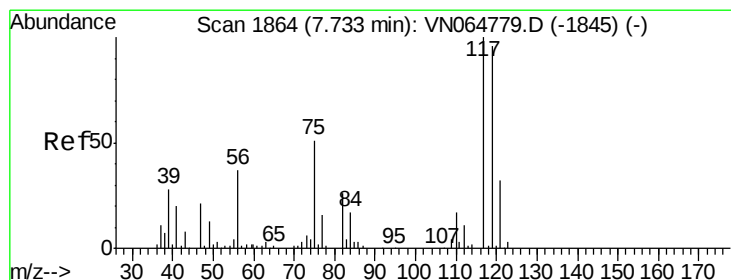
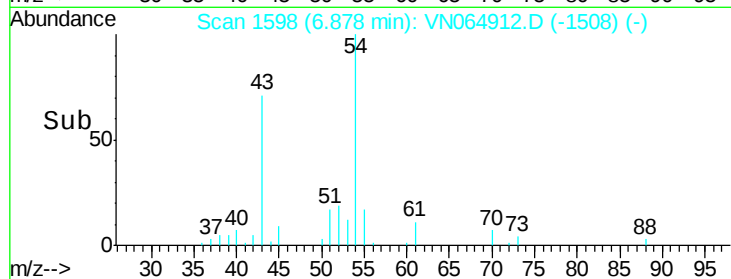
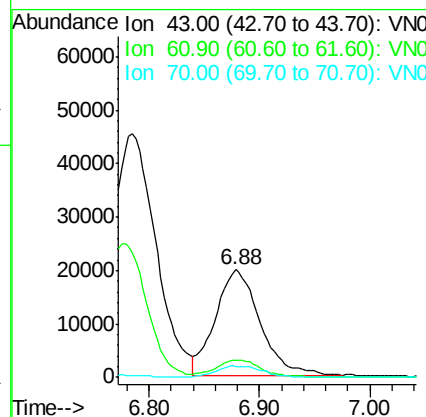
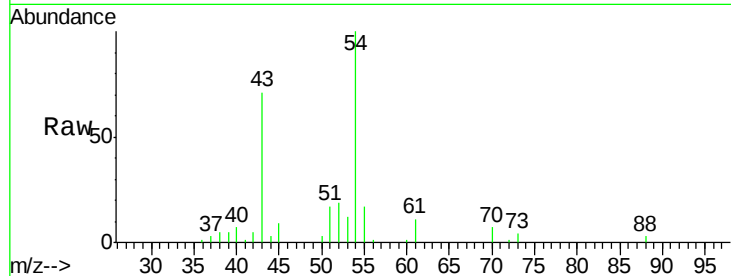
#37
Ethyl Acetate
Concen: 16.730 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.01 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Instrument :
MSVOA_N
ClientSampled :
VN1204WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.5	12.8	19.2
70	11.1	8.8	13.2

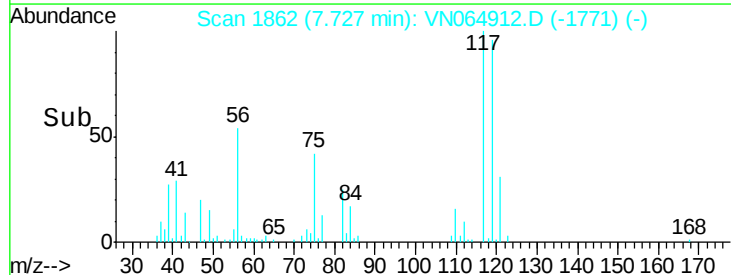
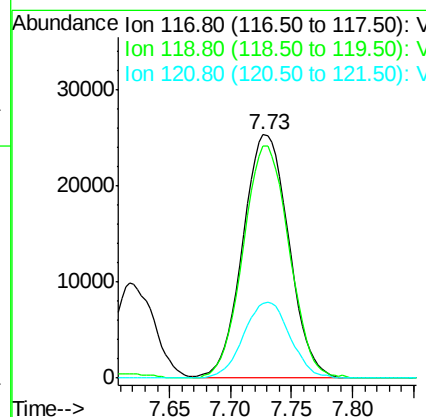
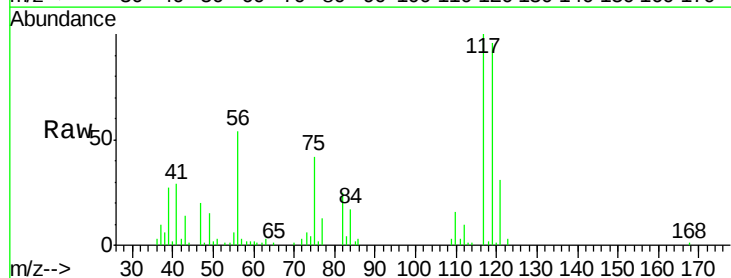
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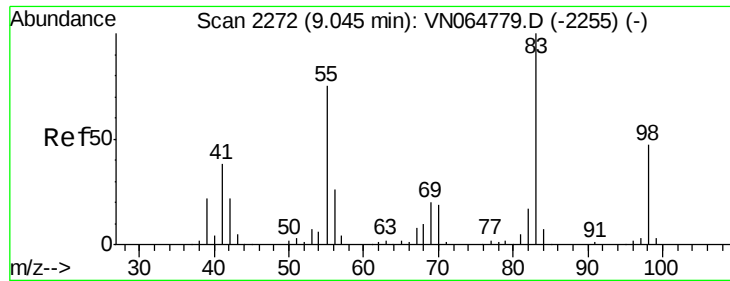
MMDadoda
12/7/2020 10:45:28 AM



#38
Carbon Tetrachloride
Concen: 18.352 ug/l
RT: 7.73 min Scan# 1862
Delta R.T. -0.01 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.7	115.1
121	30.7	25.4	38.2





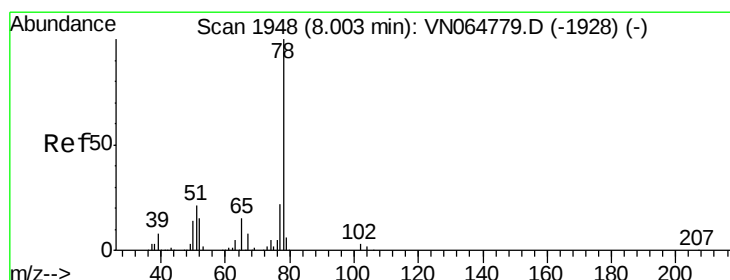
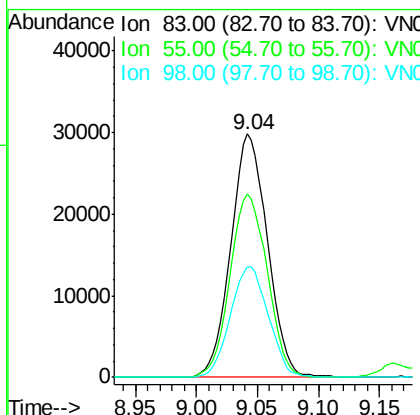
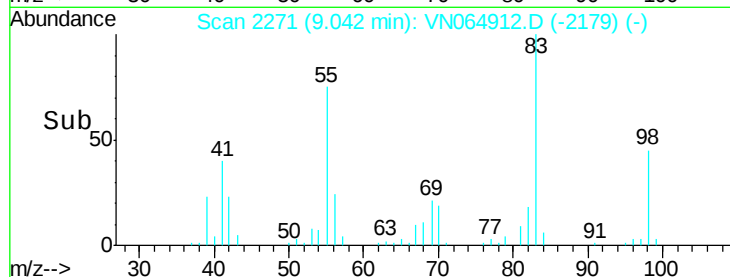
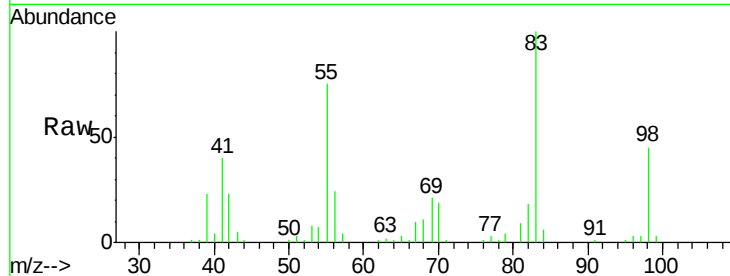
#39
Methvlcvclohexane
Concen: 16.689 ug/l
RT: 9.04 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.3	60.2	90.2
98	45.3	37.4	56.2

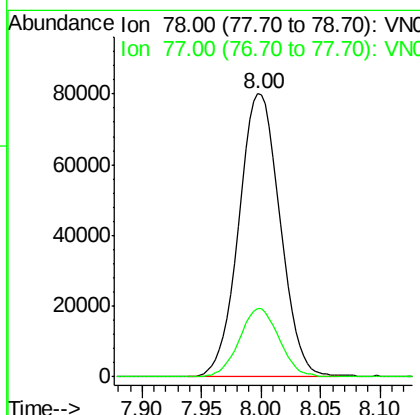
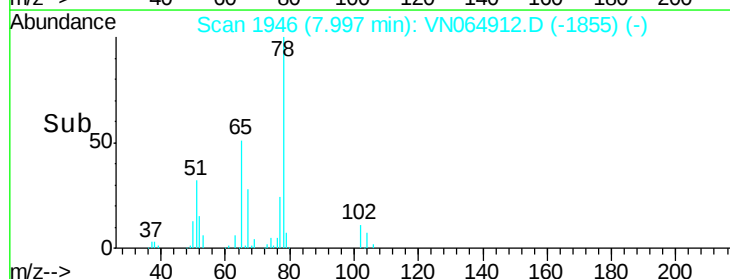
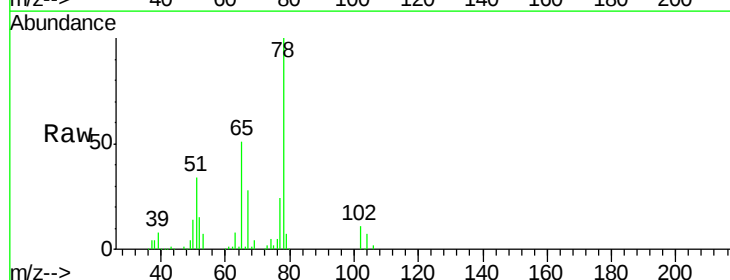
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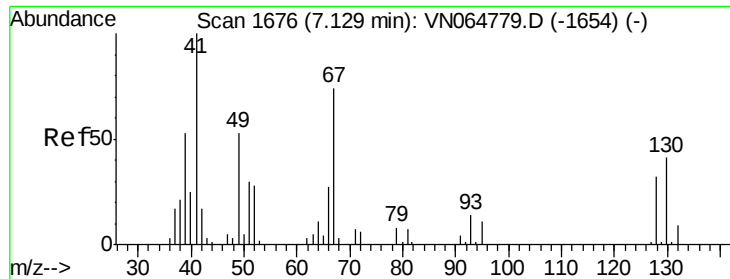
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#40
Benzene
Concen: 18.115 ug/l
RT: 8.00 min Scan# 1946
Delta R.T. -0.01 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	17.9	26.9





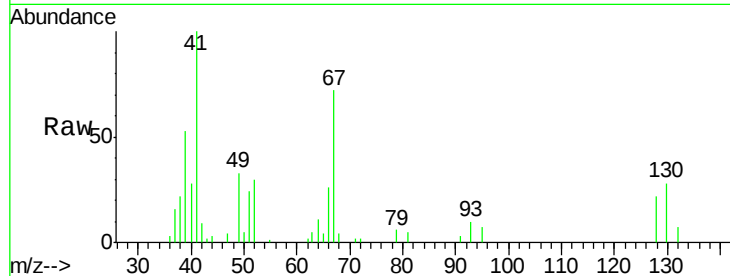
#41
Methacrylonitrile
Concen: 16.468 ug/l
RT: 7.12 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Instrument :
MSVOA_N
ClientSampled :
VN1204WBS01

Tot Ion	41	Resp	25384
Ion	Ratio	Lower	Upper
41	100		
39	67.8	51.0	76.6
67	92.9	79.8	119.8
52	36.3	31.5	47.3

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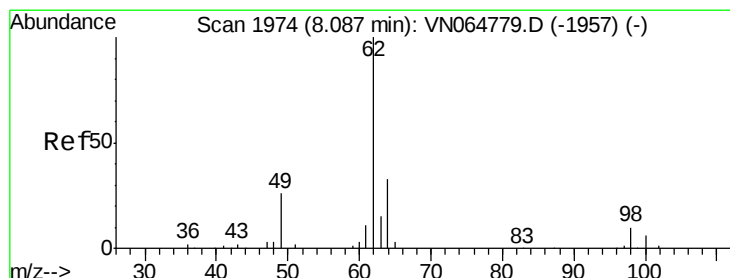
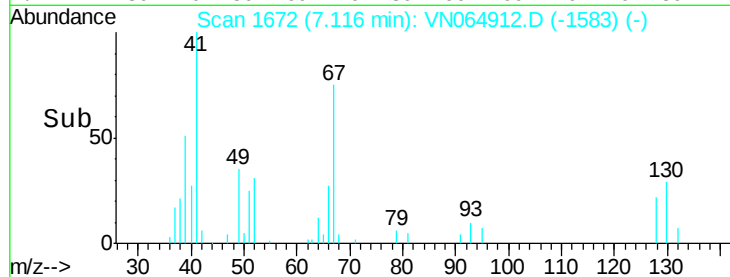
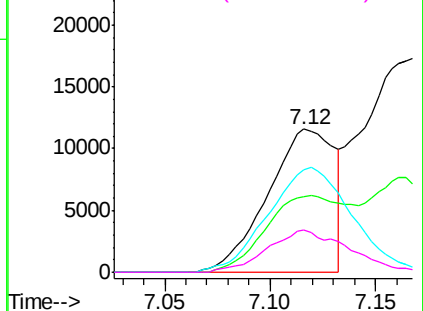
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

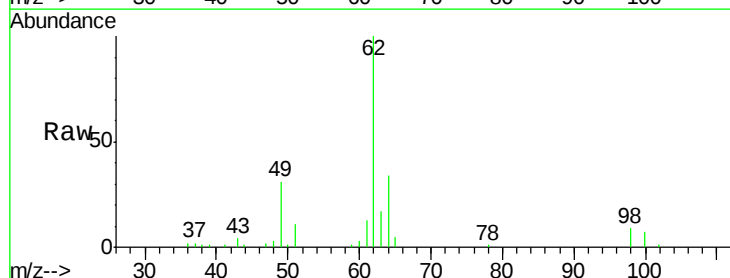
Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42
1,2-Dichloroethane
Concen: 18.055 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

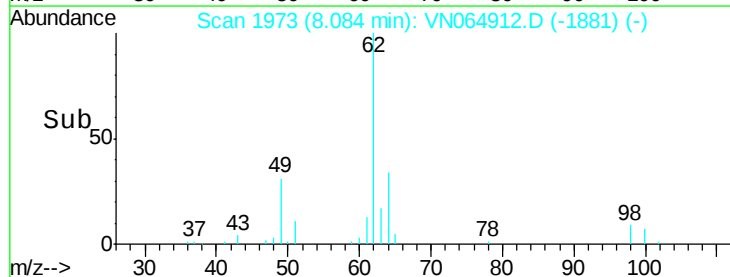
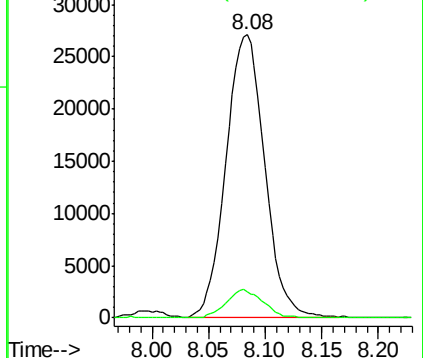
Tgt Ion	62	Resp	64727
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.6

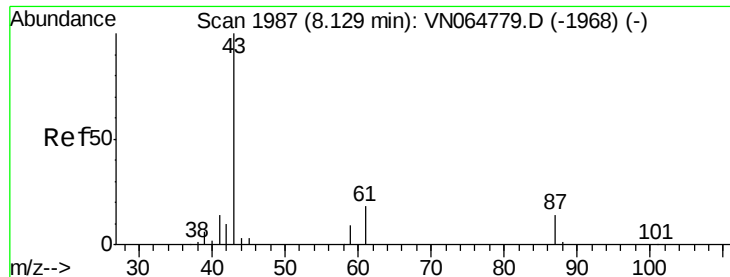


Abundance

Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 17.238 ug/l

RT: 8.12 min Scan# 1985

Delta R.T. -0.01 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Instrument :

MSVOA_N

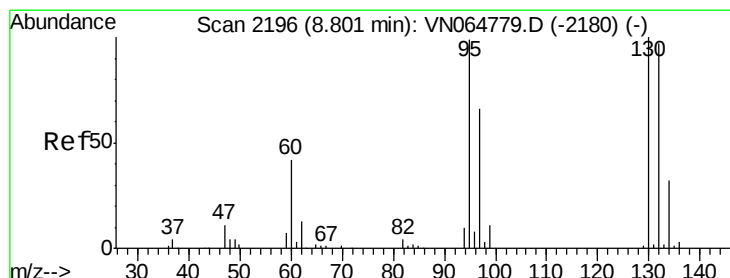
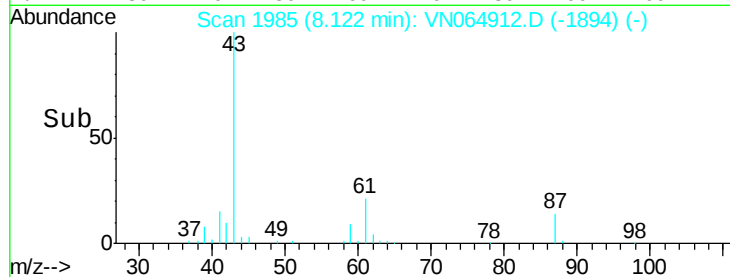
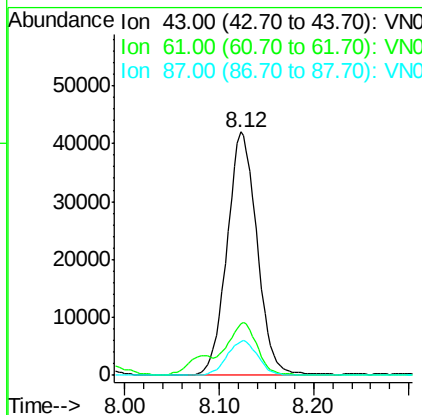
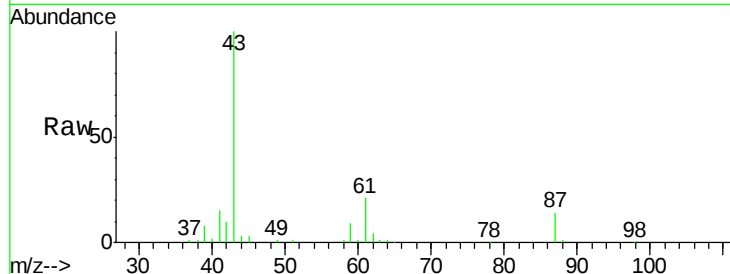
ClientSampleId :

VN1204WBS01

Tot Ion:	43	Resp:	92662
Ion	Ratio	Lower	Upper
43	100		
61	21.2	17.2	25.8
87	14.3	11.4	17.0

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#44

Trichloroethene

Concen: 17.625 ug/l

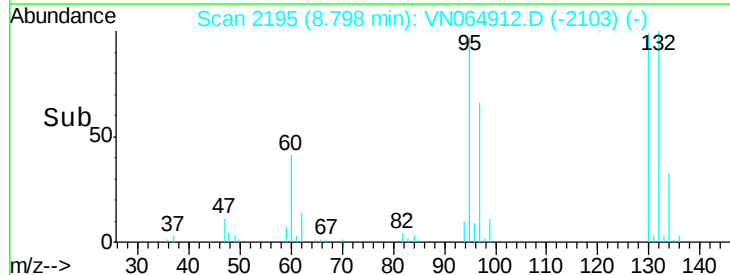
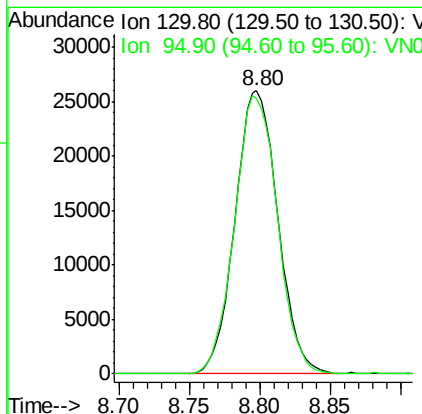
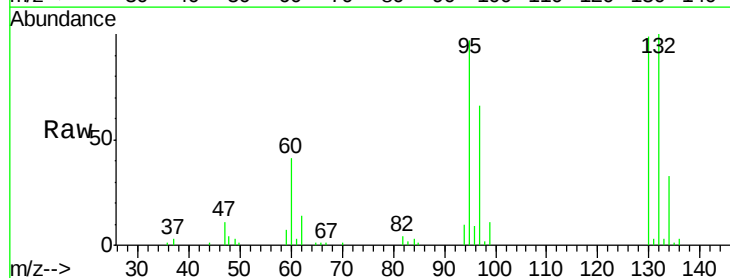
RT: 8.80 min Scan# 2195

