

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070620\
 Data File : VN062368.D
 Acq On : 6 Jul 2020 15:53
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN070620

Manual Integrations
 APPROVED

MMDadoda
 7/7/2020 10:08:50 AM

Quant Time: Jul 07 05:15:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070620W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 07 05:08:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	1143844	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	1928030	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	1806584	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	897500	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	983918	47.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.10%	
35) Dibromofluoromethane	7.55	113	647353	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
50) Toluene-d8	10.06	98	2497917	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
62) 4-Bromofluorobenzene	12.38	95	954322	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	612307	47.305	ug/l	99
3) Chloromethane	2.03	50	863508	44.904	ug/l	97
4) Vinyl Chloride	2.16	62	721530	43.939	ug/l	98
5) Bromomethane	2.52	94	424605	49.863	ug/l	96
6) Chloroethane	2.66	64	426946	44.724	ug/l	97
7) Trichlorofluoromethane	2.98	101	1030940	45.486	ug/l	99
8) Diethyl Ether	3.37	74	414254	47.309	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	576081	45.490	ug/l	98
10) Methyl Iodide	3.91	142	707517	46.532	ug/l	100
11) Tert butyl alcohol	4.74	59	723174	252.460	ug/l	99
12) 1,1-Dichloroethene	3.70	96	552460	46.994	ug/l	100
13) Acrolein	3.57	56	281279	231.327	ug/l	95
14) Allyl chloride	4.27	41	1422685	49.659	ug/l	97
15) Acrylonitrile	4.93	53	1900004	252.547	ug/l	99
16) Acetone	3.78	43	2367742	248.216	ug/l	99
17) Carbon Disulfide	4.01	76	1667646	44.802	ug/l	99
18) Methyl Acetate	4.28	43	937836	49.312	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	2266775	50.383	ug/l	98
20) Methylene Chloride	4.50	84	704832	50.501	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	600303	46.238	ug/l	99
22) Diisopropyl ether	5.90	45	2862931	49.962	ug/l	98
23) Vinyl Acetate	5.84	43	11795000	256.819	ug/l	98
24) 1,1-Dichloroethane	5.80	63	1355918	47.749	ug/l	99
25) 2-Butanone	6.79	43	3118890	259.633	ug/l	99
26) 2,2-Dichloropropane	6.78	77	1111412	47.516	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	716454	48.176	ug/l	99
28) Bromochloromethane	7.15	49	798184	50.300	ug/l	100
29) Tetrahydrofuran	7.17	42	2005514	262.669	ug/l	99
30) Chloroform	7.33	83	1291315	46.728	ug/l	97
31) Cyclohexane	7.61	56	1225162	46.696	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	1101196	47.423	ug/l	99
36) 1,1-Dichloropropene	7.75	75	971236	47.941	ug/l	99
37) Ethyl Acetate	6.88	43	1243820	51.752	ug/l	100
38) Carbon Tetrachloride	7.73	117	956408	46.945	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	1062993	48.790	ug/l	99
40) Benzene	8.00	78	2757810	47.918	ug/l	99
41) Methacrylonitrile	7.12	41	521277	42.967	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	1202137	47.407	ug/l	99
43) Isopropyl Acetate	8.13	43	2097840	52.222	ug/l	100
44) Trichloroethene	8.80	130	646577	46.993	ug/l	99
45) 1,2-Dichloropropane	9.08	63	799981	47.420	ug/l	98
46) Dibromomethane	9.17	93	497841	47.680	ug/l	98
47) Bromodichloromethane	9.37	83	1064602	47.835	ug/l	97
48) Methyl methacrylate	9.17	41	1031499	50.310	ug/l	97
49) 1,4-Dioxane	9.17	88	270487	971.409	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	5886886	258.277	ug/l	100
52) Toluene	10.12	92	1709731	49.679	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	1205081	50.323	ug/l	96
54) cis-1,3-Dichloropropene	9.81	75	1268151	49.631	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	672583	48.768	ug/l	99
56) Ethyl methacrylate	10.40	69	1170608	52.699	ug/l	99
57) 1,3-Dichloropropane	10.68	76	1236476	48.278	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	2056210	257.366	ug/l	99
59) 2-Hexanone	10.72	43	4568787	280.613	ug/l	100
60) Dibromochloromethane	10.87	129	775552	49.381	ug/l	99
61) 1,2-Dibromoethane	10.98	107	697649	49.275	ug/l	98
64) Tetrachloroethene	10.60	164	543660	46.771	ug/l	99
65) Chlorobenzene	11.41	112	1778768	48.007	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	683259	49.041	ug/l	99
67) Ethyl Benzene	11.48	91	3325740	50.831	ug/l	100
68) m/p-Xylenes	11.60	106	2450936	101.916	ug/l	100
69) o-Xylene	11.92	106	1169076	49.423	ug/l	99
70) Styrene	11.94	104	2018076	51.631	ug/l	99
71) Bromoform	12.10	173	534571	48.868	ug/l #	100
73) Isopropylbenzene	12.22	105	3191265	47.572	ug/l	100
74) N-amyl acetate	12.04	43	1859331	52.117	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.48	83	1055293	45.448	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	953743m	43.996	ug/l	
77) Bromobenzene	12.50	156	746775	47.593	ug/l	96
78) n-propylbenzene	12.57	91	3771928	47.993	ug/l	99
79) 2-Chlorotoluene	12.65	91	2267896	47.050	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	2717803	48.676	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	371995	49.072	ug/l	98
82) 4-Chlorotoluene	12.75	91	2385755	48.391	ug/l	100
83) tert-Butylbenzene	12.97	119	2277177	48.125	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	2729297	49.447	ug/l	99
85) sec-Butylbenzene	13.15	105	3050573	50.329	ug/l	100
86) p-Isopropyltoluene	13.26	119	2726492	49.911	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	1339565	47.435	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	1357594	46.519	ug/l	100
89) n-Butylbenzene	13.59	91	2428923	51.493	ug/l	99
90) Hexachloroethane	13.85	117	516505	44.217	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	1313875	48.581	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	215008	47.248	ug/l	98

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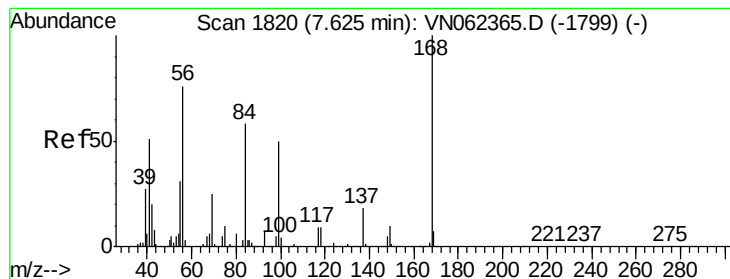
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	668150	46.665	ug/l	99
94) Hexachlorobutadiene	14.98	225	360261	50.362	ug/l	99
95) Naphthalene	15.10	128	1846920	48.366	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	661332	50.804	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062368.D

Acq: 6 Jul 2020 15:53

Instrument :

MSVOA_N

ClientSampled :

ICVVN070620

Tot Ion:168 Resp: 1143844

Ion Ratio Lower Upper

168 100

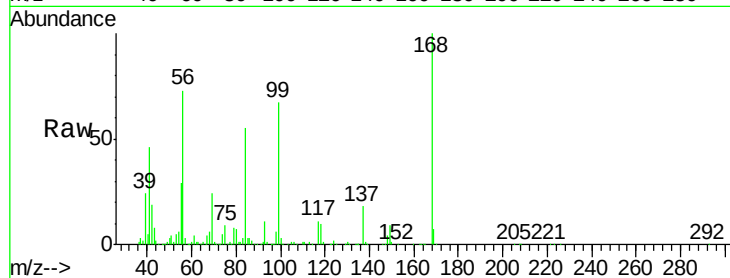
99 66.9 52.9 79.3

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

500000

400000

300000

200000

100000

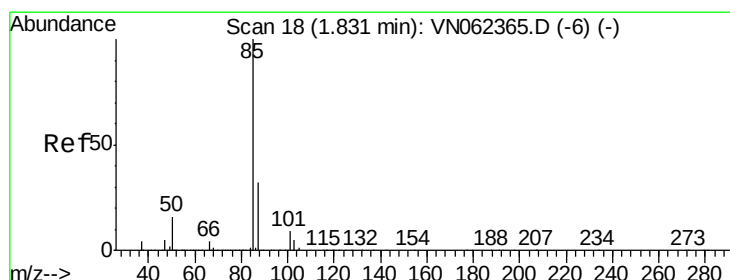
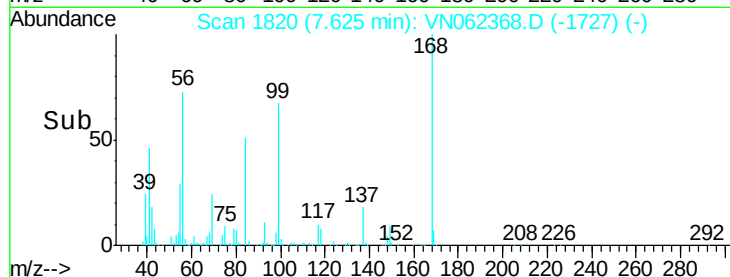
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 47.305 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062368.D