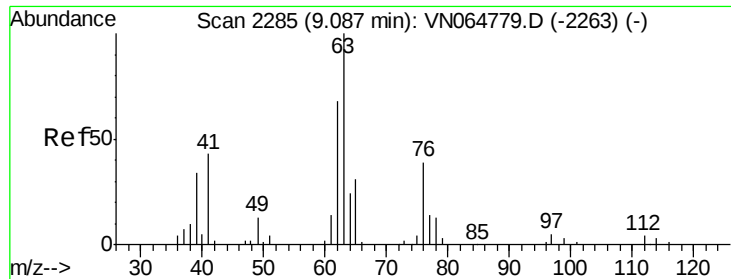
Delta R.T. -0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Tgt Ion:	130	Resp:	55263
Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	197.8





#45

1,2-Dichloropropane

Concen: 18.397 ug/l

RT: 9.08 min Scan# 2283

Delta R.T. -0.01 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBS01

Tot Ion: 63 Resp: 50629

Ion Ratio Lower Upper

63 100

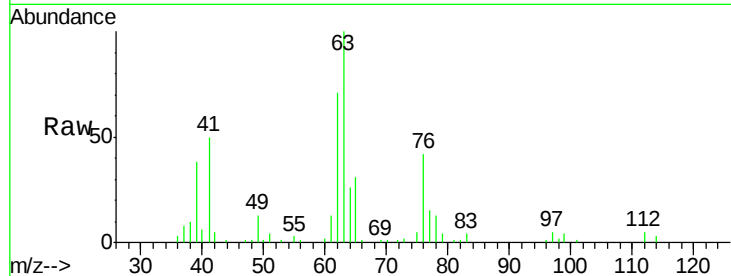
65 30.6 25.0 37.4

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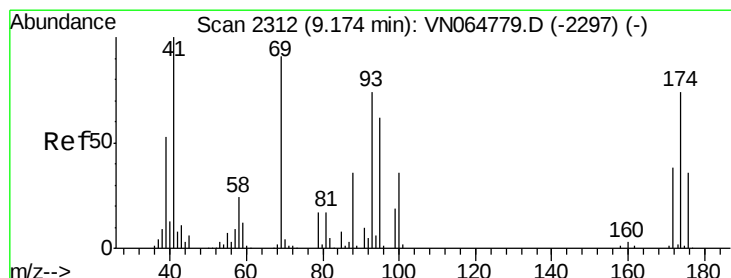
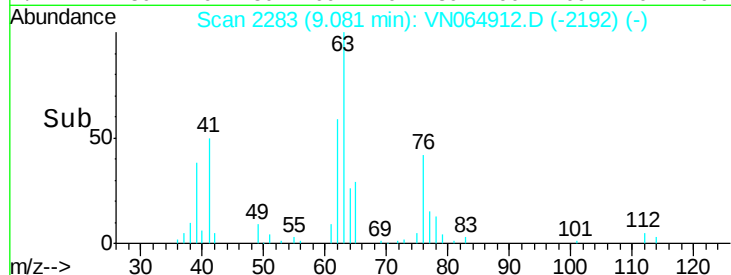
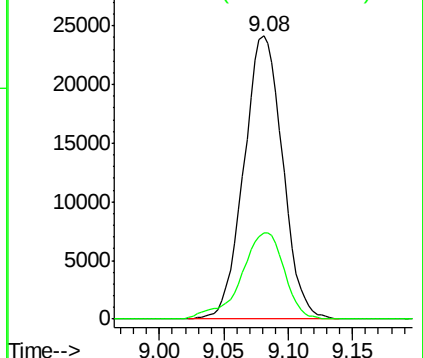
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 18.337 ug/l

RT: 9.17 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

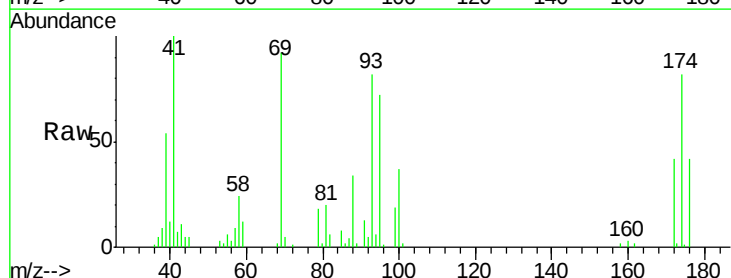
Tgt Ion: 93 Resp: 33713

Ion Ratio Lower Upper

93 100

95 87.1 68.8 103.2

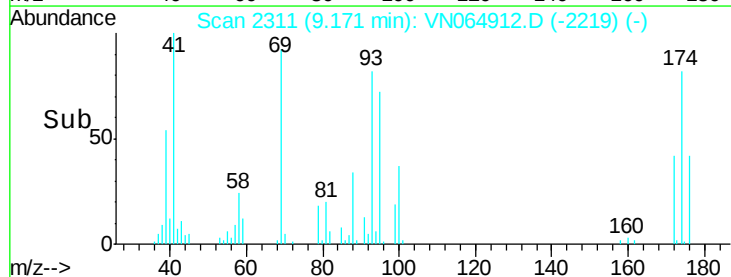
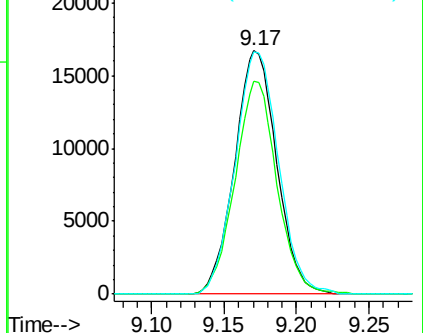
174 102.6 83.1 124.7

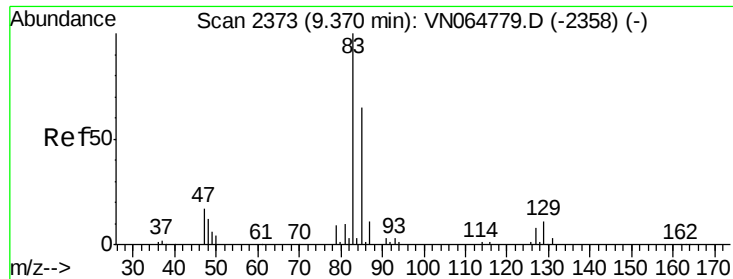


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.211 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Instrument :

MSVOA_N

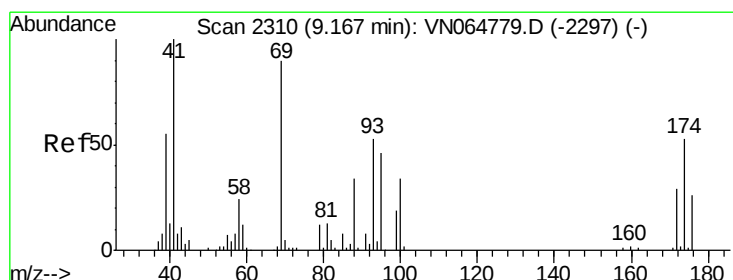
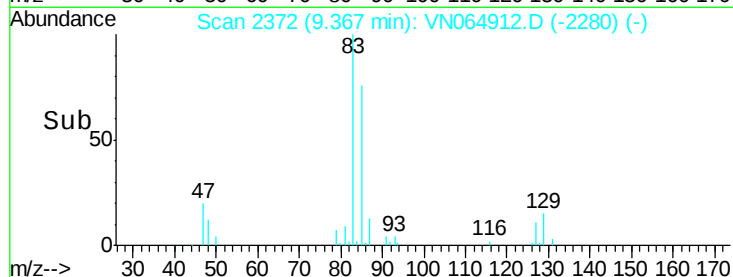
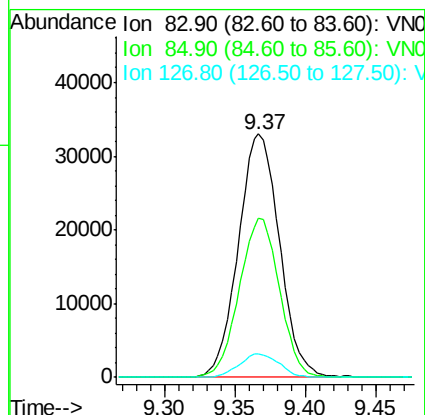
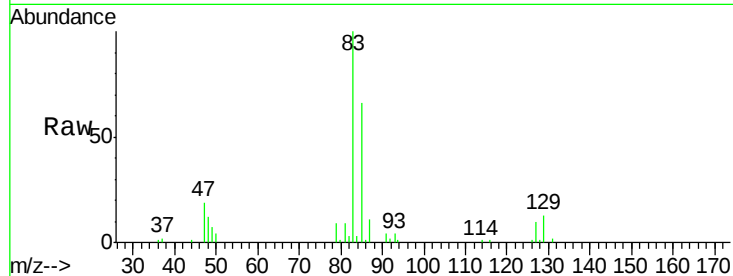
ClientSampled :

VN1204WBS01

Tot Ion:	83	Resp:	67370
Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.8	77.8
127	9.6	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.261 ug/l

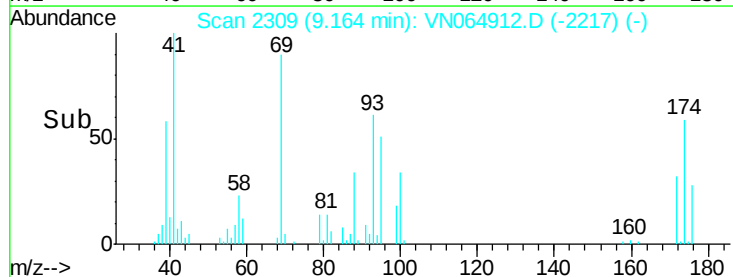
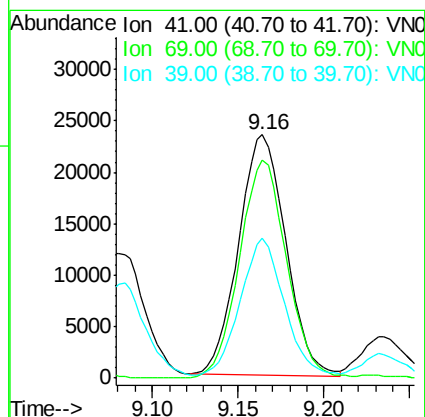
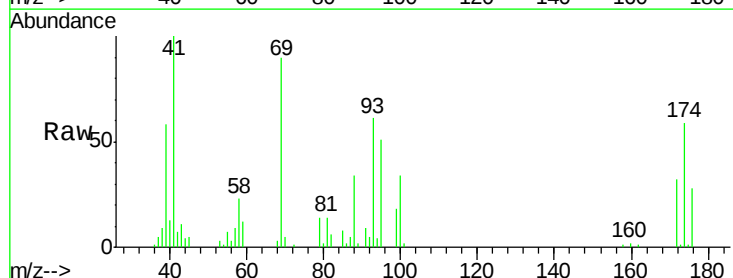
RT: 9.16 min Scan# 2309

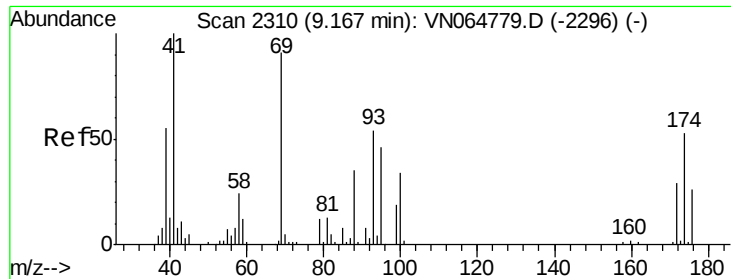
Delta R.T. -0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Tgt Ion:	41	Resp:	44335
Ion	Ratio	Lower	Upper
41	100		
69	91.0	71.8	107.8
39	54.0	44.1	66.1





#49

1,4-Dioxane

Concen: 334.224 ug/l

RT: 9.16 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Instrument :

MSVOA_N

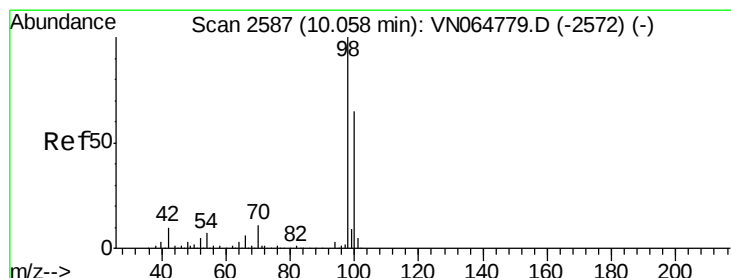
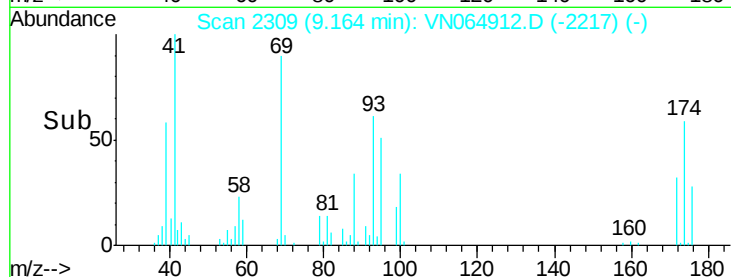
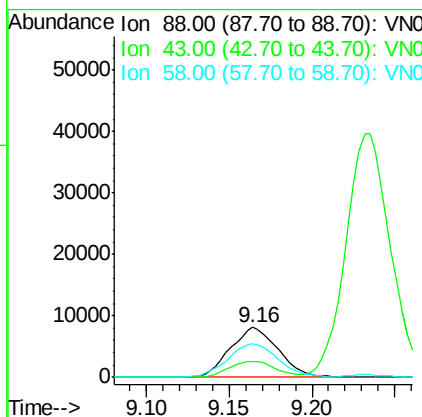
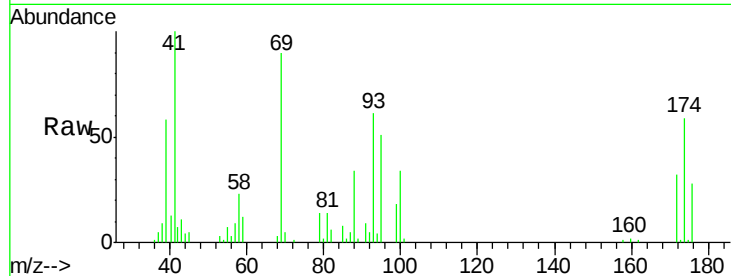
ClientSampled :

VN1204WBS01

Tot Ion:	88	Resp:	16225
Ion	Ratio	Lower	Upper
88	100		
43	31.2	24.2	36.4
58	71.2	52.5	78.7

Manual Integrations
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#50

Toluene-d8

Concen: 51.517 ug/l

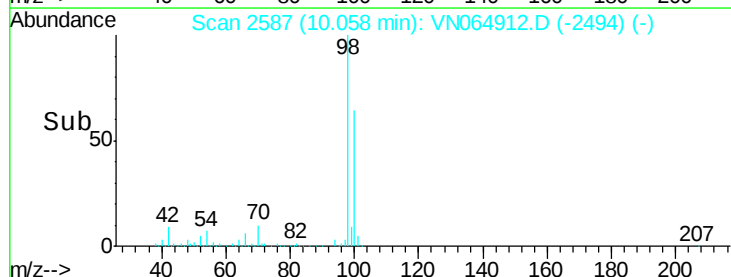
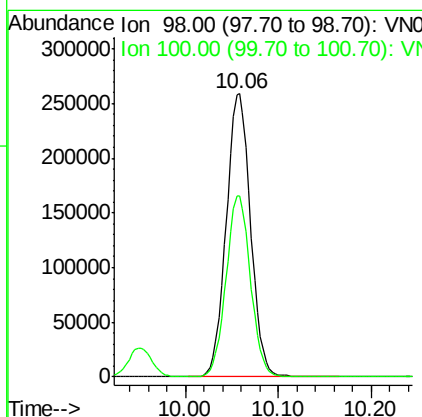
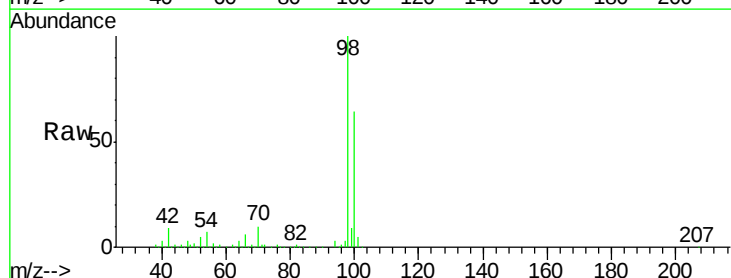
RT: 10.06 min Scan# 2587

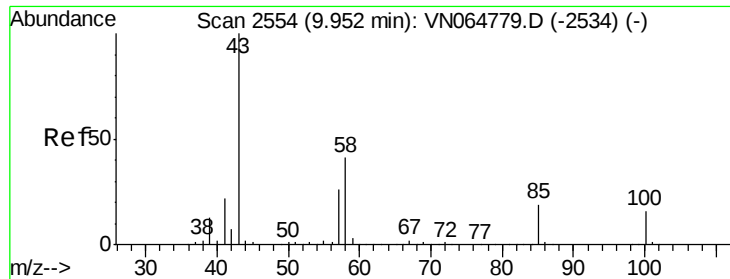
Delta R.T. 0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Tgt Ion:	98	Resp:	471237
Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 87.456 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Instrument :

MSVOA_N

ClientSampled :

VN1204WBS01

Tot Ion: 43 Resp: 282224

Ion Ratio Lower Upper

43 100

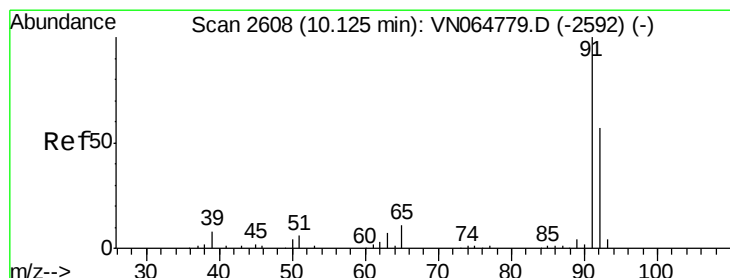
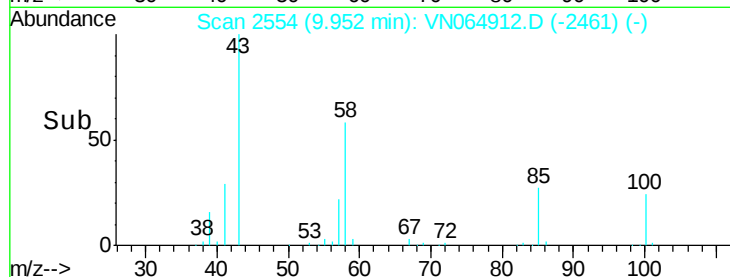
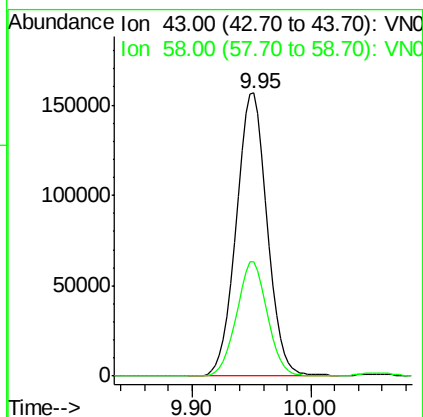
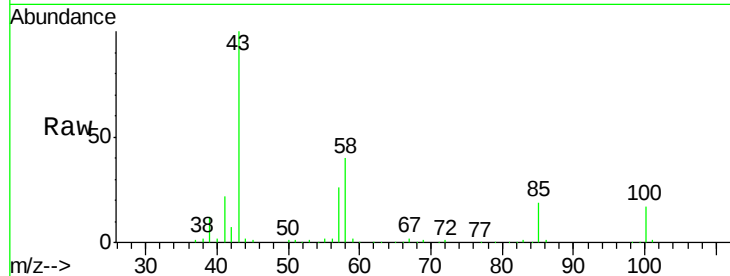
58 40.2 32.4 48.6

Manual Integrations

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MMDadoda

12/7/2020 10:45:28 AM



#52

Toluene

Concen: 18.523 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064912.D

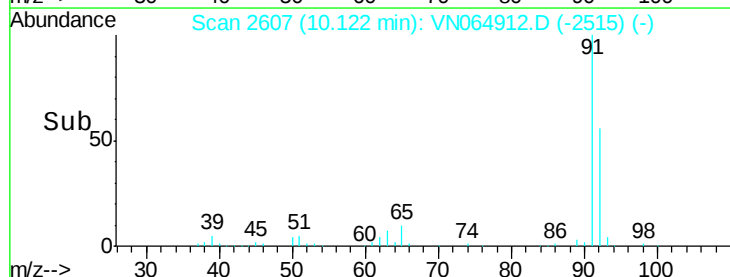
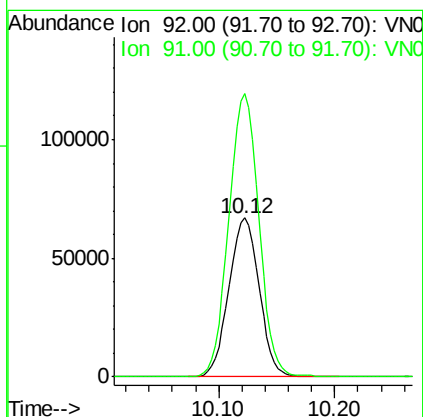
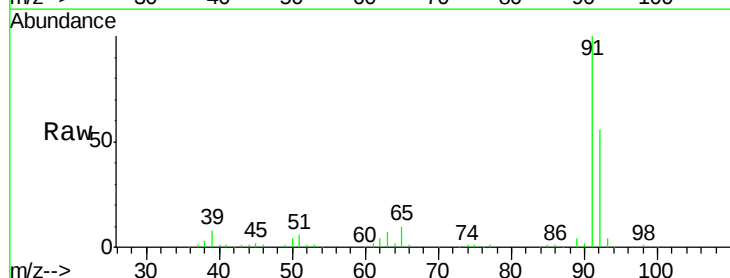
Acq: 4 Dec 2020 12:28

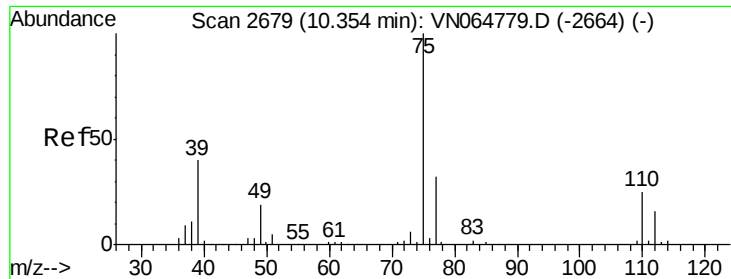
Tgt Ion: 92 Resp: 121221

Ion Ratio Lower Upper

92 100

91 176.6 139.1 208.7





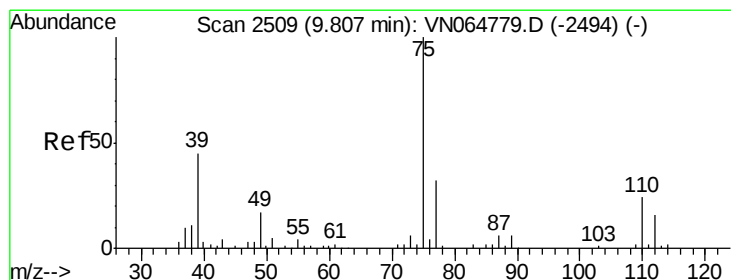
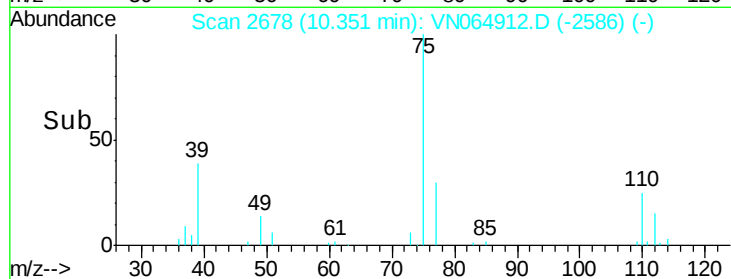
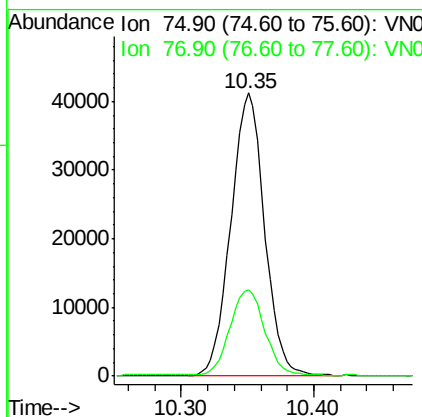
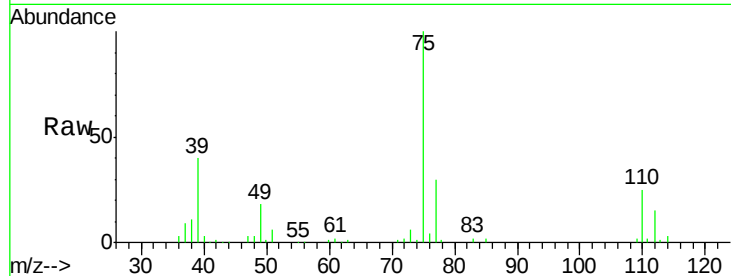
#53
t-1,3-Dichloropropene
Concen: 17.652 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tot Ion: 75 Resp: 72733
Ion Ratio Lower Upper
75 100
77 30.5 25.8 38.6

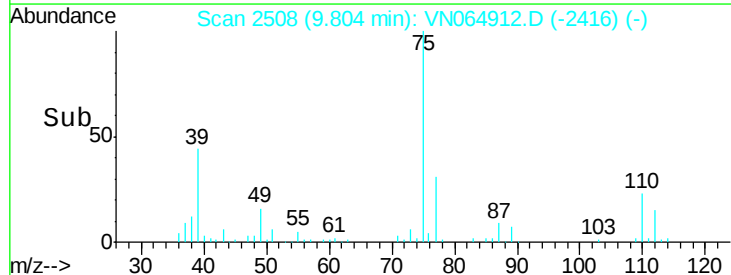
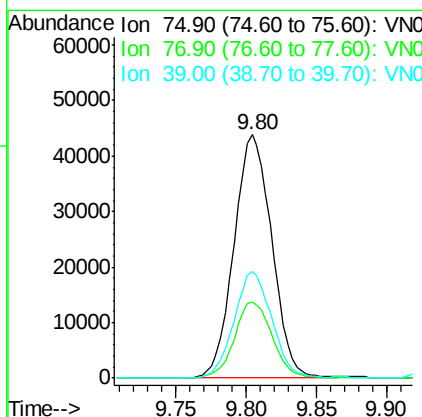
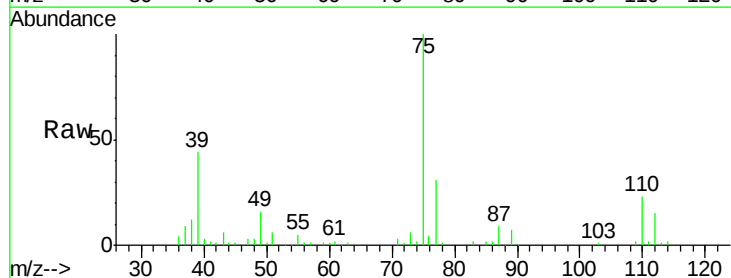
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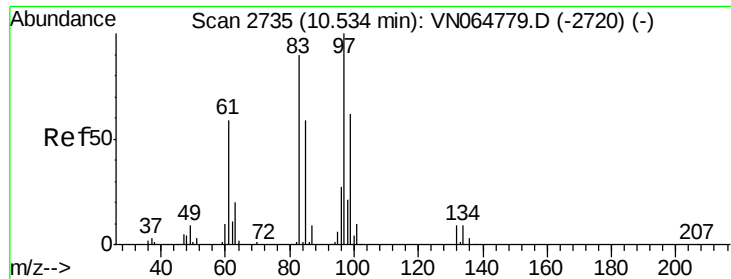
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#54
cis-1,3-Dichloropropene
Concen: 18.695 ug/l
RT: 9.80 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Tgt Ion: 75 Resp: 82565
Ion Ratio Lower Upper
75 100
77 31.4 25.5 38.3
39 44.0 35.6 53.4





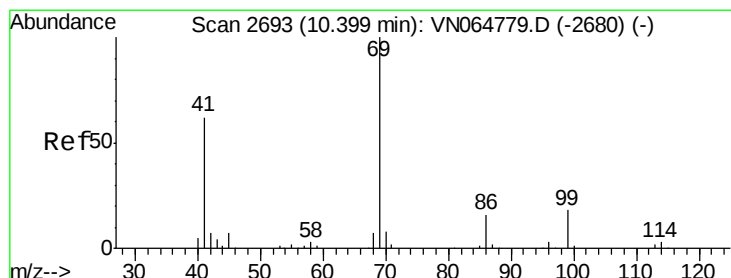
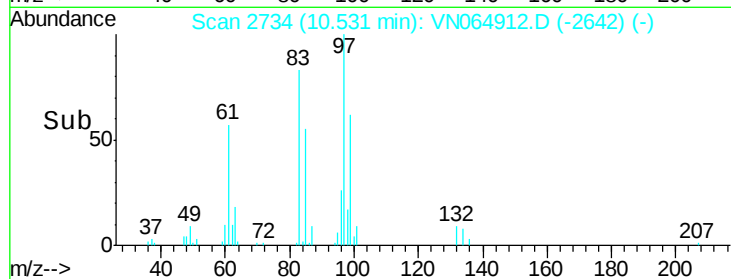
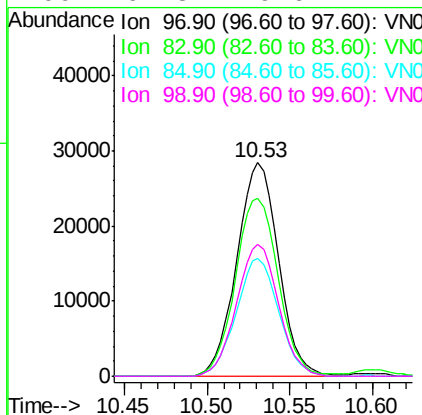
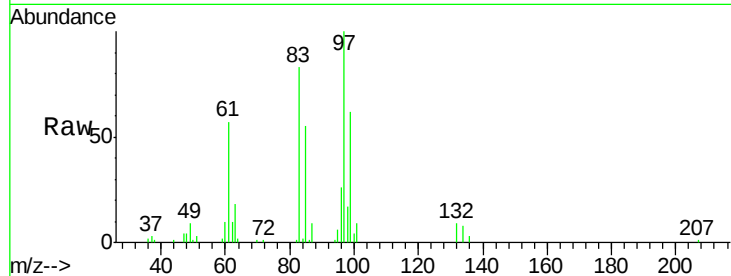
#55
 1,1,2-Trichloroethane
 Concen: 18.533 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064912.D
 Acq: 4 Dec 2020 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		49876		
83	83.3	72.1	108.1		
85	55.4	46.8	70.2		
99	61.8	49.6	74.4		

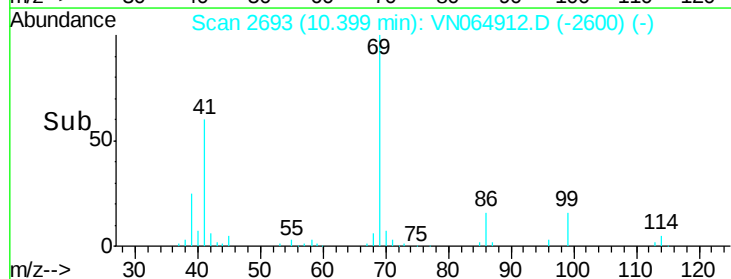
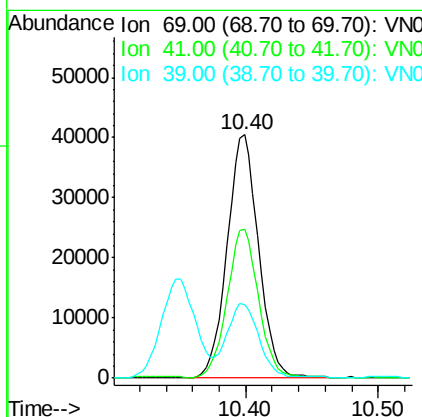
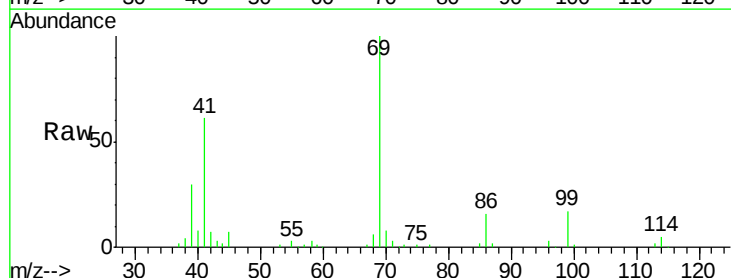
Manual Integrations
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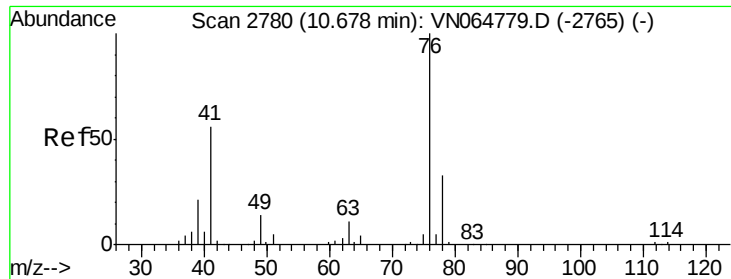
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 12/7/2020 10:45:28 AM



#56
 Ethyl methacrylate
 Concen: 17.938 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064912.D
 Acq: 4 Dec 2020 12:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		66616		
41	61.6	49.4	74.0		
39	30.0	25.9	38.9		





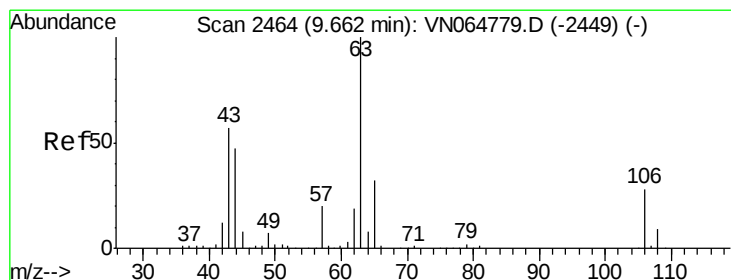
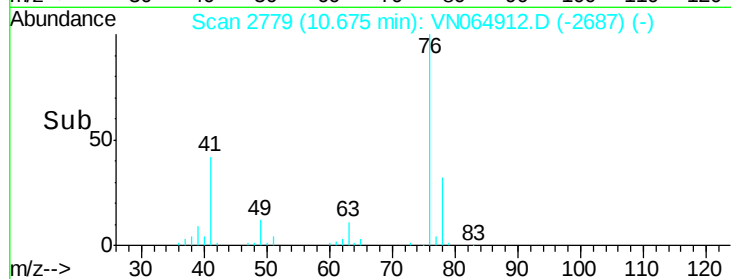
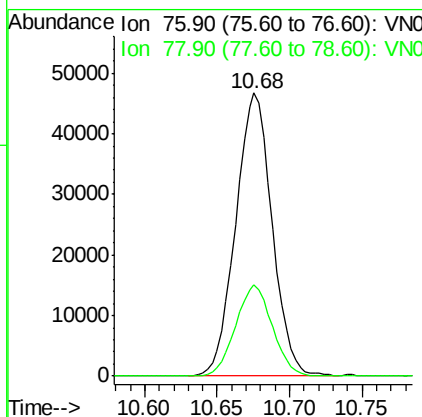
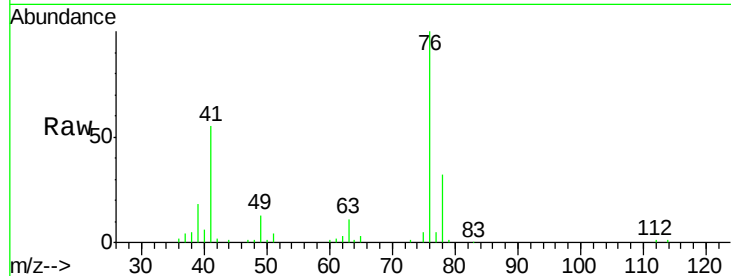
#57
 1,3-Dichloropropane
 Concen: 18.359 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN064912.D
 Acq: 4 Dec 2020 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBS01

Tot Ion: 76 Resp: 81500
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.1 39.1

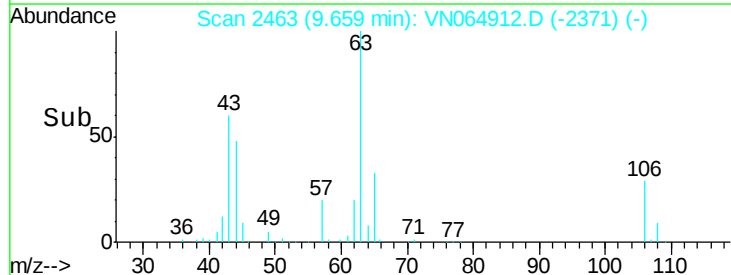
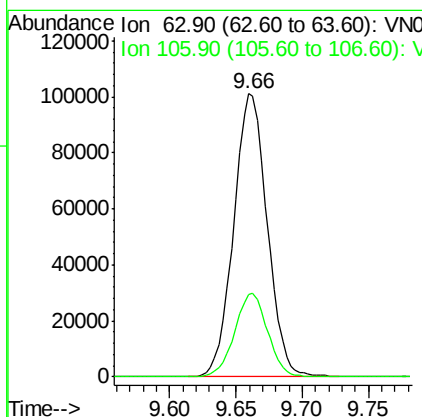
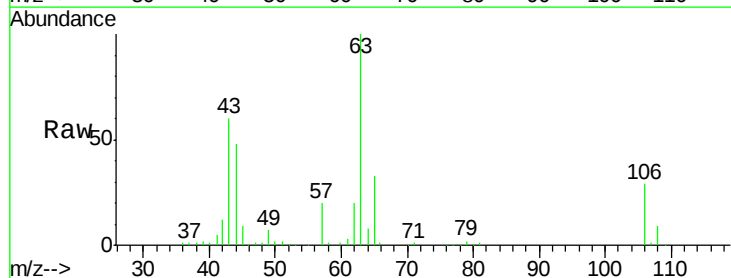
Manual Integrations
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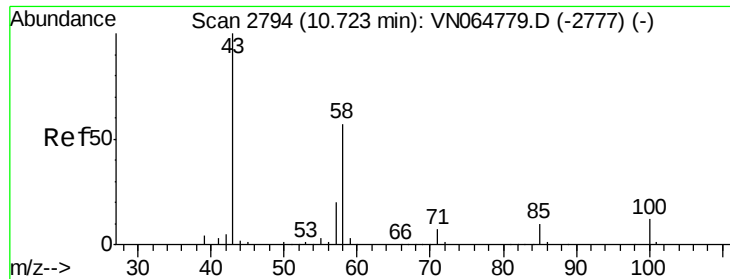
MMDadoda
 12/7/2020 10:45:28 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 86.826 ug/l
 RT: 9.66 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN064912.D
 Acq: 4 Dec 2020 12:28