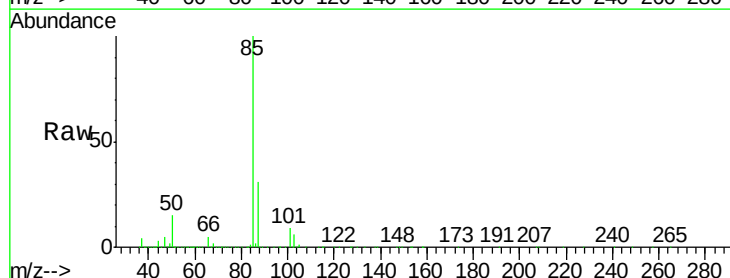
Acq: 6 Jul 2020 15:53

Tgt Ion: 85 Resp: 612307

Ion Ratio Lower Upper

85 100

87 31.0 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

500000

400000

300000

200000

100000

0

1.75

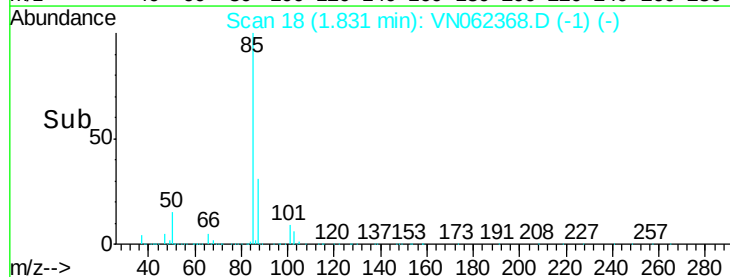
1.80

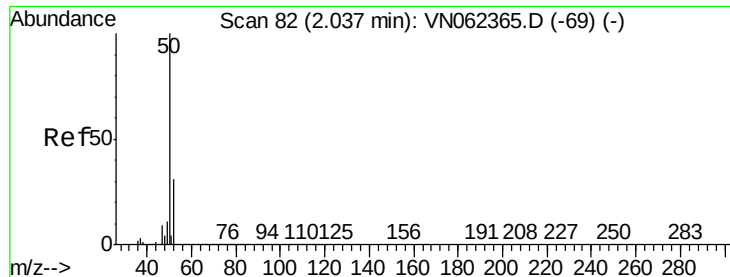
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 44.904 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062368.D

Acq: 6 Jul 2020 15:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN070620

Tot Ion: 50 Resp: 863508

Ion Ratio Lower Upper

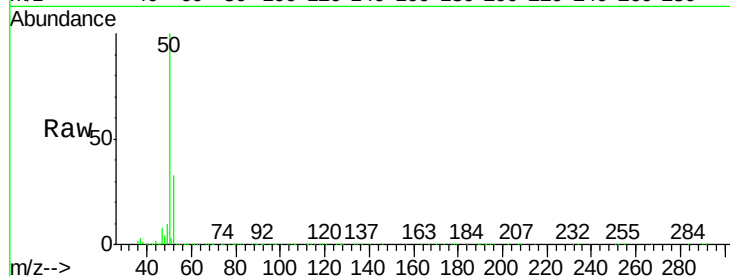
50 100

52 32.9 25.0 37.6

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.03

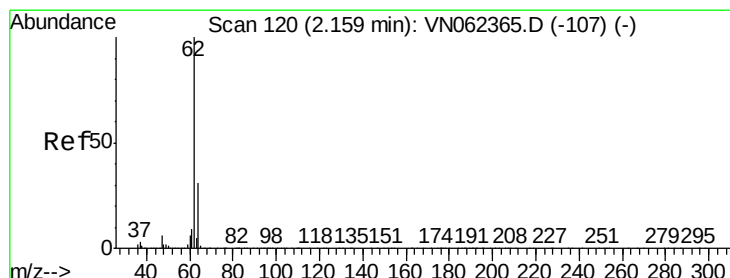
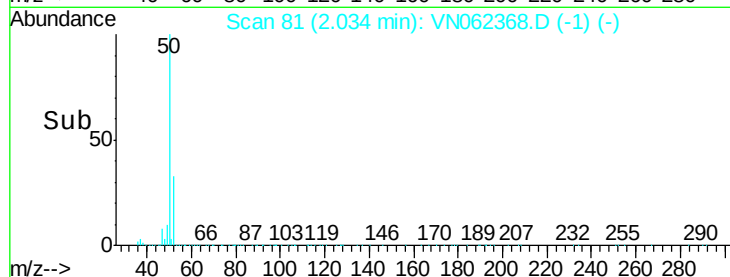
600000

400000

200000

0

Time--> 1.95 2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 43.939 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN062368.D