Tgt Ion: 63 Resp: 177366
 Ion Ratio Lower Upper
 63 100
 106 29.0 22.7 34.1





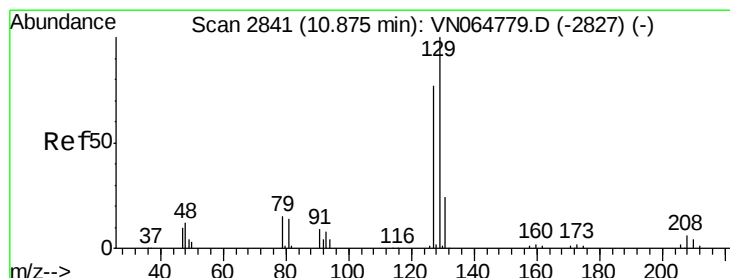
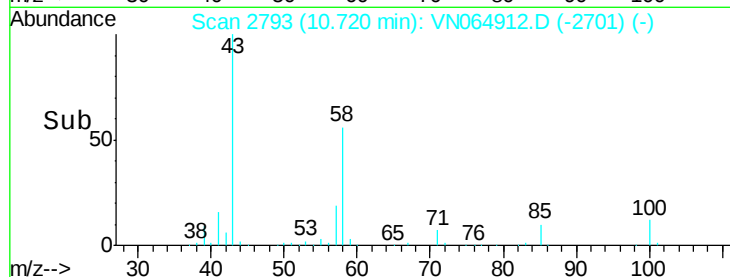
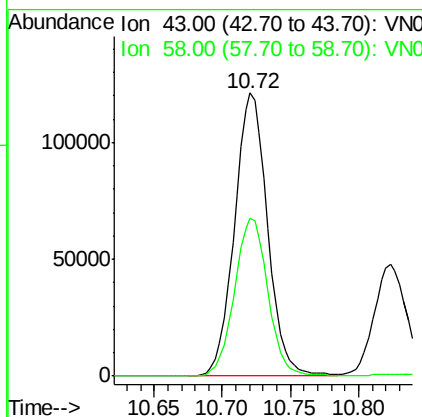
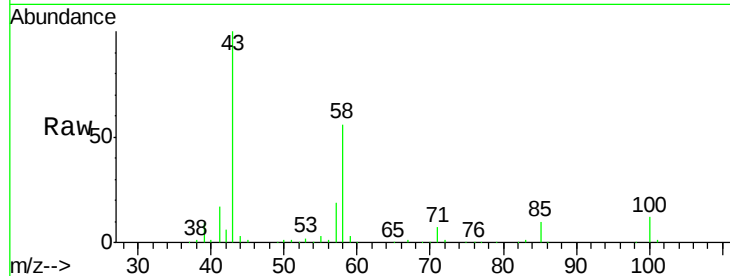
#59
2-Hexanone
Concen: 87.827 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tot Ion: 43 Resp: 203973
Ion Ratio Lower Upper
43 100
58 56.4 28.3 84.9

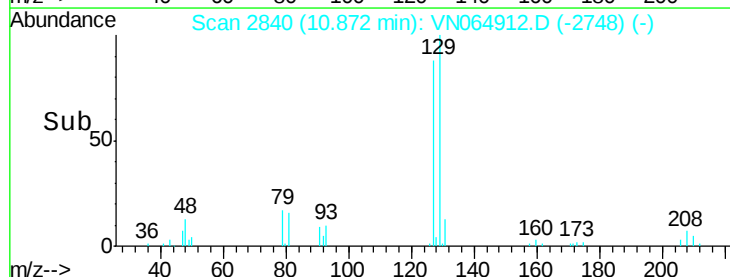
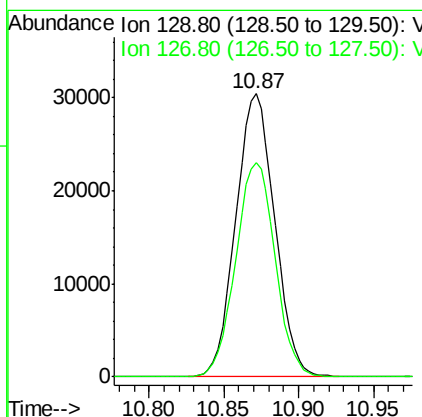
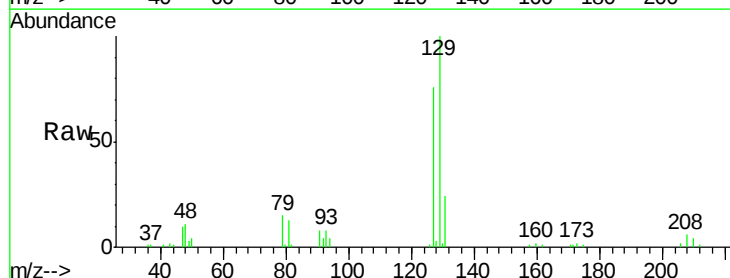
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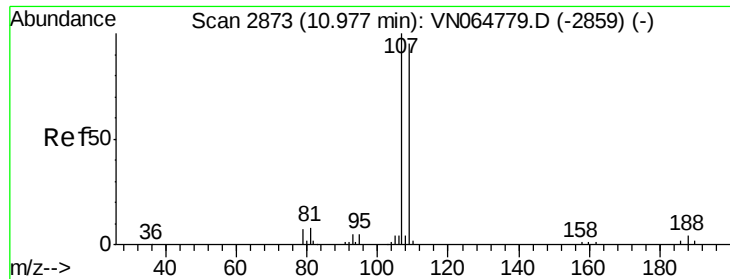
MMDadoda
12/7/2020 10:45:28 AM



#60
Dibromochloromethane
Concen: 18.452 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Tgt Ion: 129 Resp: 55199
Ion Ratio Lower Upper
129 100
127 76.6 39.1 117.2





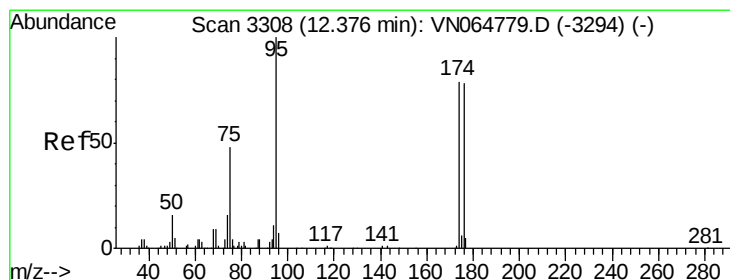
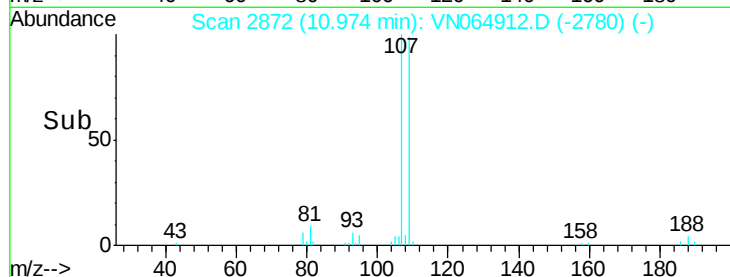
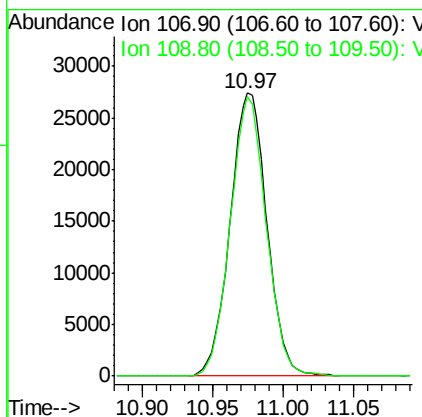
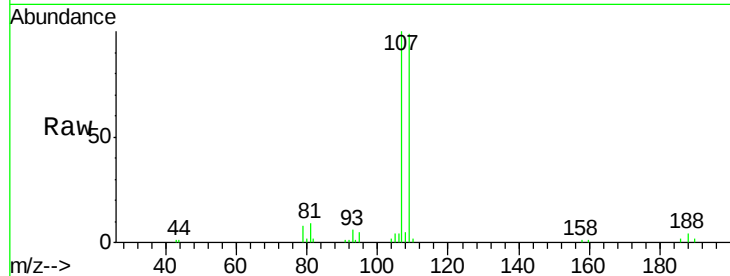
#61
 1,2-Dibromoethane
 Concen: 18.287 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN064912.D
 Acq: 4 Dec 2020 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBS01

Tot Ion	Ratio	Resp	Lower	Upper
107	100	49998		
109	96.5	76.0	114.0	

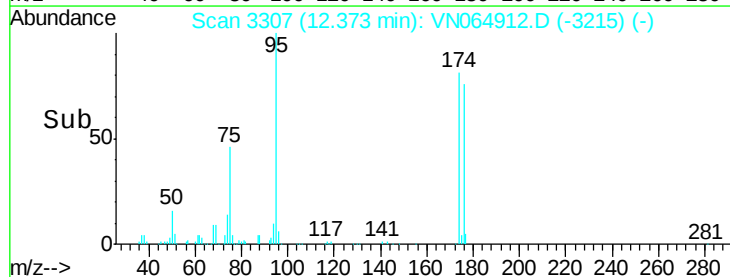
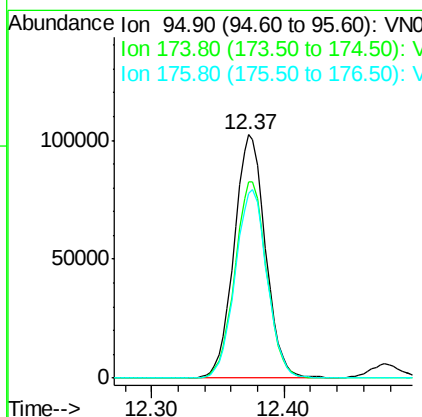
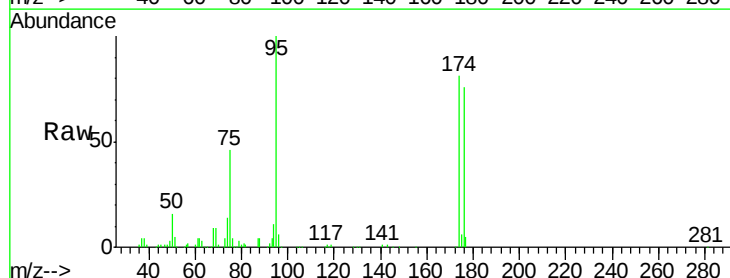
Manual Integrations
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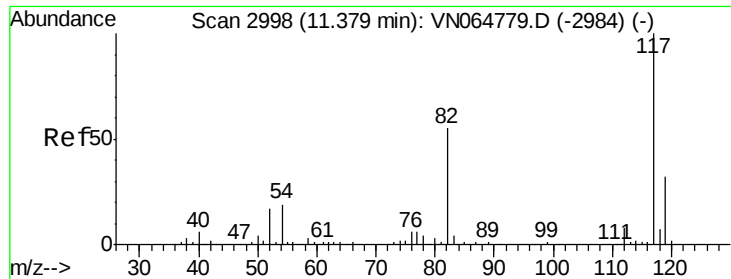
MMDadoda
 12/7/2020 10:45:28 AM



#62
 4-Bromofluorobenzene
 Concen: 51.232 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064912.D
 Acq: 4 Dec 2020 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	167715		
174	82.0	0.0	160.4	
176	78.6	0.0	158.4	





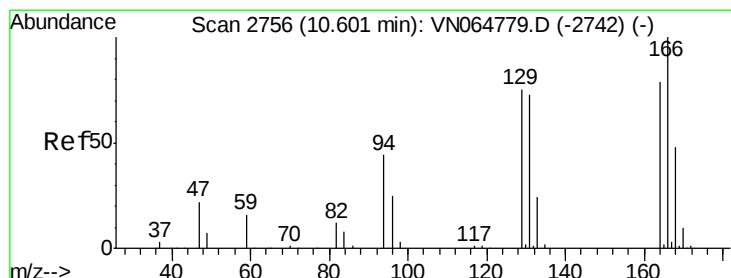
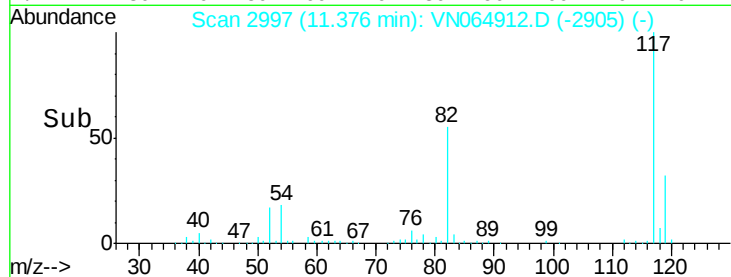
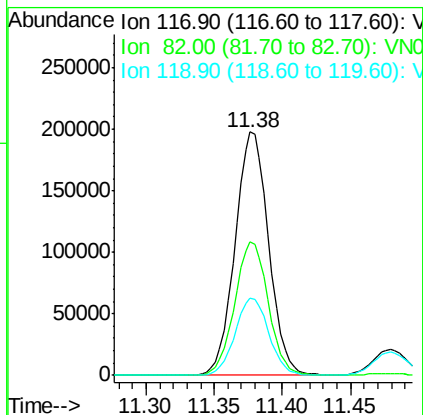
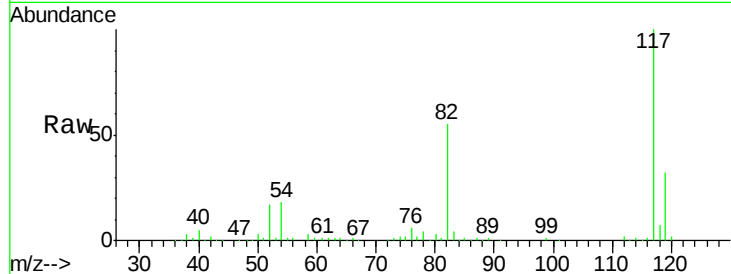
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Instrument :
MSVOA_N
ClientSampled :
VN1204WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	44.2	66.2
119	31.6	25.8	38.6

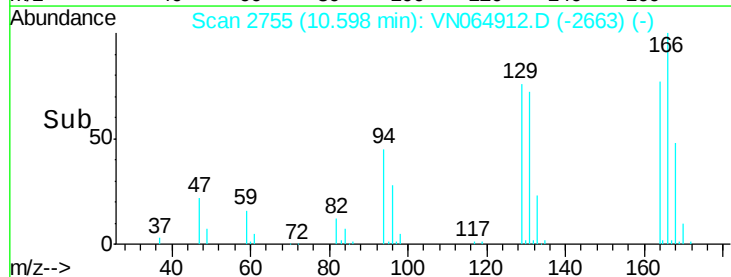
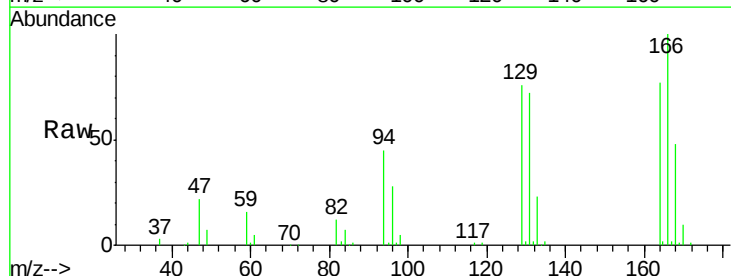
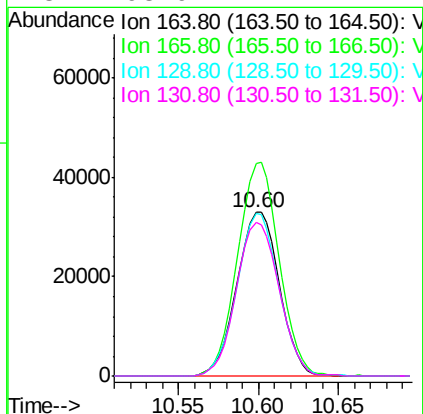
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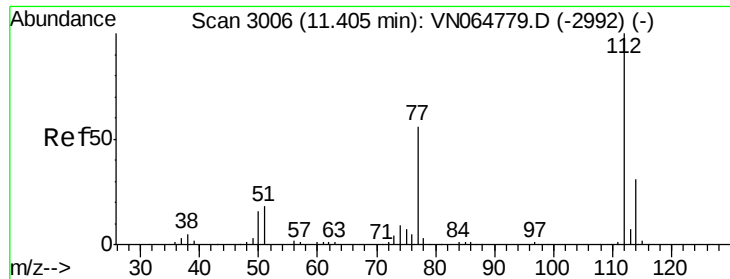
MMDadoda
12/7/2020 10:45:28 AM



#64
Tetrachloroethene
Concen: 18.223 ug/l
RT: 10.60 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.7	101.4	152.0
129	99.0	76.1	114.1
131	93.9	74.2	111.2





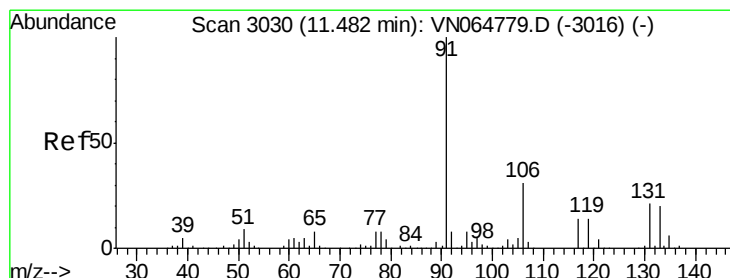
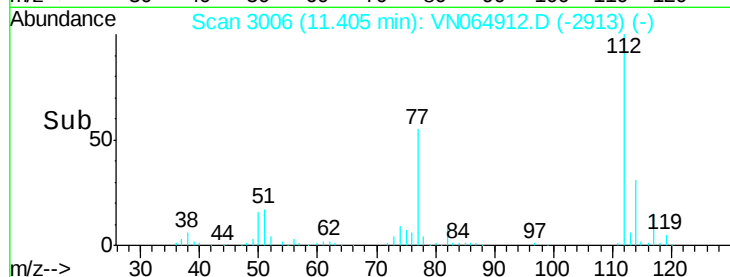
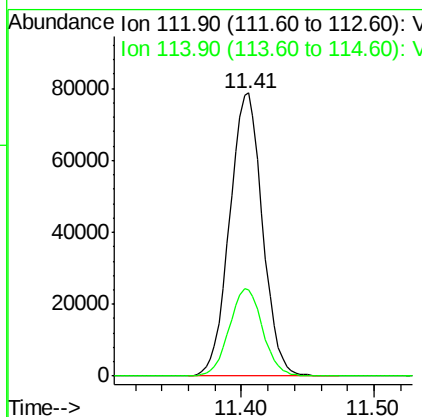
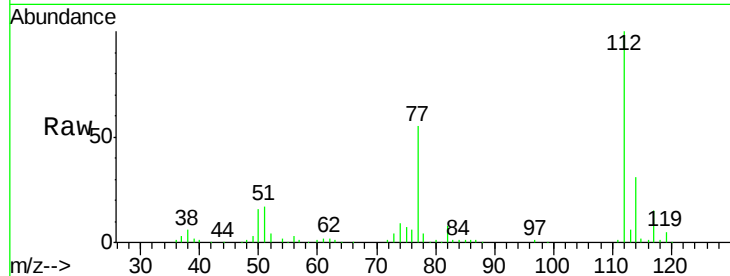
#65
Chlorobenzene
Concen: 18.670 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Instrument :
MSVOA_N
ClientSampled :
VN1204WBS01