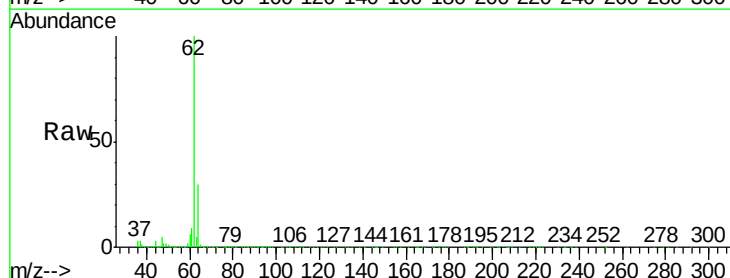
Acq: 6 Jul 2020 15:53

Tgt Ion: 62 Resp: 721530

Ion Ratio Lower Upper

62 100

64 30.1 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

500000

400000

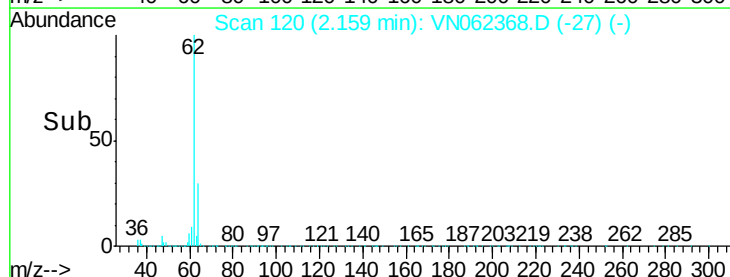
300000

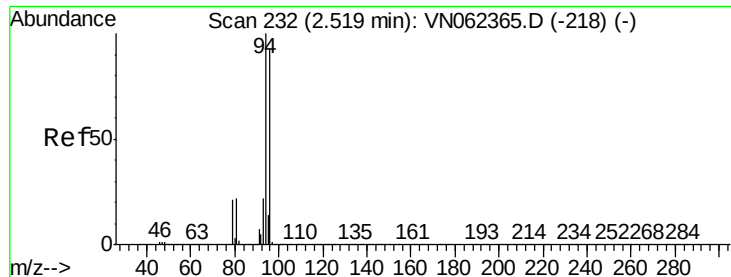
200000

100000

0

Time--> 2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 49.863 ug/l

RT: 2.52 min Scan# 233

Delta R.T. 0.00 min

Lab File: VN062368.D

Acq: 6 Jul 2020 15:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN070620

Tot Ion: 94 Resp: 424605

Ion Ratio Lower Upper

94 100

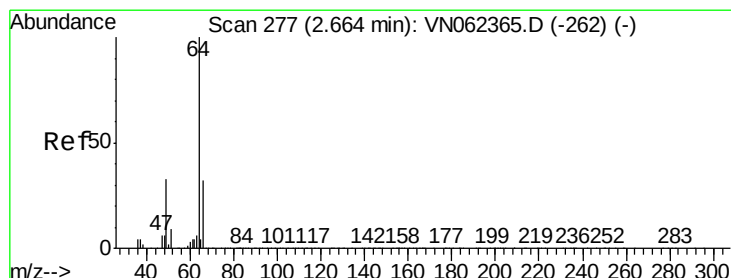
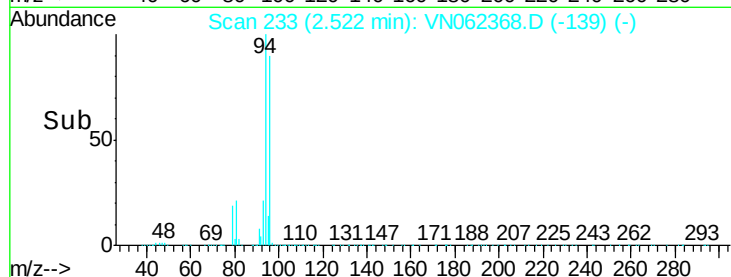
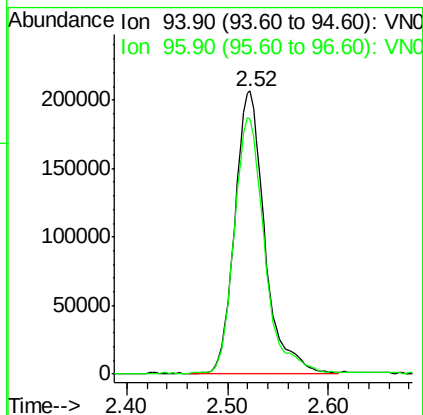
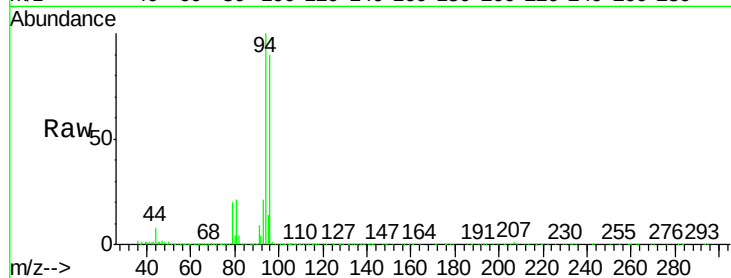
96 90.0 74.7 112.1

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#6

Chloroethane

Concen: 44.724 ug/l

RT: 2.66 min Scan# 277

Delta R.T. -0.00 min

Lab File: VN062368.D

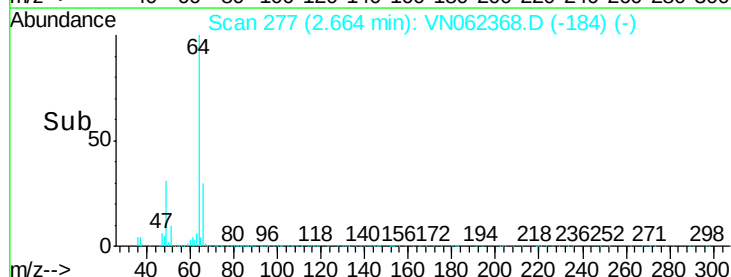
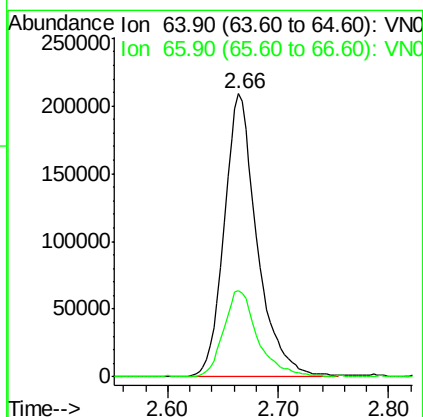
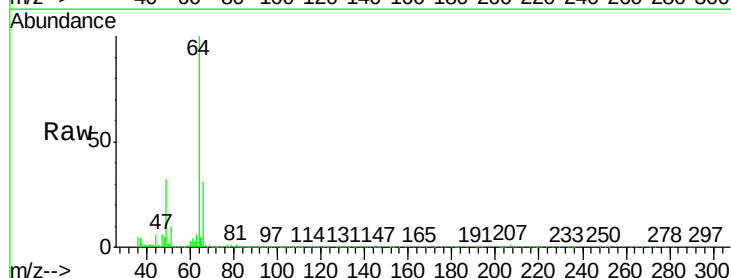
Acq: 6 Jul 2020 15:53

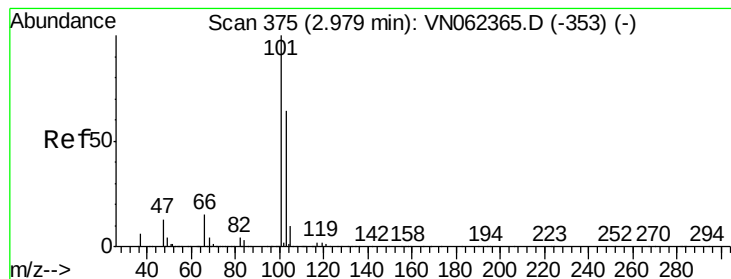
Tgt Ion: 64 Resp: 426946

Ion Ratio Lower Upper

64 100

66 30.5 25.7 38.5





#7

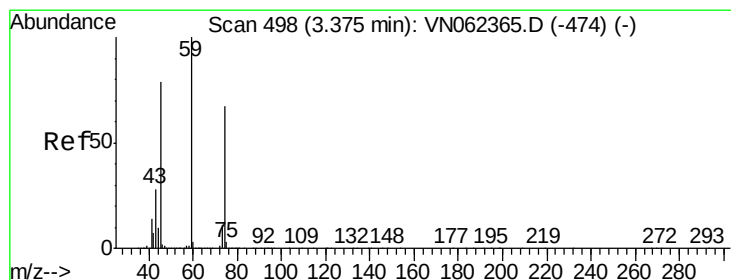
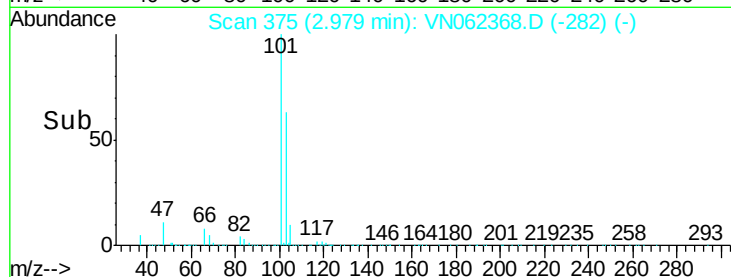
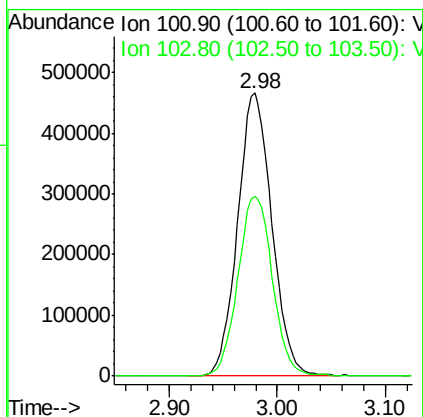
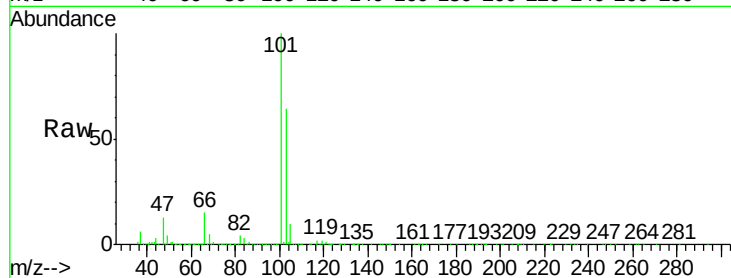
Trichlorofluoromethane
 Concen: 45.486 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. -0.00 min
 Lab File: VN062368.D
 Acq: 6 Jul 2020 15:53

Instrument :
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 ClientSampled :
 ICVVN070620