Tot Ion:112 Resp: 135373
Ion Ratio Lower Upper
112 100
114 30.7 25.1 37.7

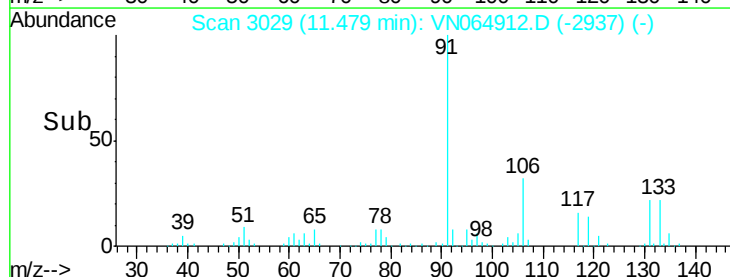
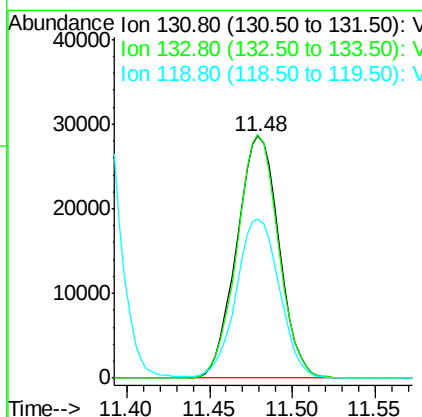
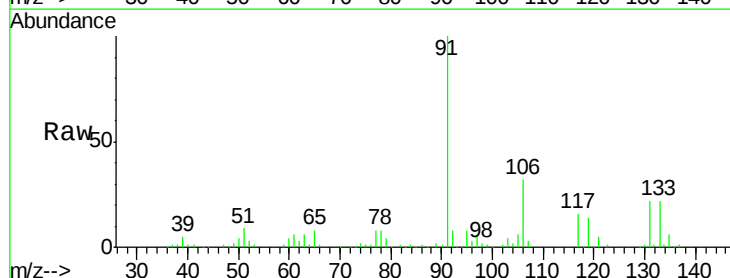
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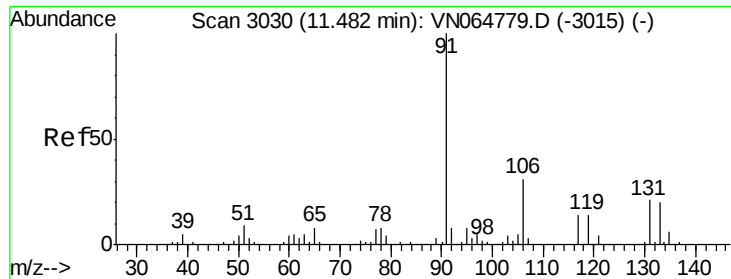
MMDadoda
12/7/2020 10:45:28 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.091 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Tgt Ion:131 Resp: 50871
Ion Ratio Lower Upper
131 100
133 98.1 47.5 142.5
119 67.2 33.3 99.8





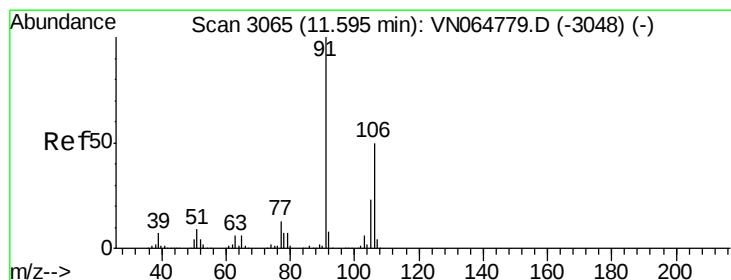
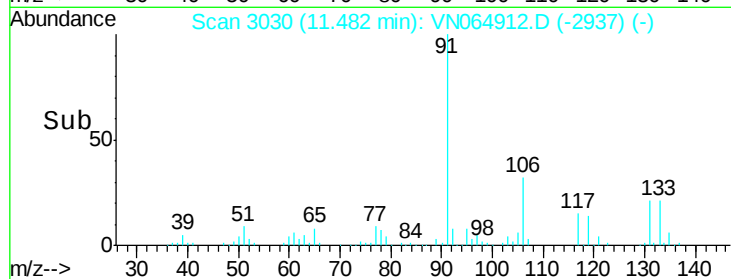
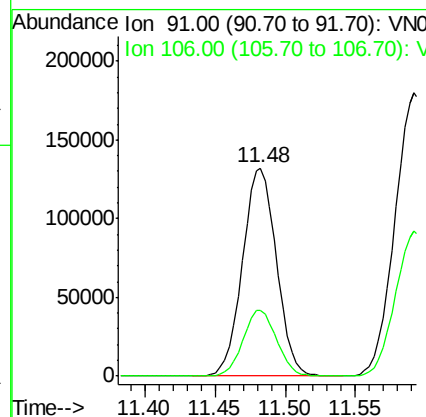
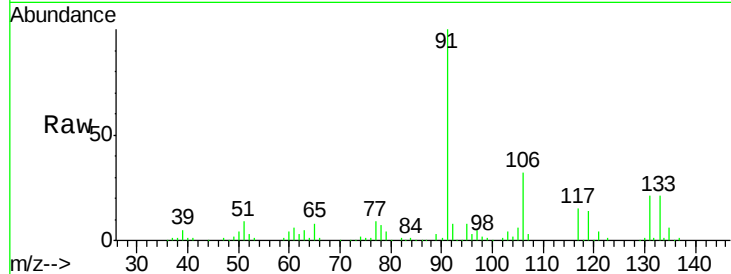
#67
Ethyl Benzene
Concen: 18.443 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Instrument :
MSVOA_N
ClientSampled :
VN1204WBS01

Tot Ion: 91 Resp: 223394
Ion Ratio Lower Upper
91 100
106 31.8 25.2 37.8

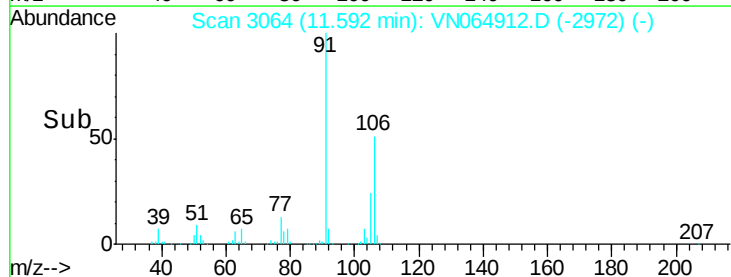
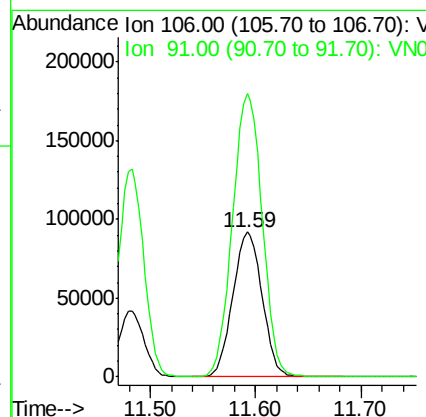
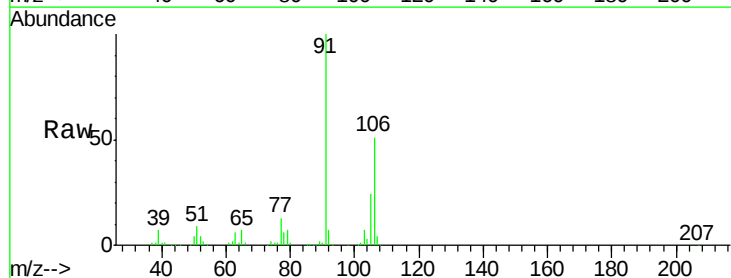
Manual Integrations
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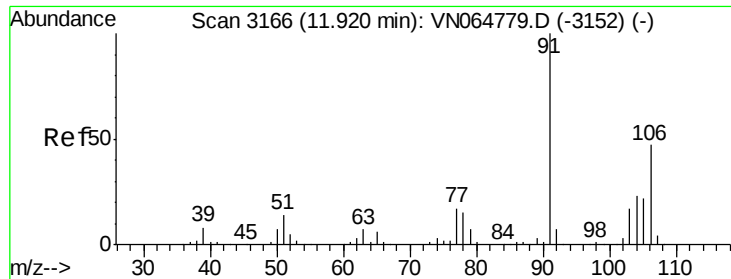
MMDadoda
12/7/2020 10:45:28 AM



#68
m/p-Xylenes
Concen: 38.617 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Tgt Ion: 106 Resp: 177097
Ion Ratio Lower Upper
106 100
91 197.8 161.0 241.4





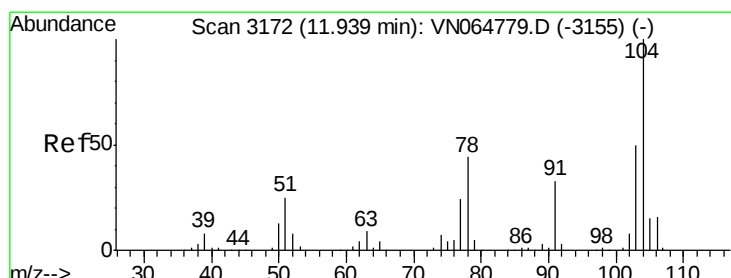
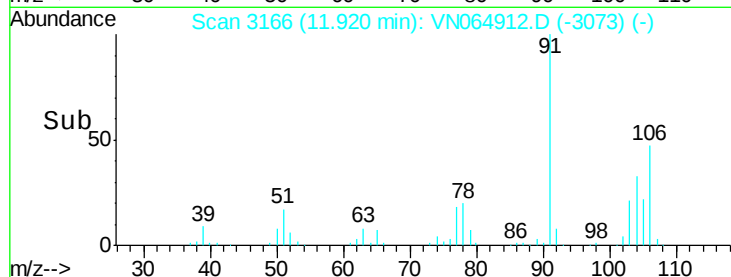
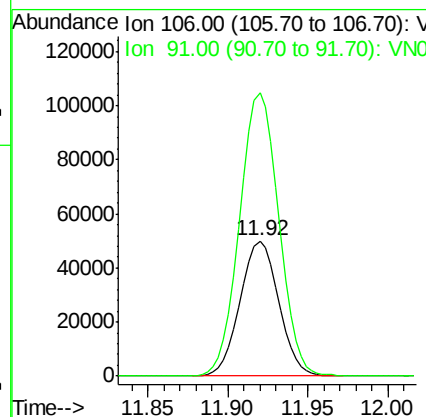
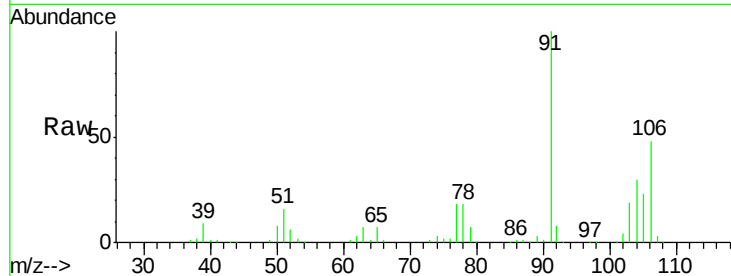
#69
o-Xylene
Concen: 18.929 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Instrument :
MSVOA_N
ClientSampled :
VN1204WBS01

Tot Ion:106 Resp: 82378
Ion Ratio Lower Upper
106 100
91 212.0 105.5 316.5

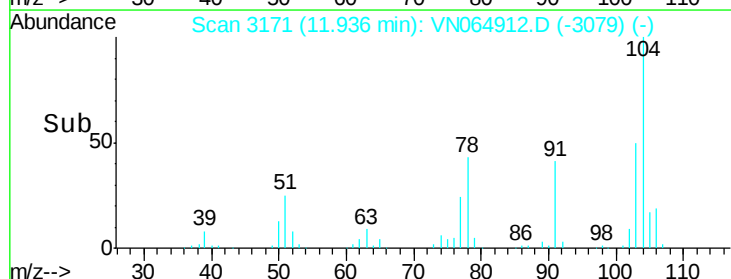
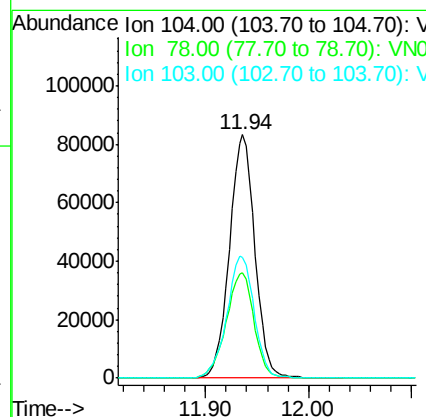
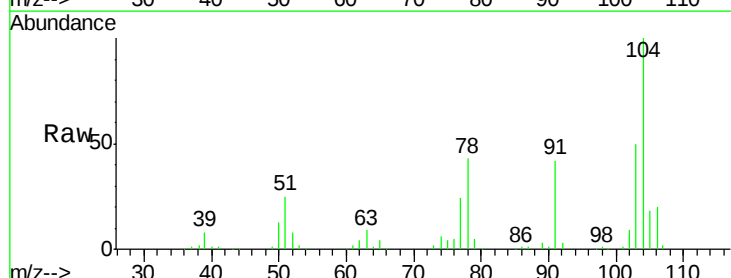
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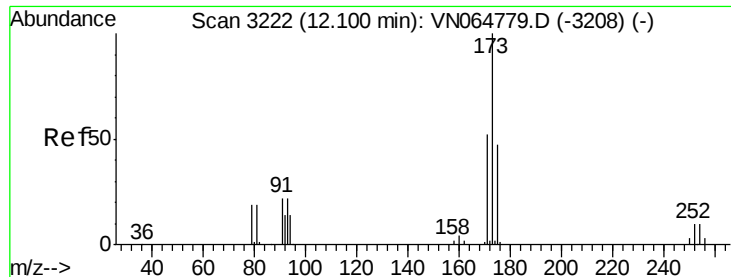
MMDadoda
12/7/2020 10:45:28 AM



#70
Styrene
Concen: 19.467 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Tgt Ion:104 Resp: 143018
Ion Ratio Lower Upper
104 100
78 47.5 39.0 58.6
103 53.9 44.3 66.5





#71

Bromoform

Concen: 17.706 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBS01

Tot Ion:173 Resp: 37684

Ion Ratio Lower Upper

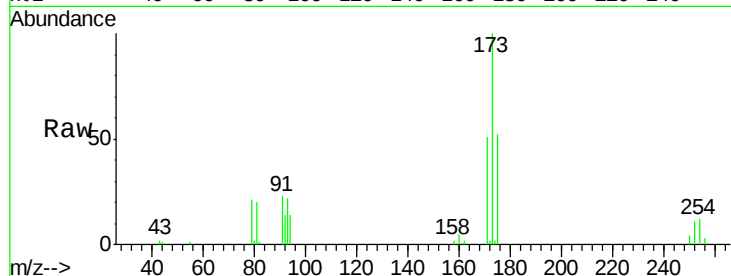
173 100

175 48.7 24.3 72.8

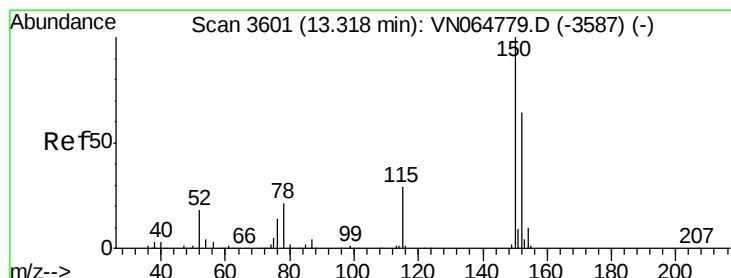
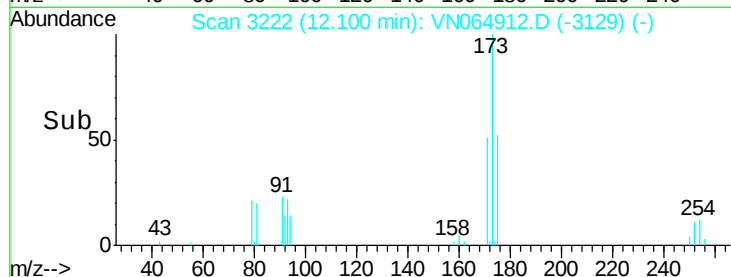
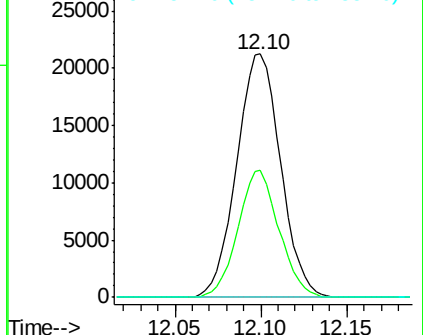
254 0.0 0.0 0.0

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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: VN064912.D

Acq: 4 Dec 2020 12:28

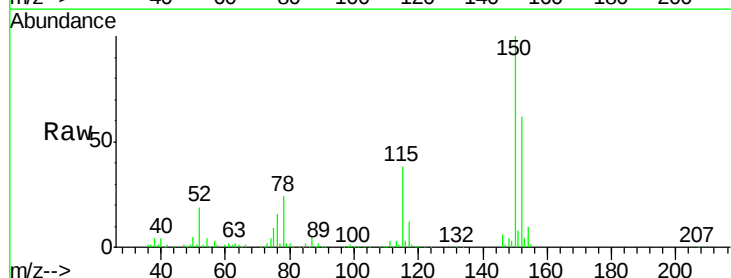
Tgt Ion:152 Resp: 161961

Ion Ratio Lower Upper

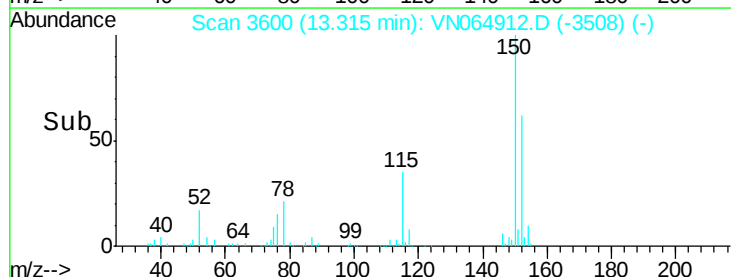
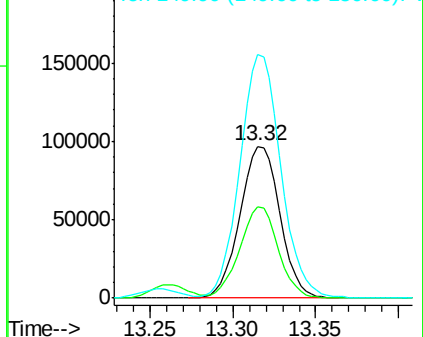
152 100

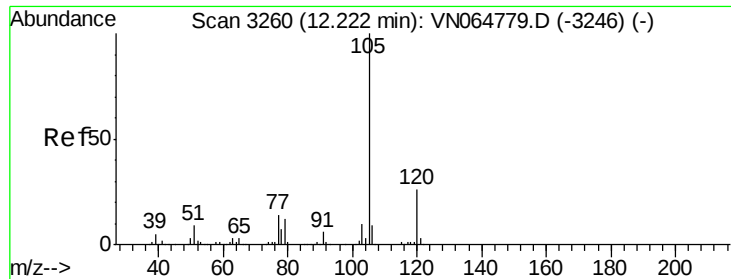
115 57.8 29.7 89.1

150 164.9 0.0 350.6



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: 19.436 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Instrument :

MSVOA_N

ClientSampled :

VN1204WBS01

Tot Ion: 105 Resp: 218955

Ion Ratio Lower Upper

105 100

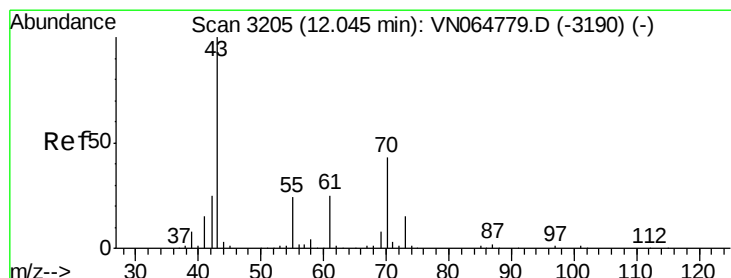
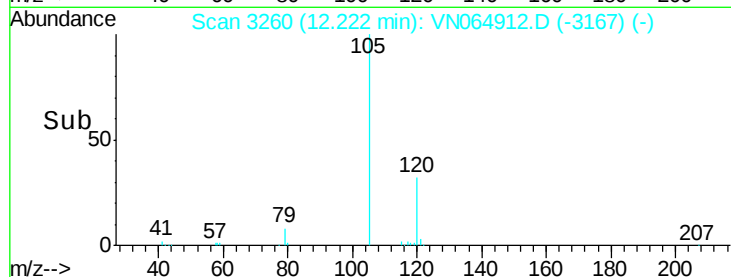
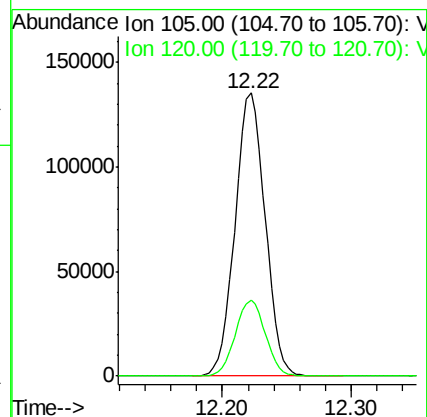
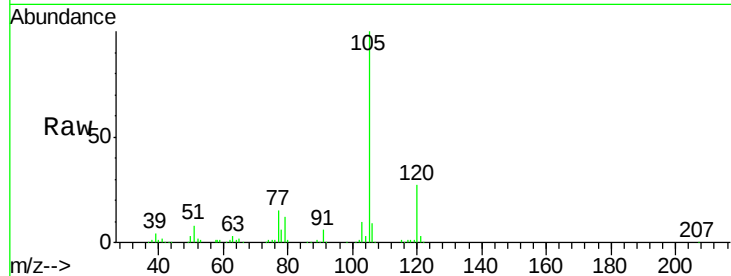
120 26.9 13.3 39.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 17.315 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Tgt Ion: 43 Resp: 76766