Tot Ion:101 Resp: 1030940
 Ion Ratio Lower Upper
 101 100
 103 63.4 51.0 76.6

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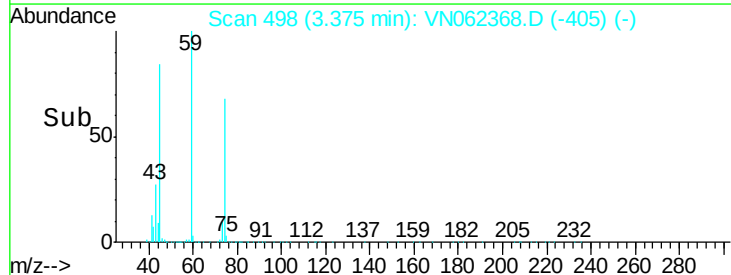
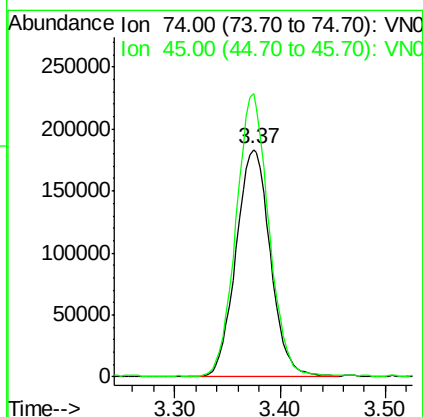
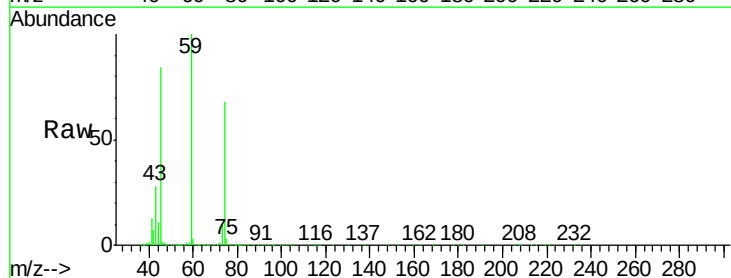
MMDadoda
 7/7/2020 10:08:50 AM

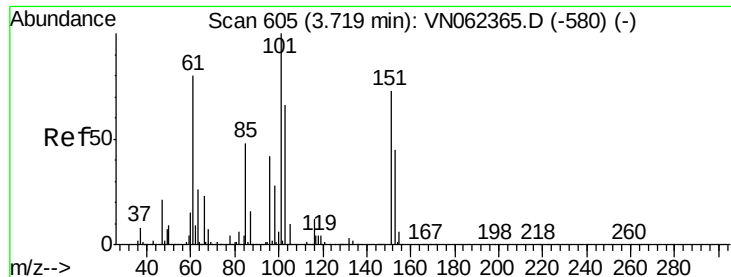


#8

Diethyl Ether
 Concen: 47.309 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. -0.00 min
 Lab File: VN062368.D
 Acq: 6 Jul 2020 15:53

Tgt Ion: 74 Resp: 414254
 Ion Ratio Lower Upper
 74 100
 45 118.6 59.9 179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.490 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN062368.D

Acq: 6 Jul 2020 15:53

Instrument :

MSVOA_N

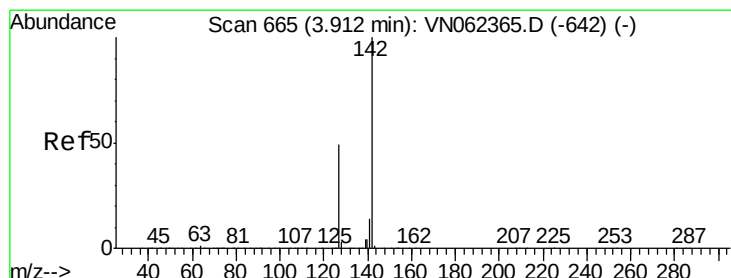
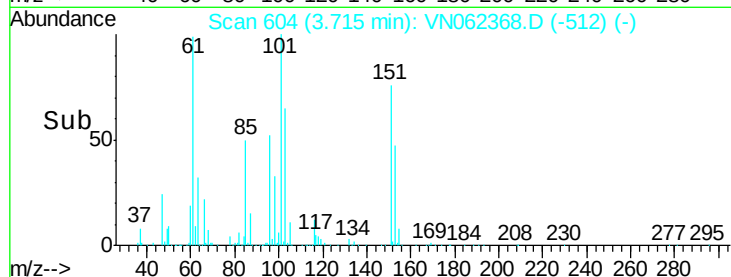
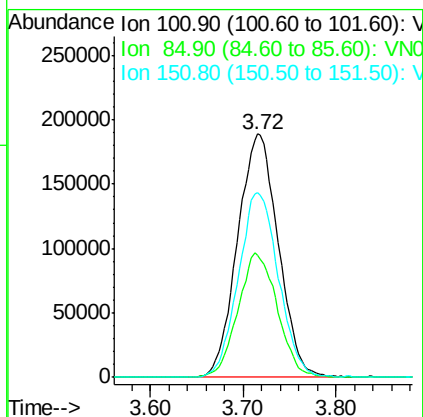
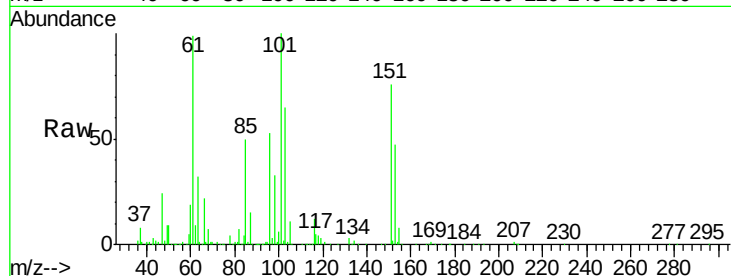
ClientSampled :

ICVVN070620

Tot Ion:	101	Resp:	576081
Ion Ratio	Lower	Upper	
101	100		
85	49.4	38.6	57.8
151	74.8	58.3	87.5

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#10

Methyl Iodide

Concen: 46.532 ug/l

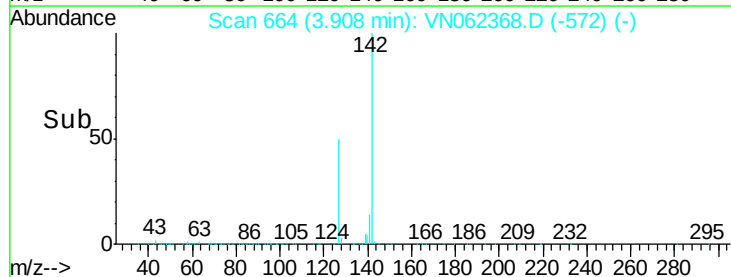
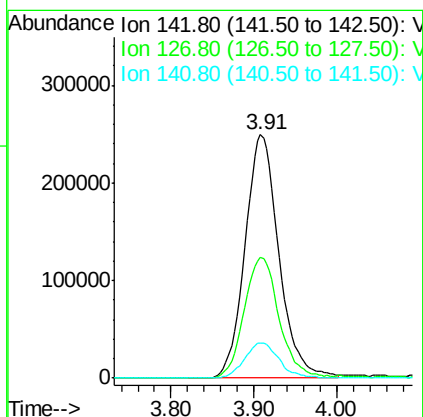
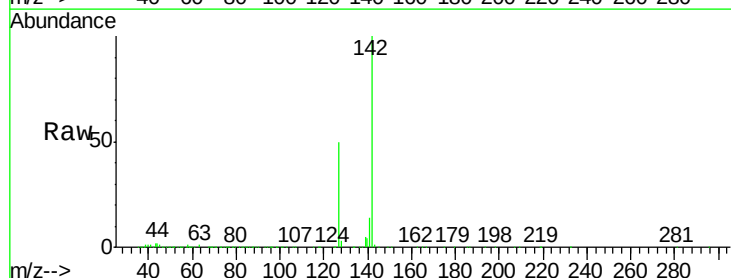
RT: 3.91 min Scan# 664

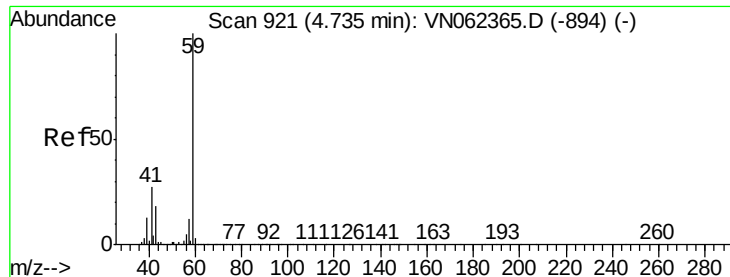
Delta R.T. -0.00 min

Lab File: VN062368.D

Acq: 6 Jul 2020 15:53

Tgt Ion:	142	Resp:	707517
Ion Ratio	Lower	Upper	
142	100		
127	51.1	41.0	61.6
141	14.7	11.8	17.8





#11

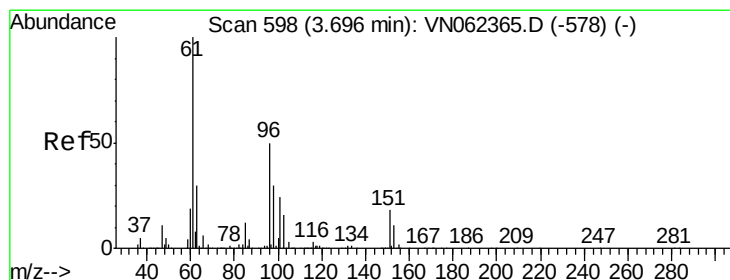
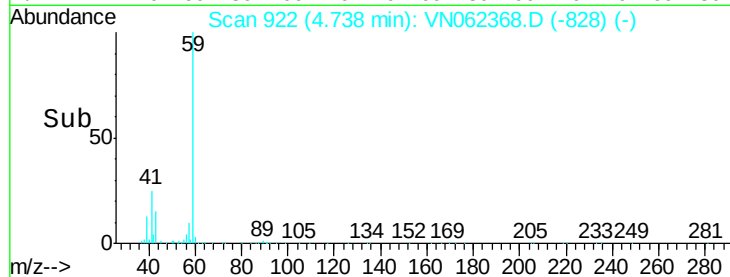
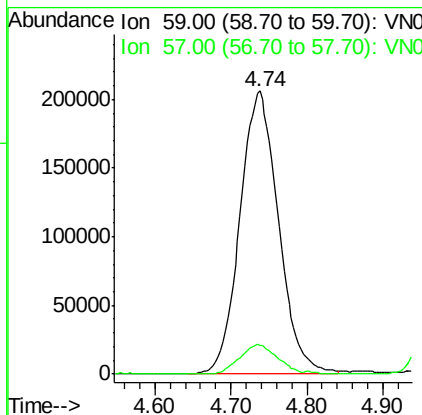
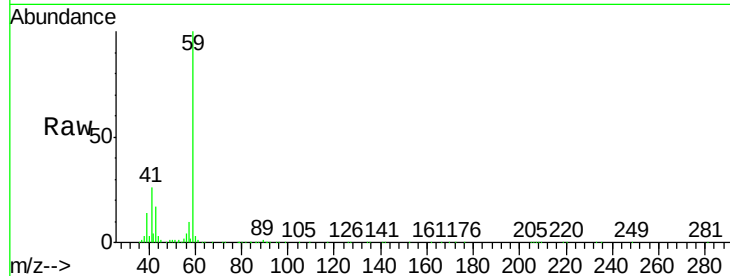
Tert butyl alcohol
 Concen: 252.460 ug/l
 RT: 4.74 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VN062368.D
 Acq: 6 Jul 2020 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN070620

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.5	12.7

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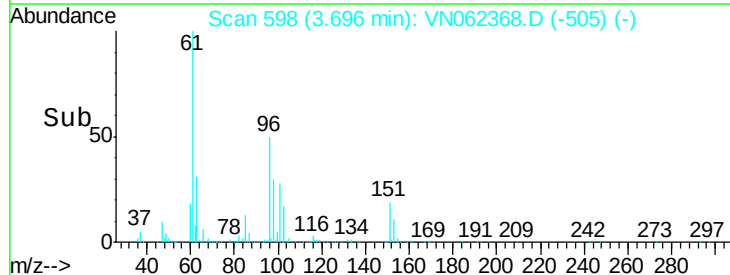
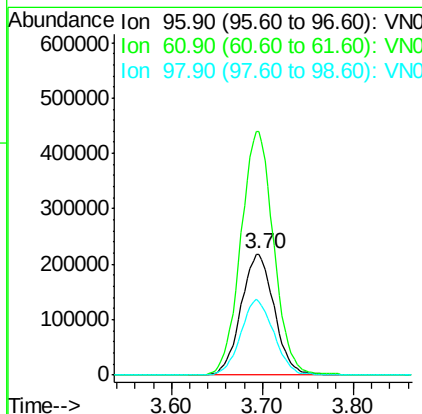
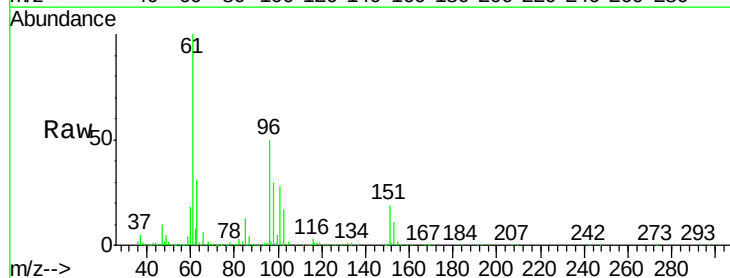
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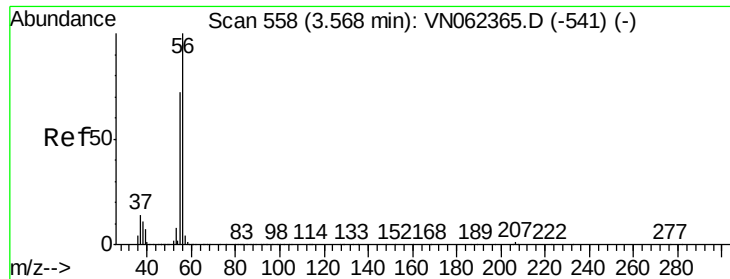


#12

1,1-Dichloroethene
 Concen: 46.994 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. -0.00 min
 Lab File: VN062368.D
 Acq: 6 Jul 2020 15:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	201.1	161.4	242.0
98	60.8	48.8	73.2





#13

Acrolein

Concen: 231.327 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062368.D

Acq: 6 Jul 2020 15:53

Instrument :

MSVOA_N

ClientSampled :

ICVVN070620

Tot Ion: 56 Resp: 281279

Ion Ratio Lower Upper

56 100

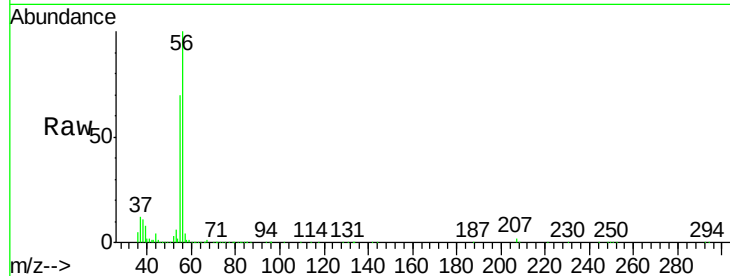
55 70.5 59.6 89.4

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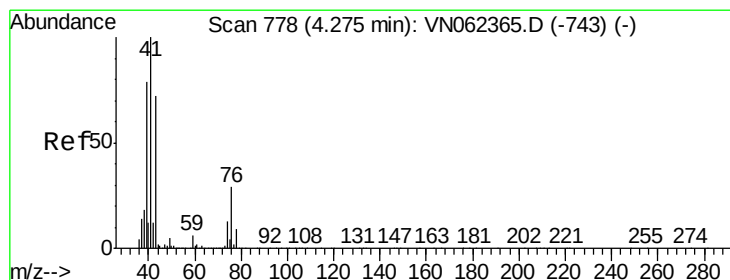
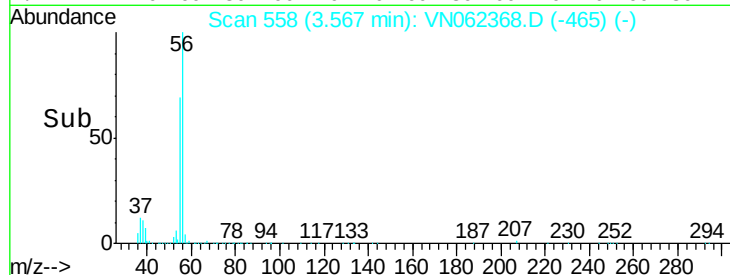
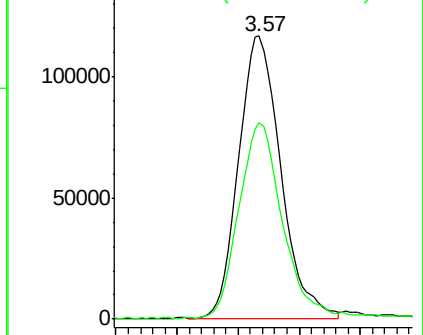
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 49.659 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062368.D