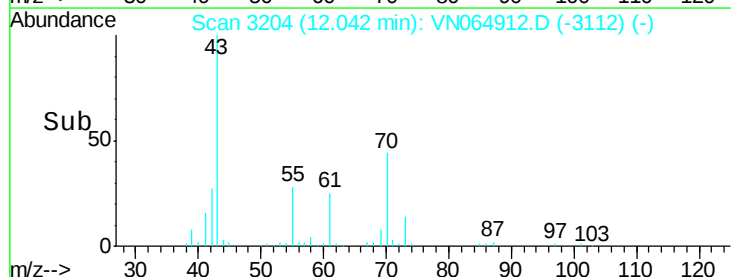
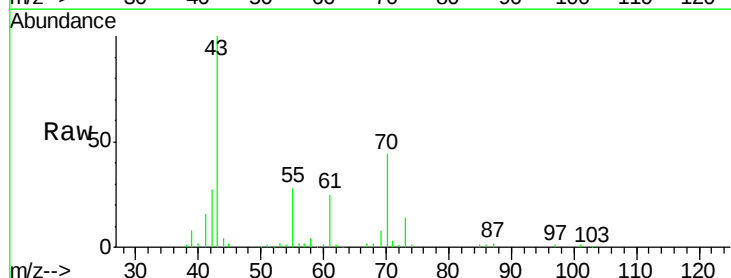
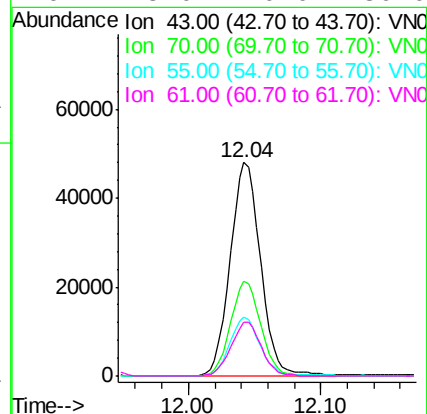
Ion Ratio Lower Upper

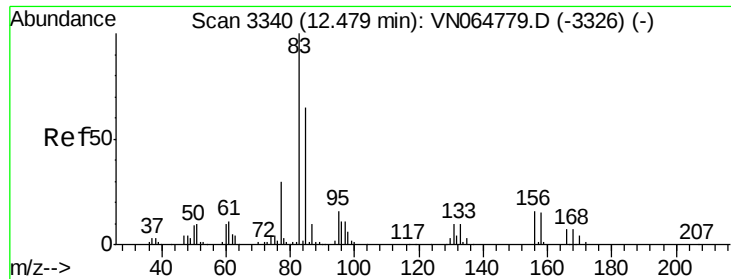
43 100

70 44.0 34.5 51.7

55 27.1 20.4 30.6

61 25.0 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.378 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Instrument :

MSVOA_N

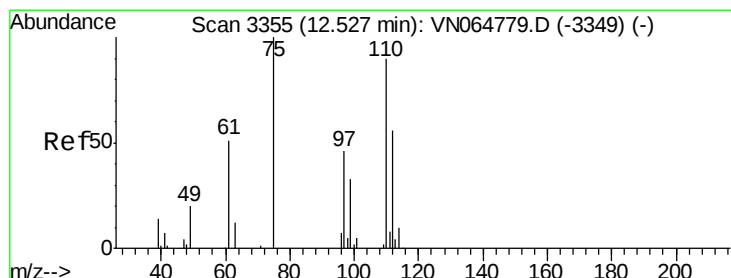
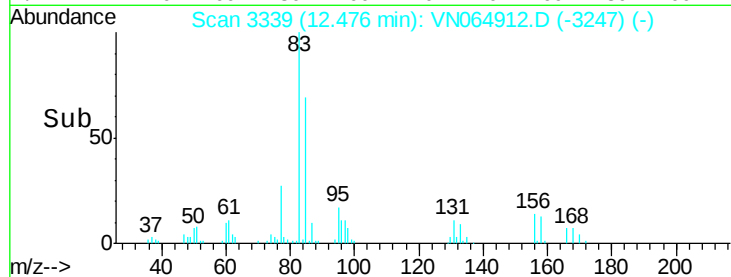
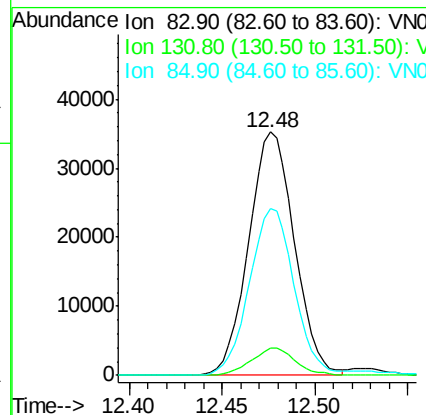
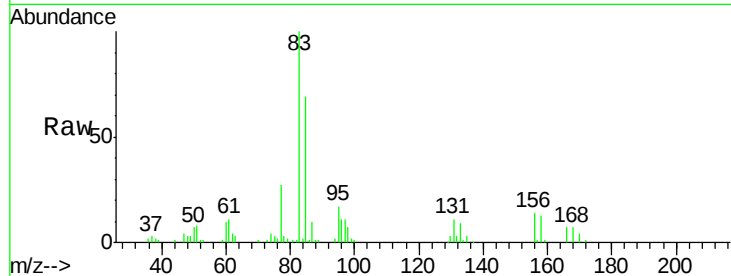
ClientSampleId :

VN1204WBS01

Tot Ion:	83	Resp:	60682
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.1	15.3
85	67.0	33.0	99.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.724 ug/l m

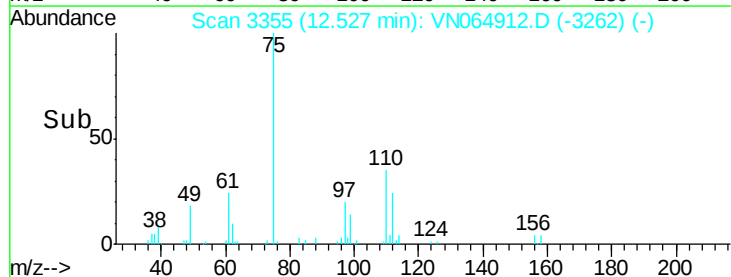
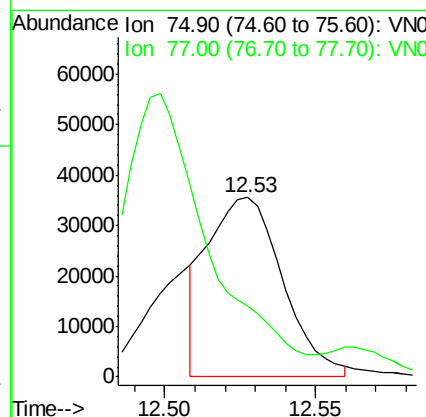
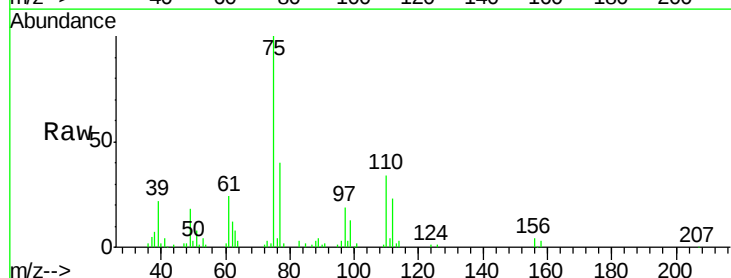
RT: 12.53 min Scan# 3355

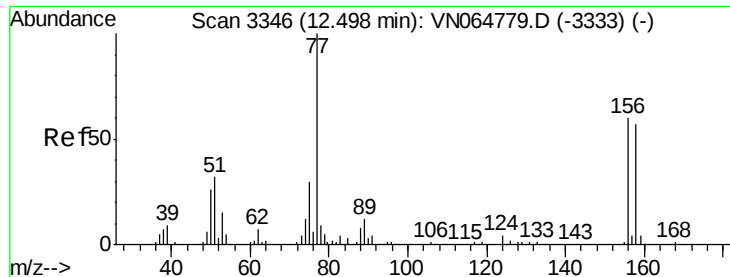
Delta R.T. 0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Tgt Ion:	75	Resp:	61821
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.214 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Instrument :

MSVOA_N

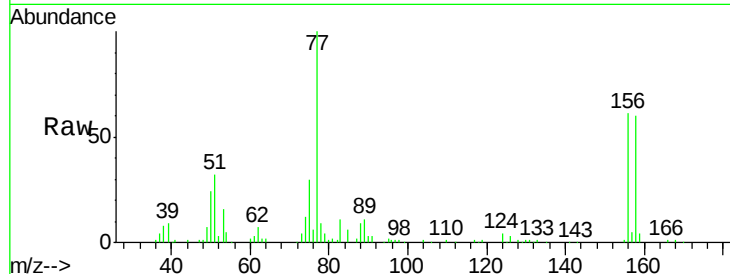
ClientSampled :

VN1204WBS01

Tot Ion:	156	Resp:	58357
Ion Ratio	Lower	Upper	
156	100		
77	199.4	101.3	303.7
158	95.6	48.2	144.6

Manual Integrations
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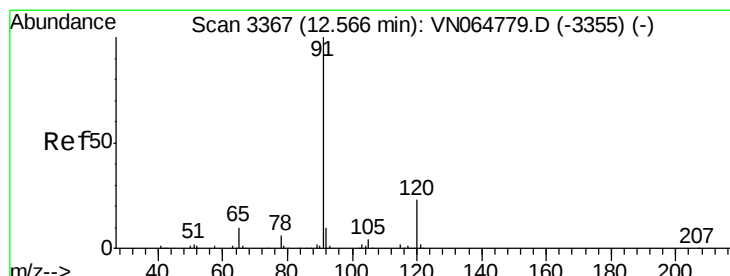
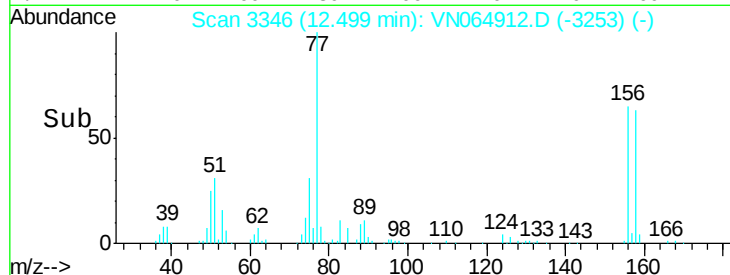
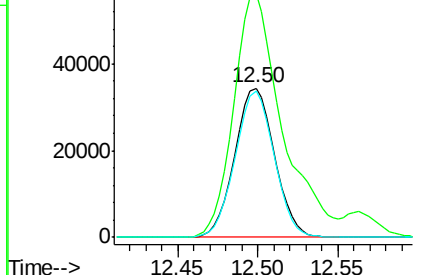
MMDadoda
12/7/2020 10:45:28 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.112 ug/l

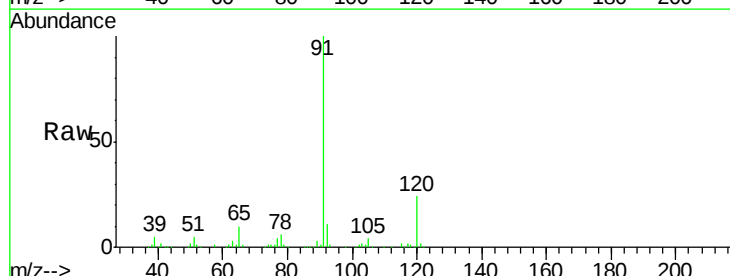
RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064912.D

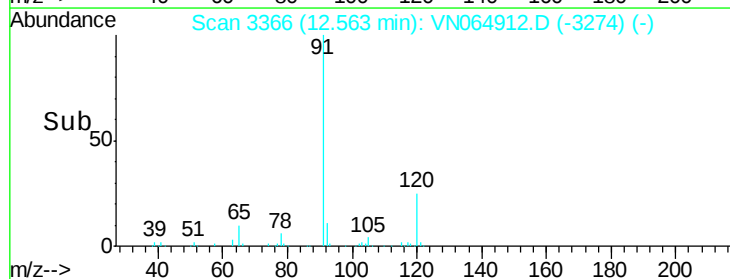
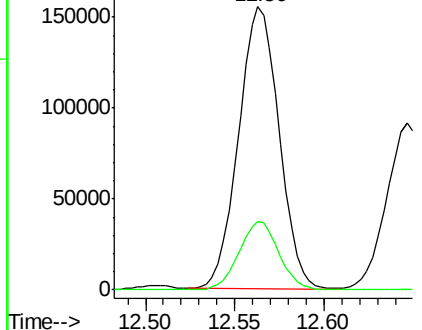
Acq: 4 Dec 2020 12:28

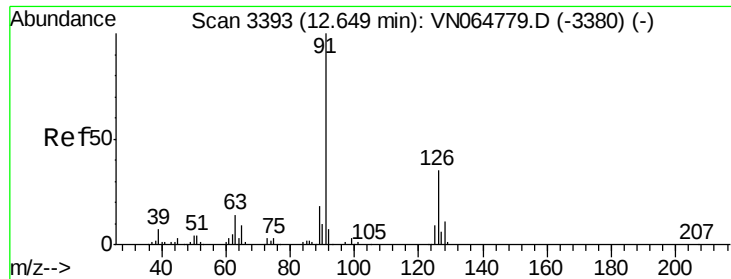
Tgt Ion:	91	Resp:	245271
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.6	34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





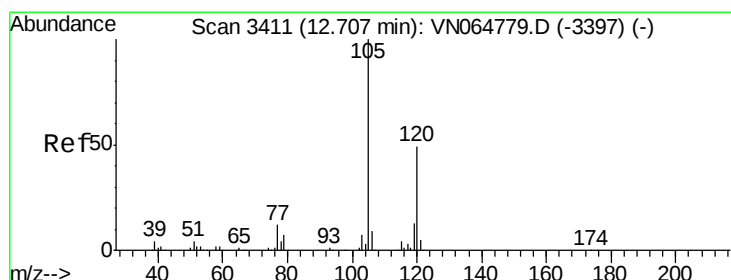
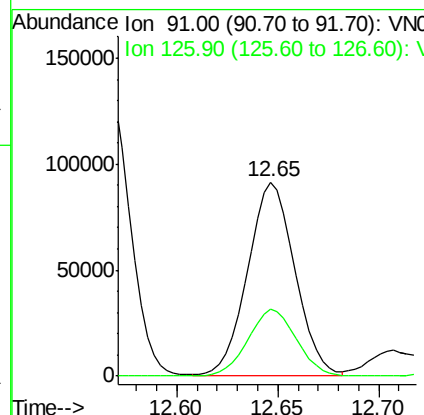
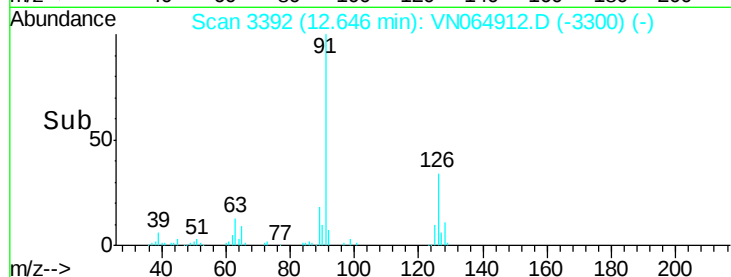
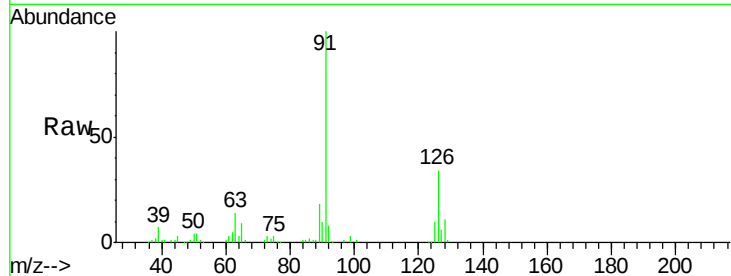
#79
2-Chlorotoluene
Concen: 18.734 ug/l
RT: 12.65 min Scan# 3392
Delta R.T. -0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Instrument :
MSVOA_N
ClientSampled :
VN1204WBS01

Tot Ion: 91 Resp: 148614
Ion Ratio Lower Upper
91 100
126 35.7 17.2 51.6

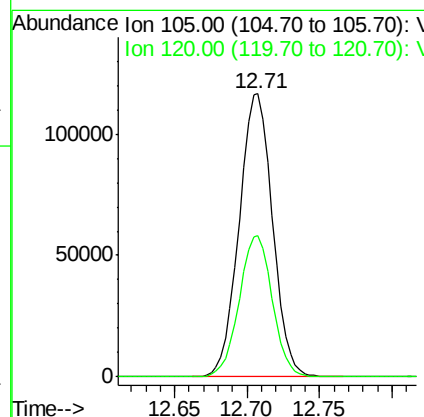
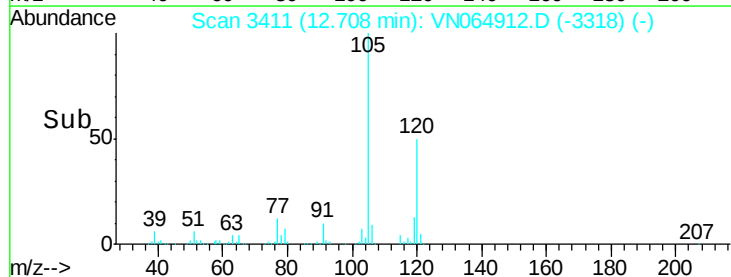
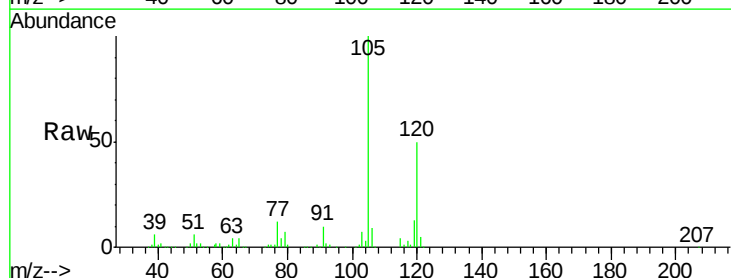
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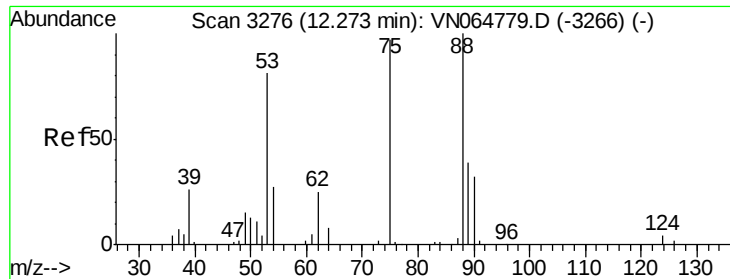
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#80
1,3,5-Trimethylbenzene
Concen: 19.935 ug/l
RT: 12.71 min Scan# 3411
Delta R.T. 0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Tgt Ion: 105 Resp: 186670
Ion Ratio Lower Upper
105 100
120 49.3 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 17.431 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Instrument :