Acq: 6 Jul 2020 15:53

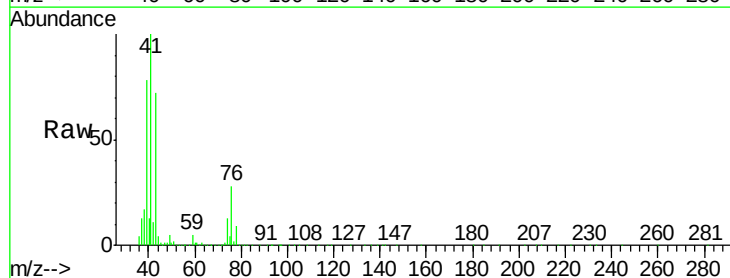
Tgt Ion: 41 Resp: 1422685

Ion Ratio Lower Upper

41 100

39 72.0 59.8 89.6

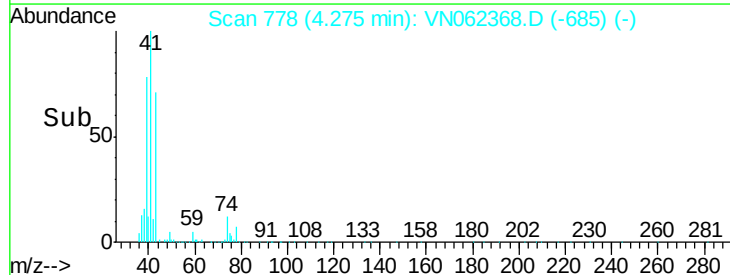
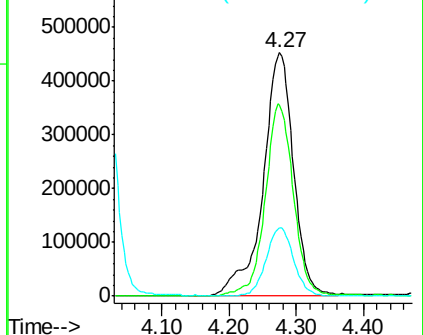
76 25.0 20.7 31.1

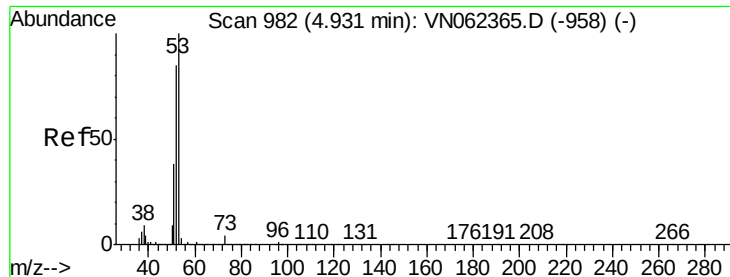


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 252.547 ug/l

RT: 4.93 min Scan# 982

Delta R.T. -0.00 min

Lab File: VN062368.D

Acq: 6 Jul 2020 15:53

Instrument :

MSVOA_N

ClientSampled :

ICVVN070620

Tot Ion: 53 Resp: 1900004

Ion Ratio Lower Upper

53 100

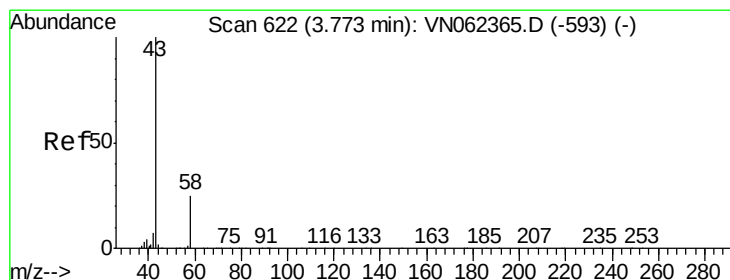
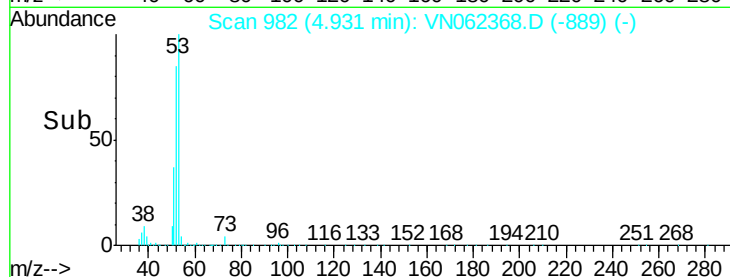
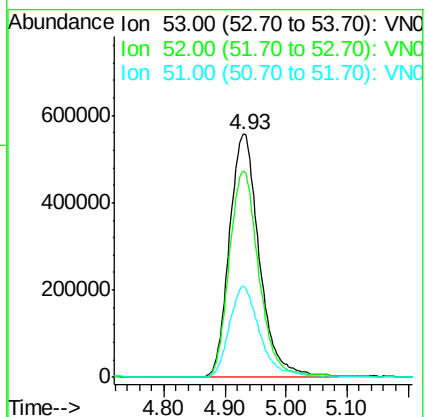
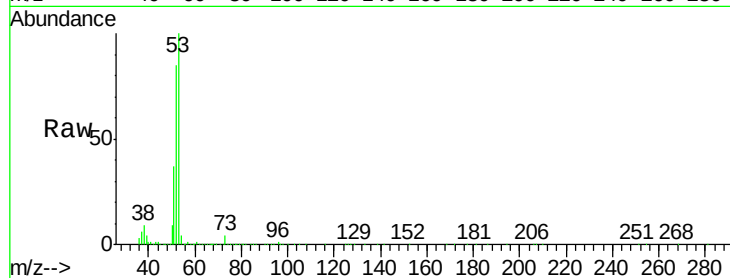
52 83.8 67.6 101.4

51 38.0 30.6 45.8

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#16

Acetone

Concen: 248.216 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN062368.D

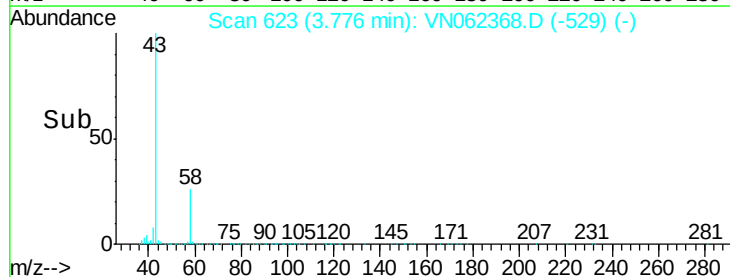
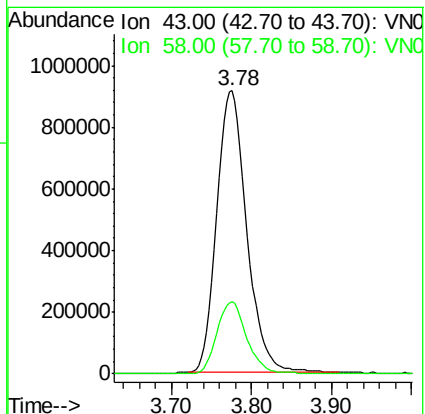
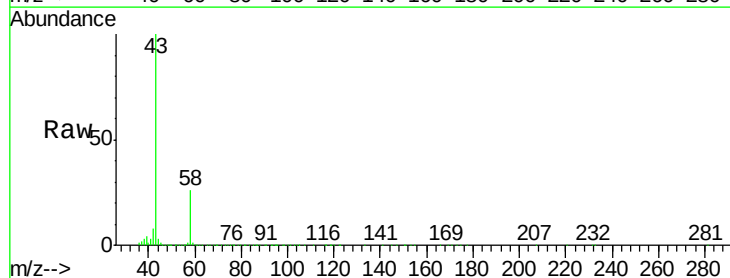
Acq: 6 Jul 2020 15:53

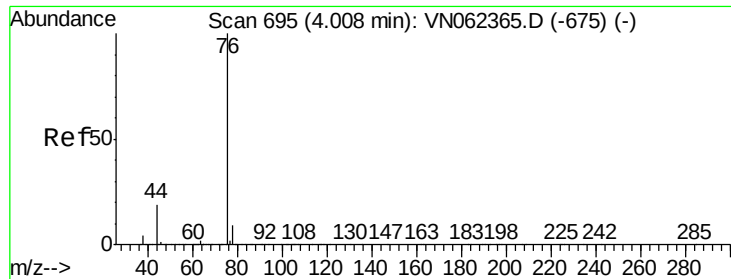
Tgt Ion: 43 Resp: 2367742

Ion Ratio Lower Upper

43 100

58 25.5 19.8 29.8





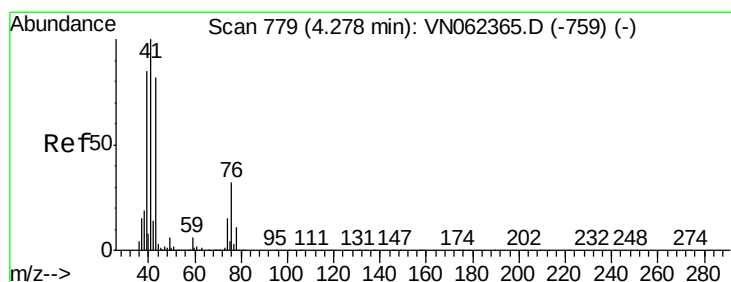
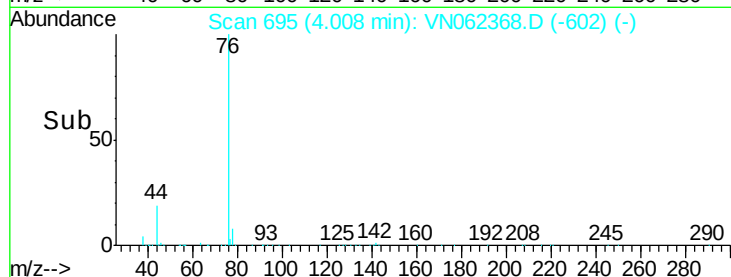
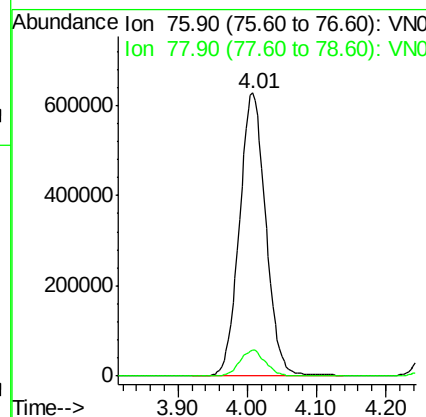
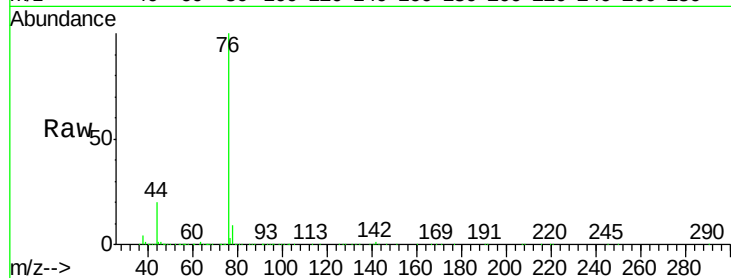
#17
Carbon Disulfide
Concen: 44.802 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.00 min
Lab File: VN062368.D
Acq: 6 Jul 2020 15:53

Instrument :
MSVOA_N
ClientSampled :
ICVVN070620

Tot Ion: 76 Resp: 1667646
Ion Ratio Lower Upper
76 100
78 9.1 6.9 10.3

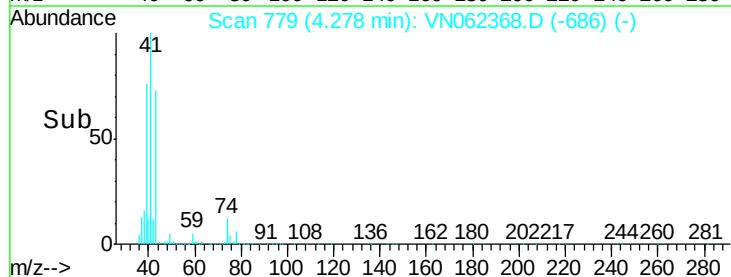
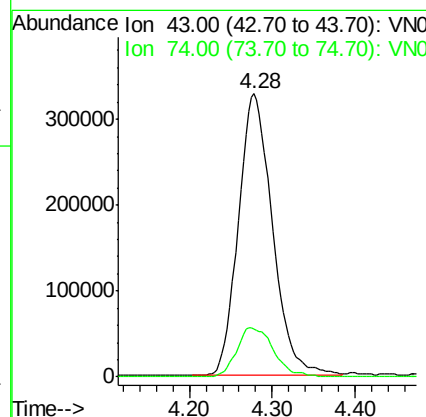
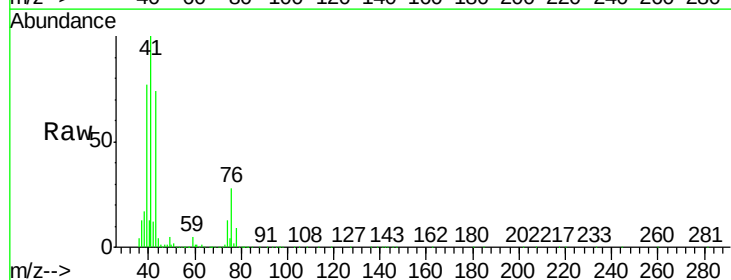
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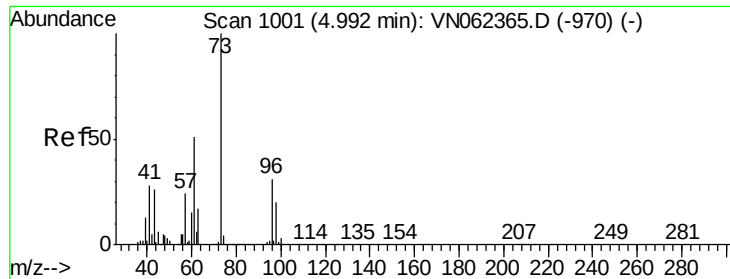
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#18
Methyl Acetate
Concen: 49.312 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN062368.D
Acq: 6 Jul 2020 15:53