MSVOA_N

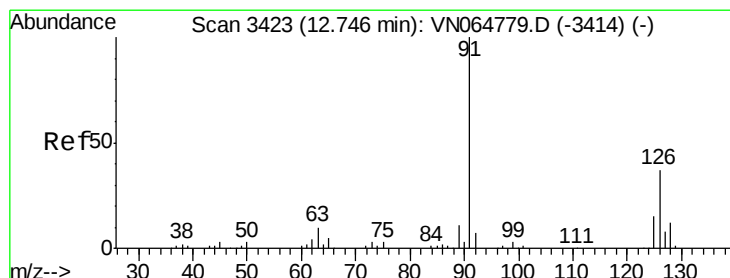
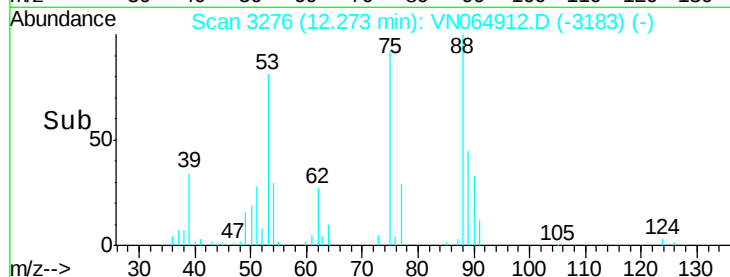
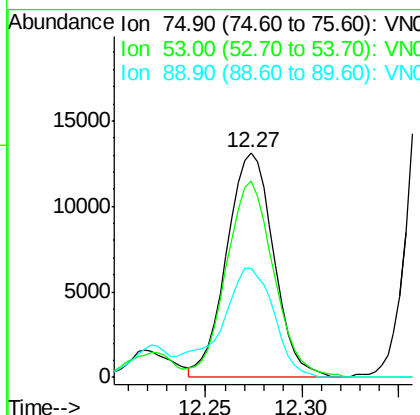
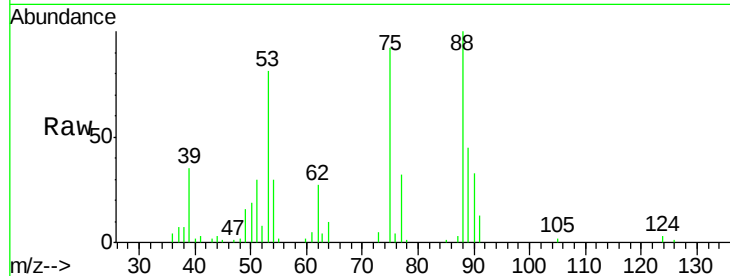
ClientSampleId :

VN1204WBS01

Tot Ion:	75	Resp:	22183
Ion	Ratio	Lower	Upper
75	100		
53	88.9	67.0	100.4
89	55.7	39.6	59.4

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#82

4-Chlorotoluene

Concen: 19.289 ug/l

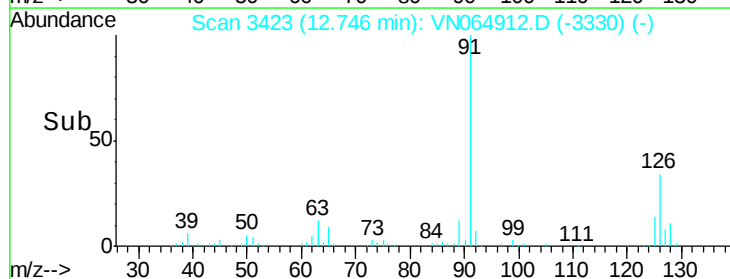
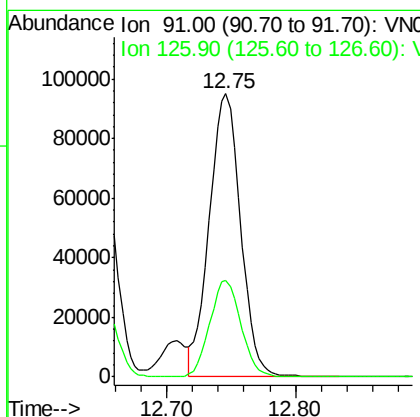
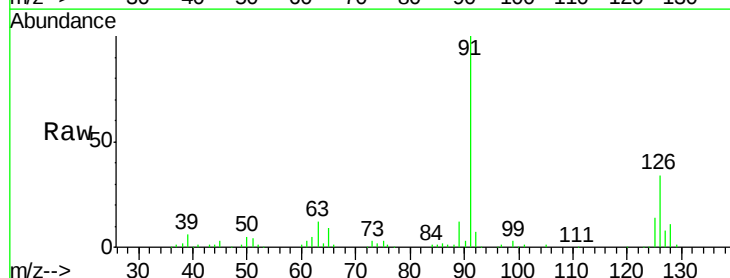
RT: 12.75 min Scan# 3423

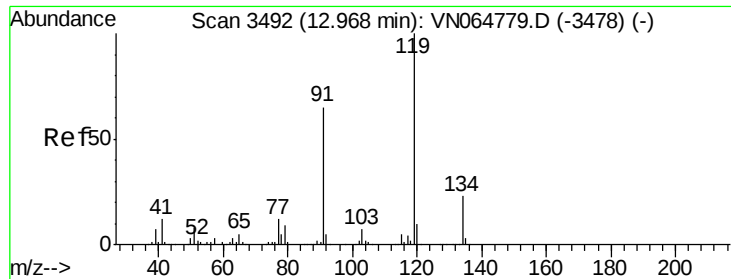
Delta R.T. 0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Tgt Ion:	91	Resp:	160394
Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.9	50.7





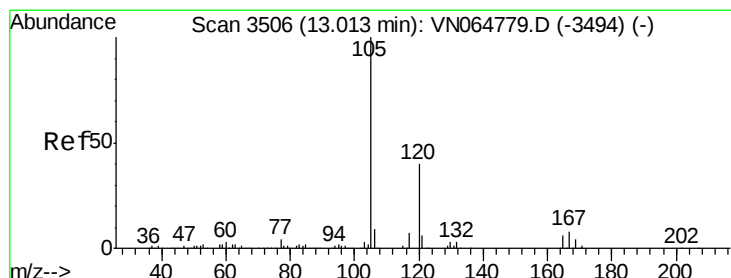
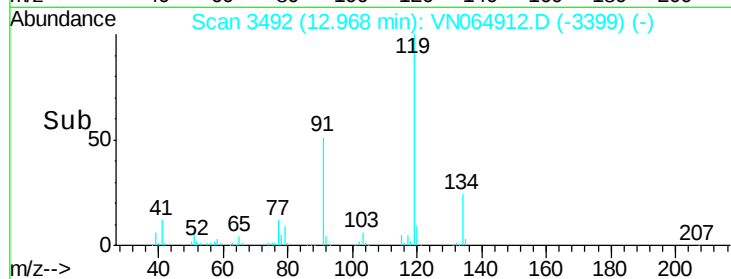
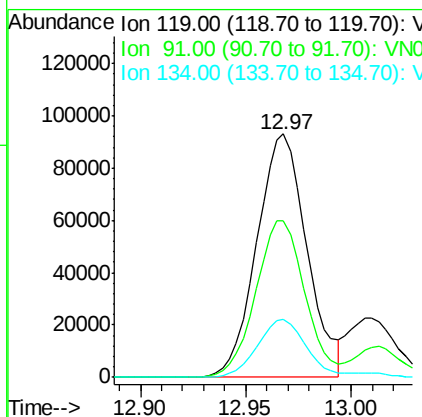
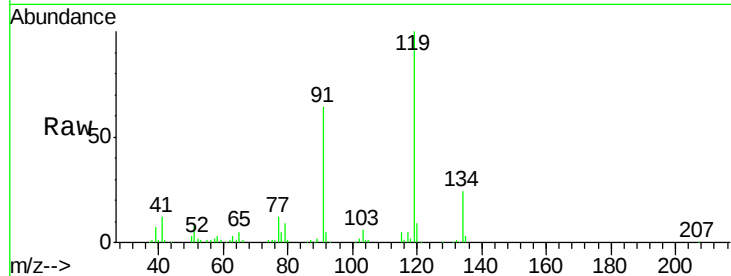
#83
 tert-Butylbenzene
 Concen: 19.598 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN064912.D
 Acq: 4 Dec 2020 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	153819		
91	63.0		32.3	96.8
134	24.4		12.6	37.6

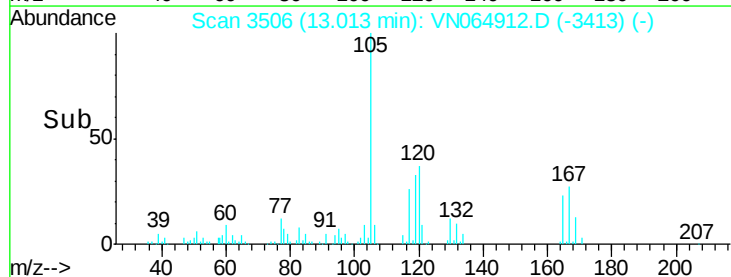
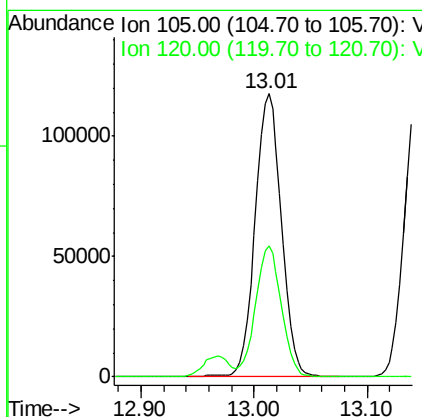
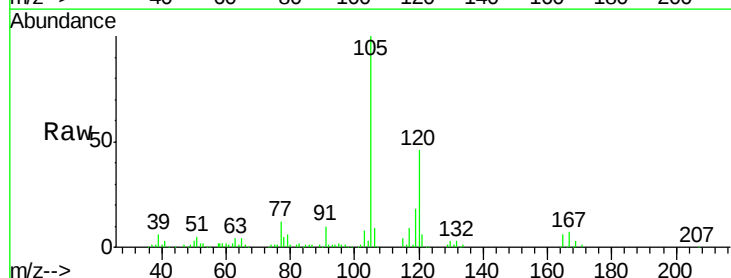
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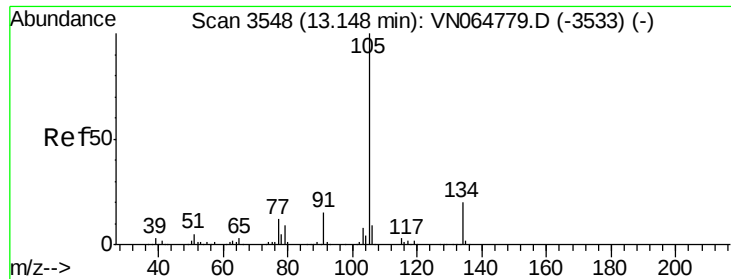
MMDadoda
 12/7/2020 10:45:28 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.091 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064912.D
 Acq: 4 Dec 2020 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	190209		
120	45.2		23.1	69.2





#85

sec-Butylbenzene

Concen: 19.421 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Instrument :

MSVOA_N

ClientSampled :

VN1204WBS01

Tot Ion:105 Resp: 202390

Ion Ratio Lower Upper

105 100

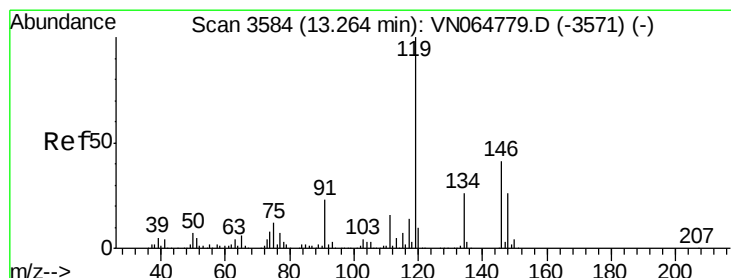
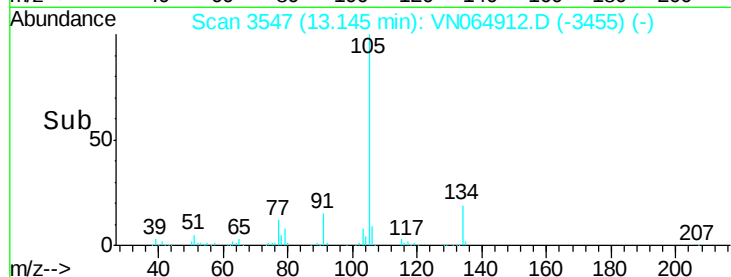
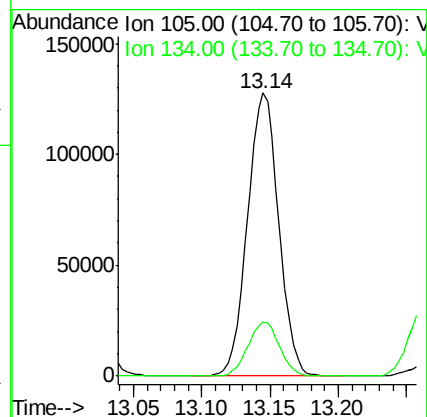
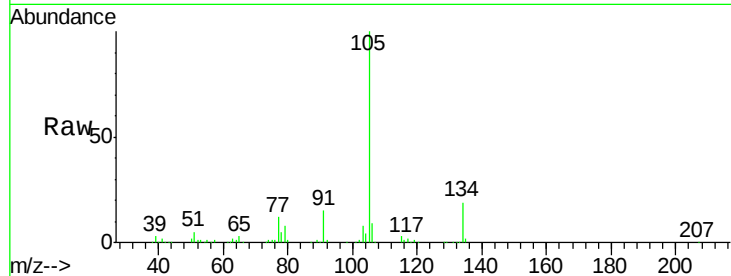
134 19.4 10.1 30.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.250 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

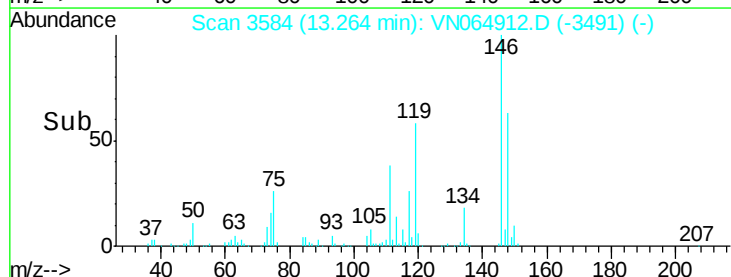
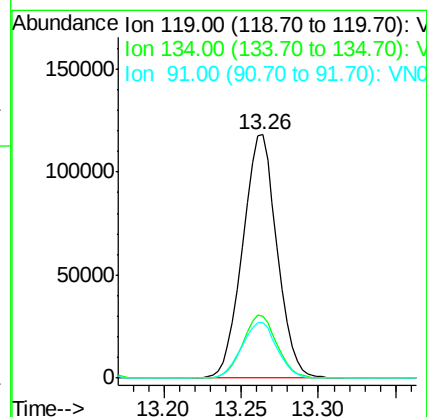
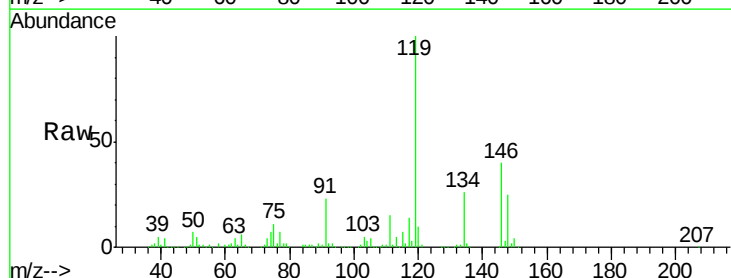
Tgt Ion:119 Resp: 182633

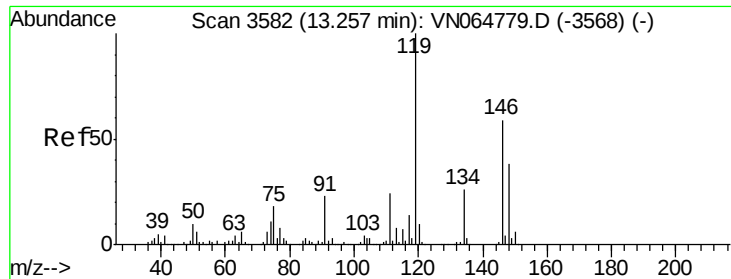
Ion Ratio Lower Upper

119 100

134 25.6 13.1 39.1

91 23.6 11.5 34.5





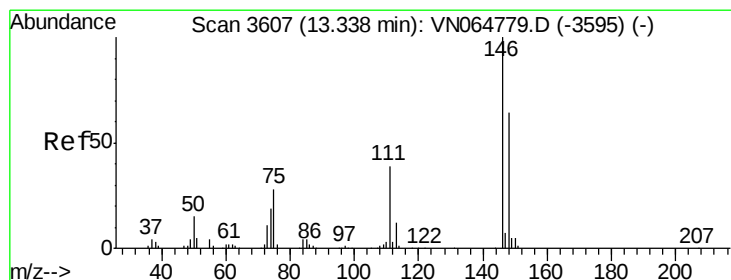
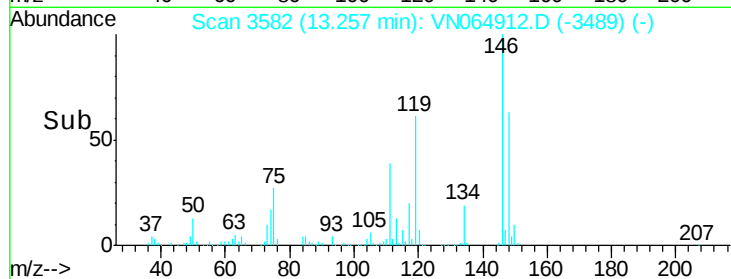
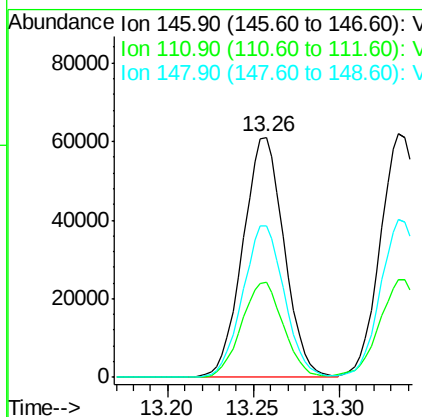
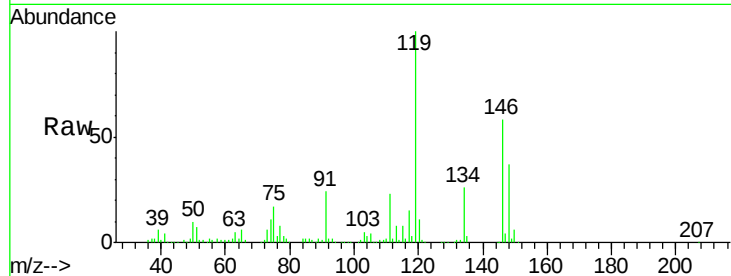
#87
 1,3-Dichlorobenzene
 Concen: 18.840 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064912.D
 Acq: 4 Dec 2020 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.6	61.9
148	63.7	31.9	95.5

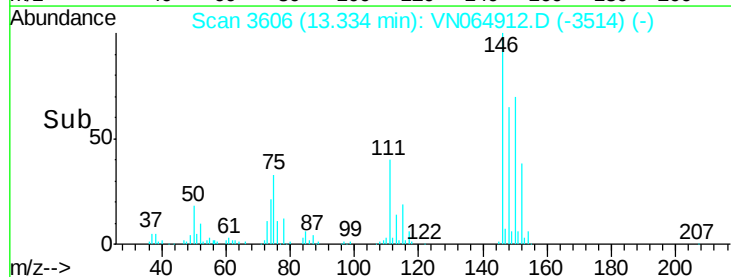
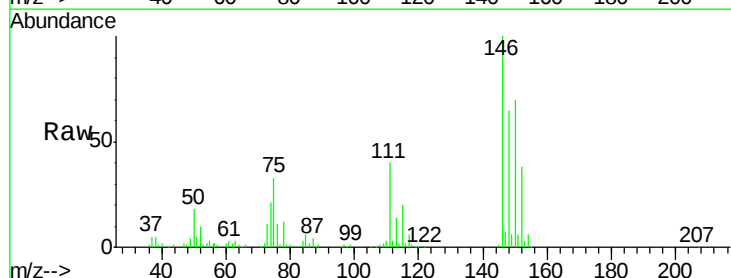
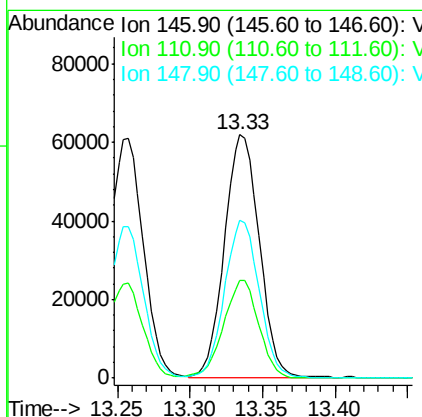
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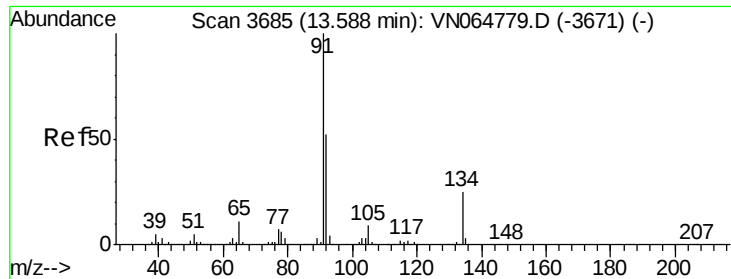
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 12/7/2020 10:45:28 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.028 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN064912.D
 Acq: 4 Dec 2020 12:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.8	59.3
148	64.9	31.9	95.5





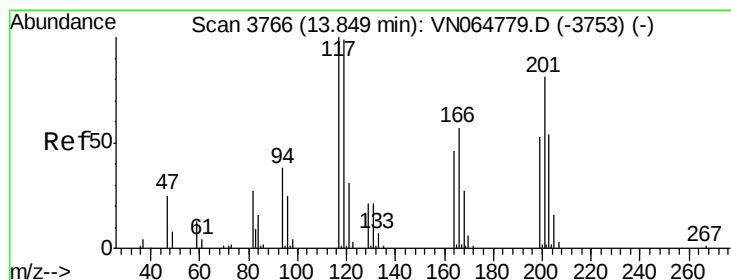
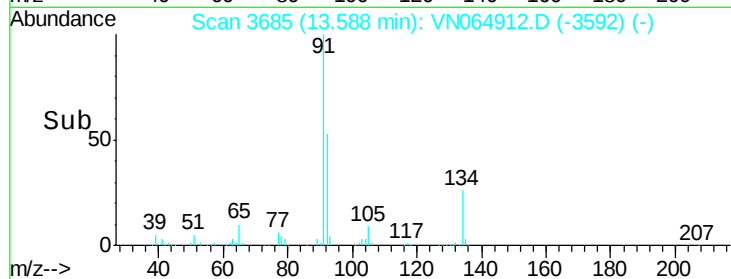
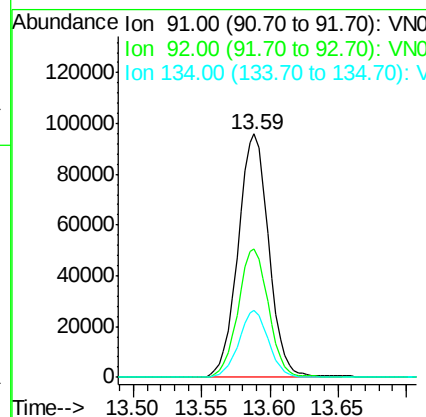
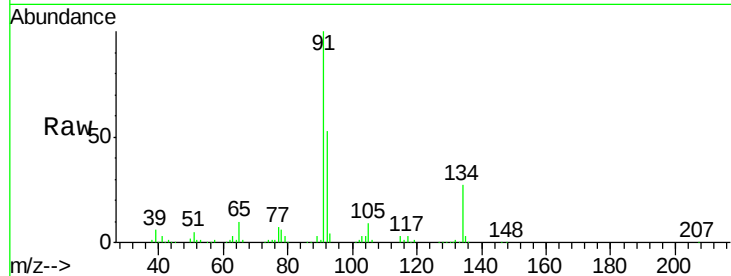
#89
n-Butylbenzene
Concen: 18.031 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.0	78.0
134	26.5	12.9	38.6

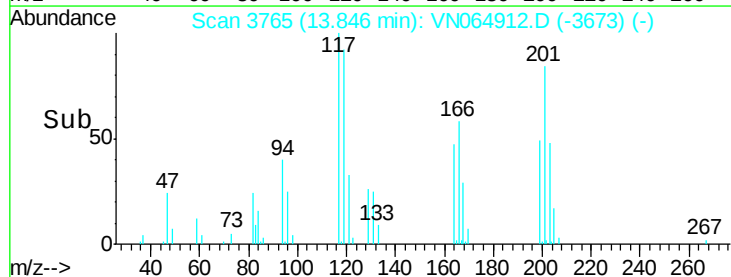
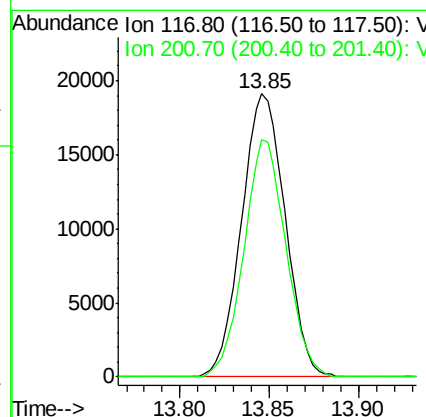
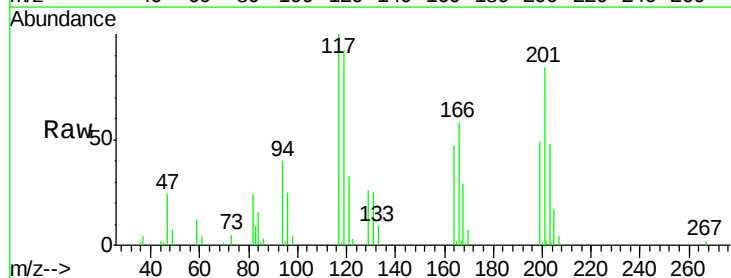
Manual Integrations
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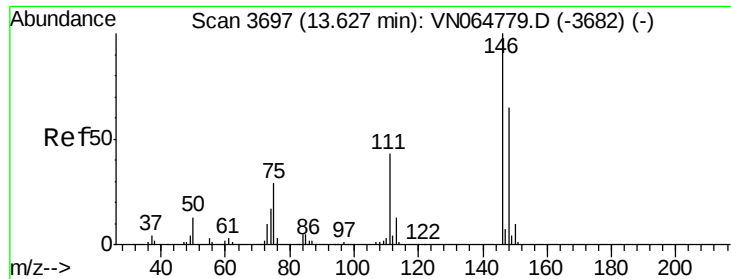
MMDadoda
12/7/2020 10:45:28 AM



#90
Hexachloroethane
Concen: 19.810 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064912.D
Acq: 4 Dec 2020 12:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.8	40.1	120.3





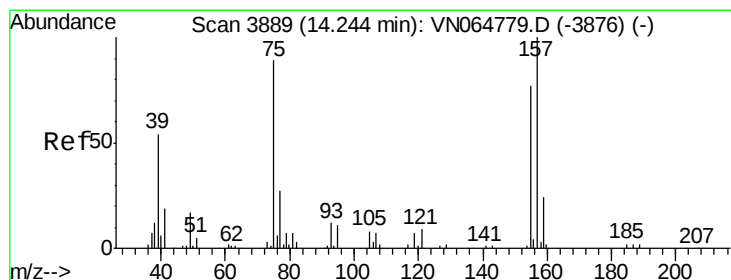
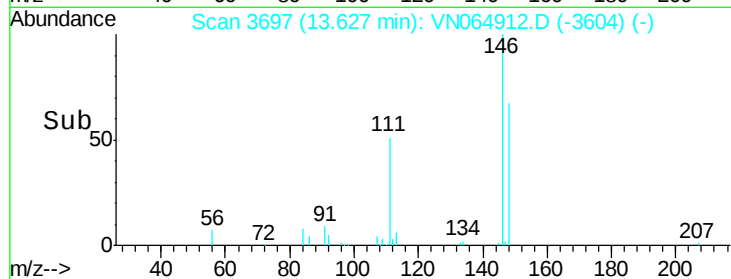
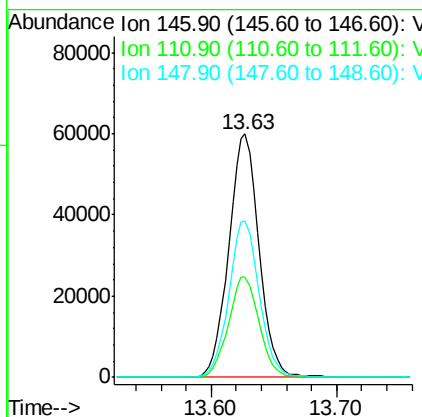
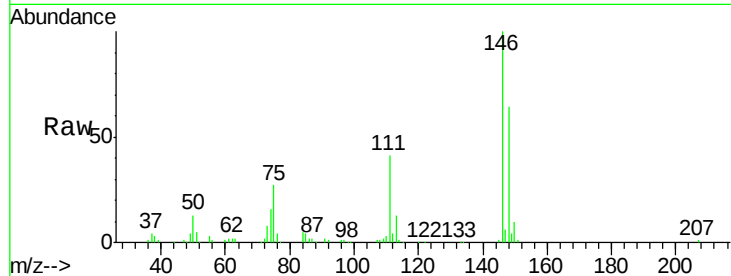
#91
 1,2-Dichlorobenzene
 Concen: 18.920 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064912.D
 Acq: 4 Dec 2020 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.1	63.1
148	64.3	32.0	96.2

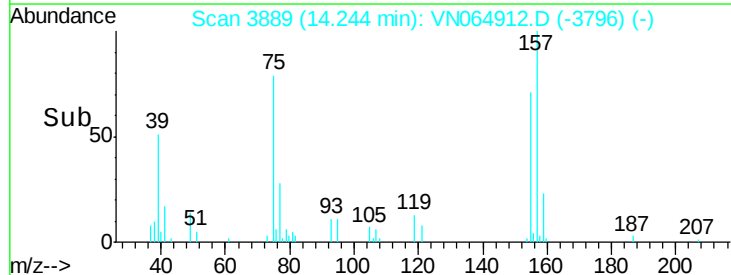
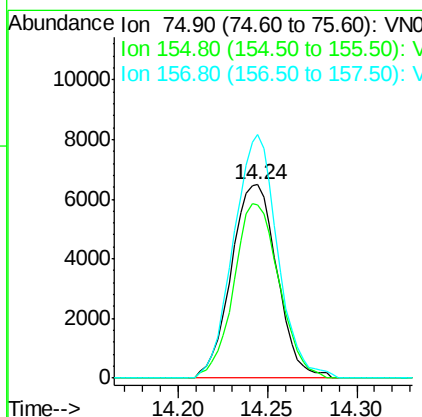
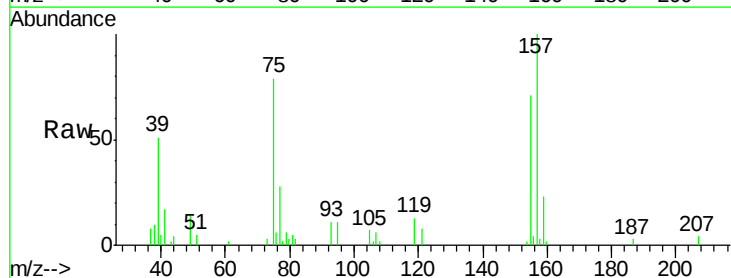
Manual Integrations
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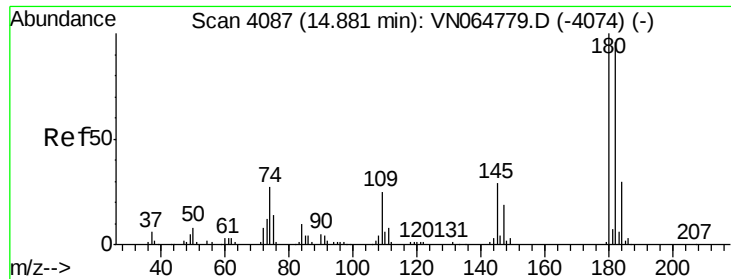
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.645 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064912.D
 Acq: 4 Dec 2020 12:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.2	42.8	128.3
157	121.2	56.4	169.1





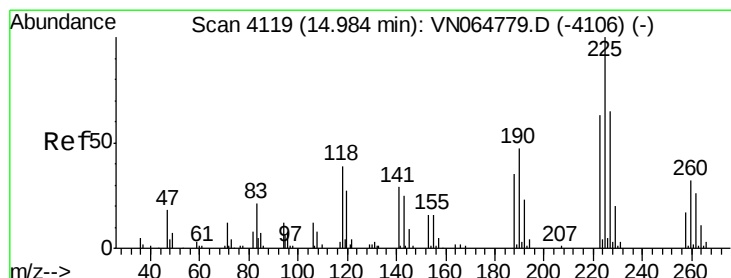
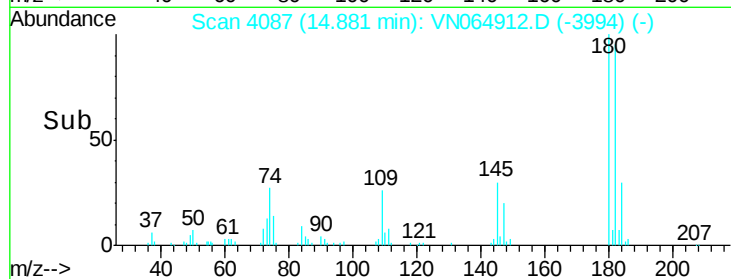
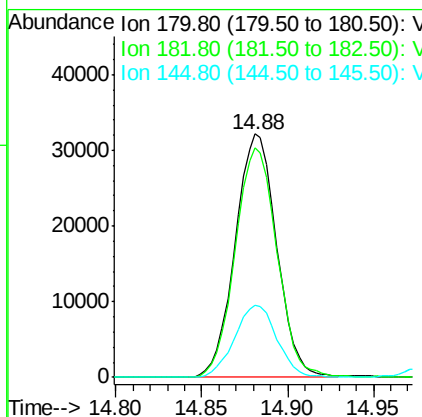
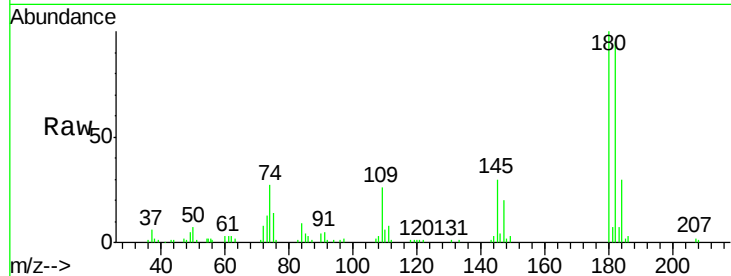
#93
 1,2,4-Trichlorobenzene
 Concen: 16.487 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064912.D
 Acq: 4 Dec 2020 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.6	142.9
145	30.1	15.3	45.8

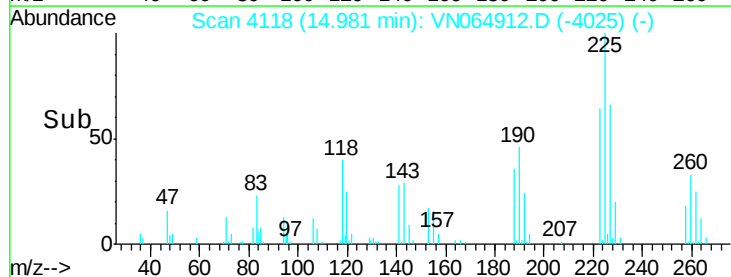
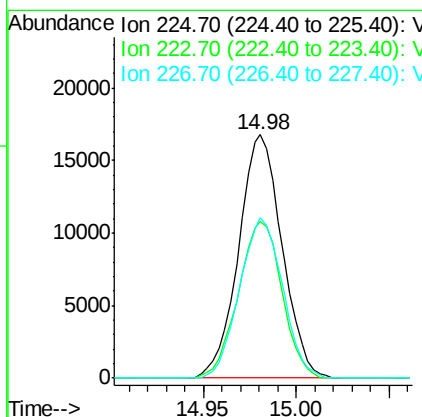
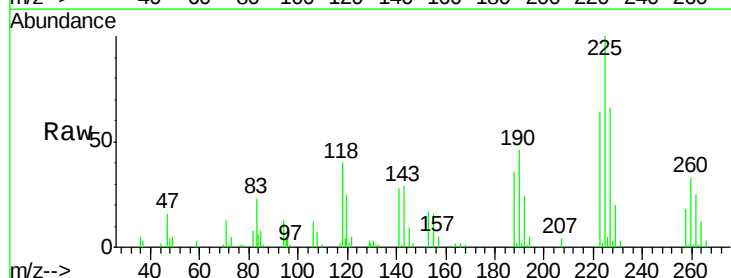
Manual Integrations
 APPROVED

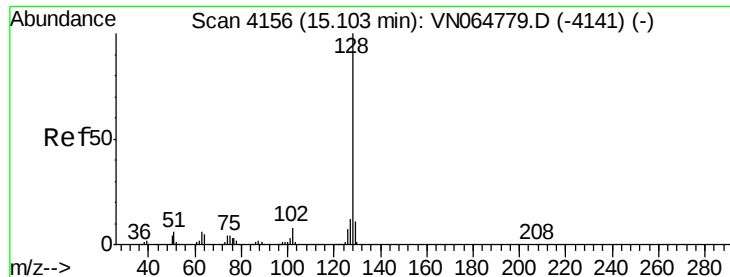
MMDadoda
 12/7/2020 10:45:28 AM



#94
 Hexachlorobutadiene
 Concen: 18.731 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064912.D
 Acq: 4 Dec 2020 12:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.0	93.0
227	65.3	32.0	96.0





#95

Naphthalene

Concen: 15.220 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Instrument :

MSVOA_N

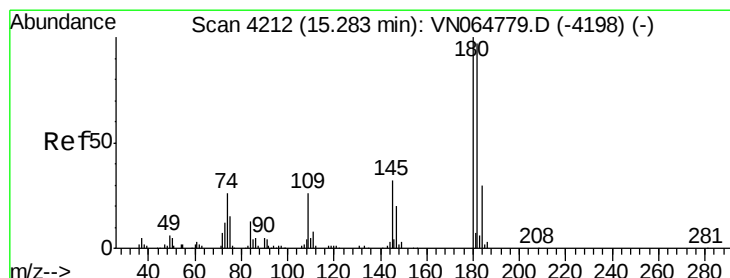
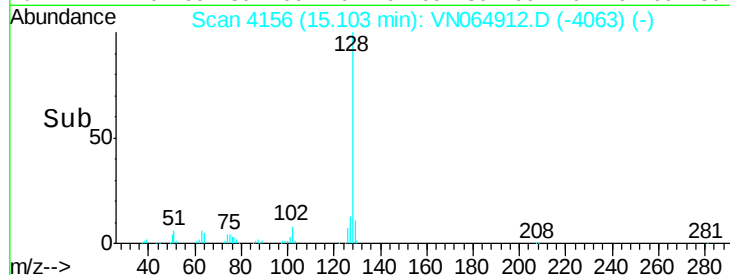
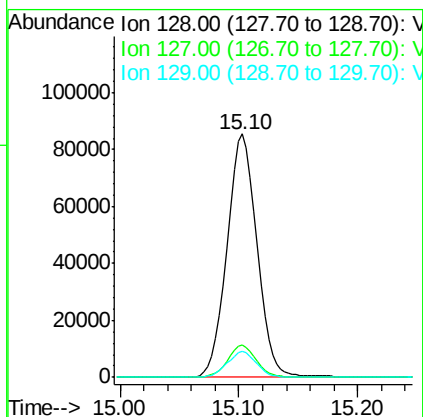
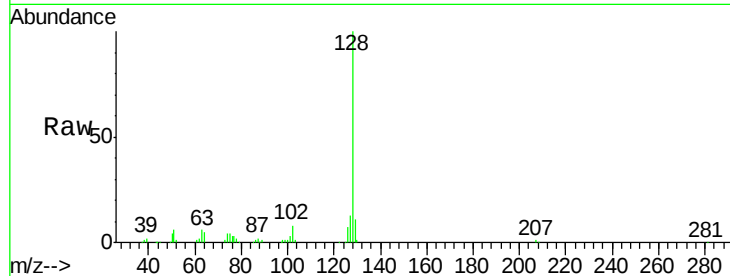
ClientSampleId :

VN1204WBS01

Tot Ion:	128	Resp:	149453
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.3	15.5
129	10.5	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
12/7/2020 10:45:28 AM



#96

1,2,3-Trichlorobenzene

Concen: 16.924 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064912.D

Acq: 4 Dec 2020 12:28

Tgt Ion:	180	Resp:	49762
Ion Ratio	Lower	Upper	
180	100		
182	100.3	48.1	144.4
145	33.1	16.4	49.1