Tgt Ion: 43 Resp: 937836
Ion Ratio Lower Upper
43 100
74 18.9 14.2 21.4





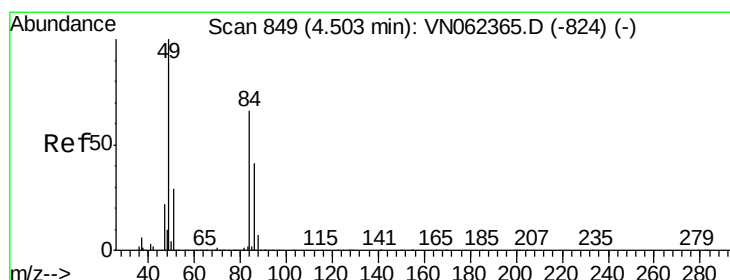
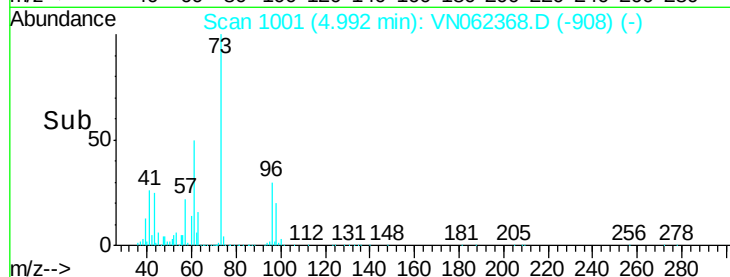
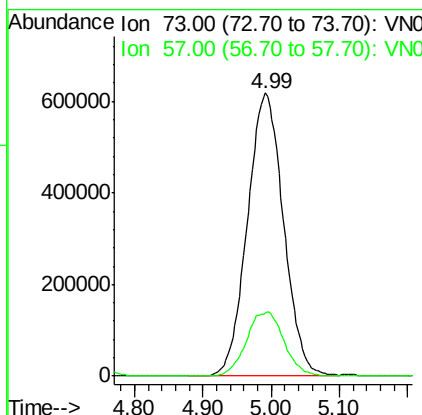
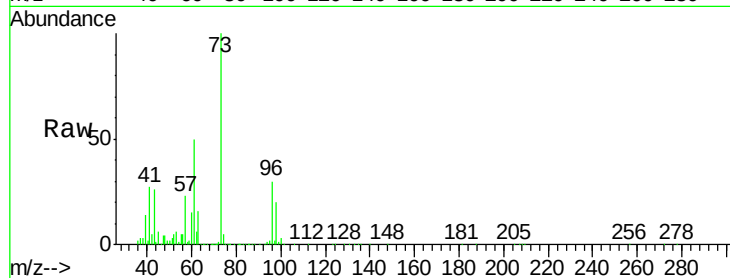
#19
Methyl tert-butyl Ether
Concen: 50.383 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN062368.D
Acq: 6 Jul 2020 15:53

Instrument :
MSVOA_N
ClientSampleId :
ICVVN070620

Tot Ion: 73 Resp: 2266775
Ion Ratio Lower Upper
73 100
57 22.5 18.9 28.3

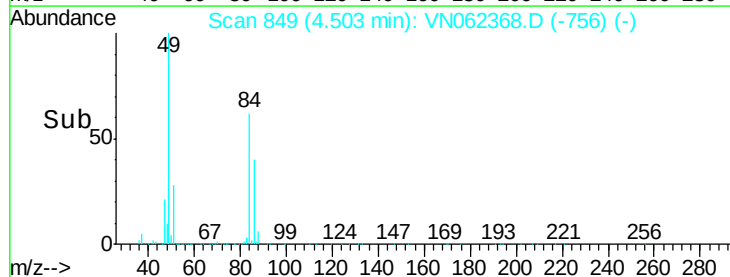
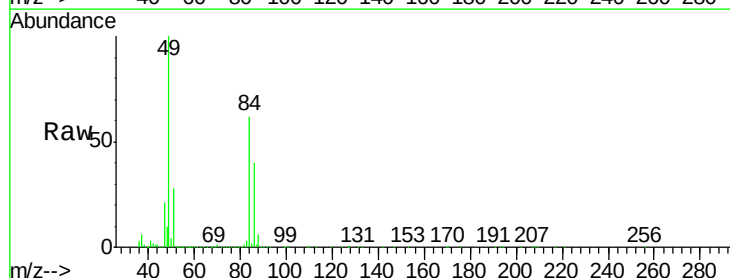
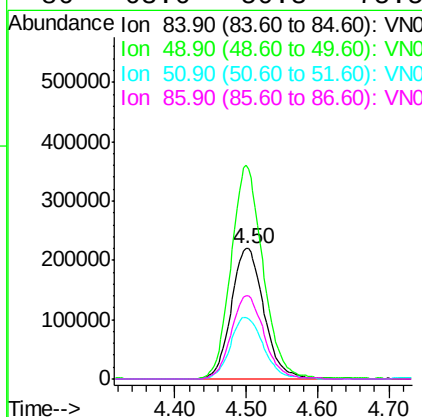
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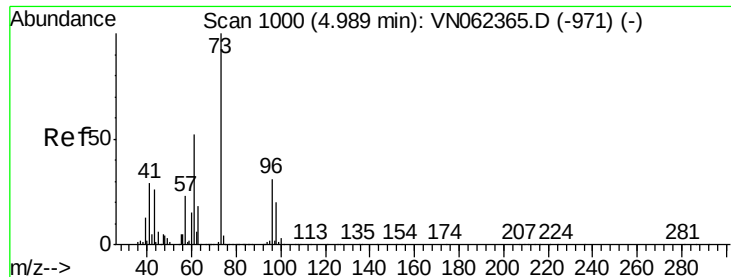
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#20
Methylene Chloride
Concen: 50.501 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062368.D
Acq: 6 Jul 2020 15:53

Tgt Ion: 84 Resp: 704832
Ion Ratio Lower Upper
84 100
49 160.7 121.8 182.6
51 45.6 35.0 52.4
86 63.6 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 46.238 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN062368.D

Acq: 6 Jul 2020 15:53

Instrument :

MSVOA_N

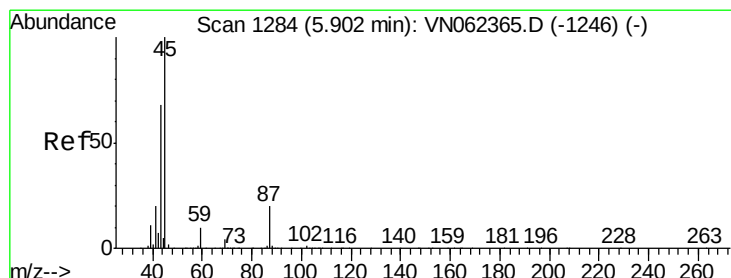
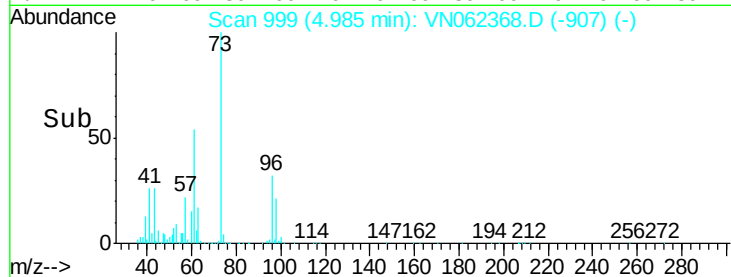
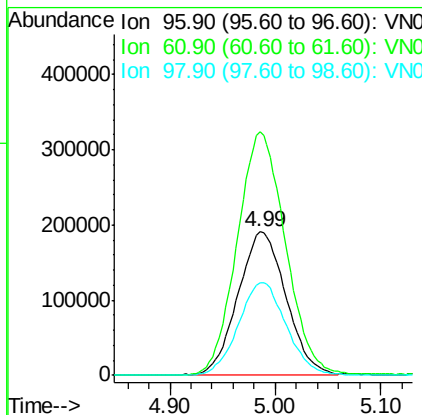
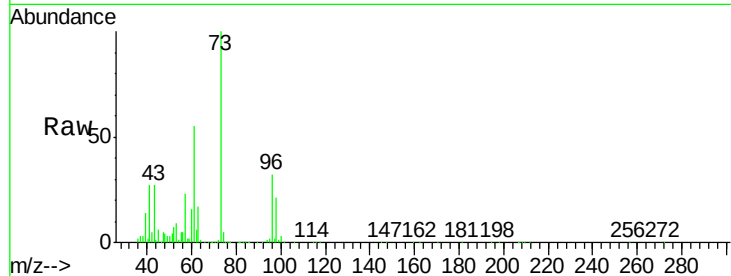
ClientSampled :

ICVVN070620

Tot Ion:	96	Resp:	600303
Ion	Ratio	Lower	Upper
96	100		
61	170.0	134.7	202.1
98	64.4	52.2	78.4

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#22

Diisopropyl ether

Concen: 49.962 ug/l

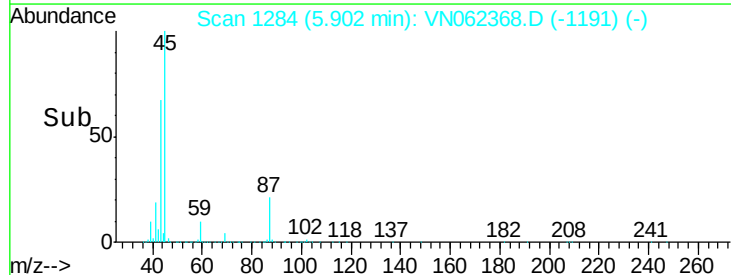
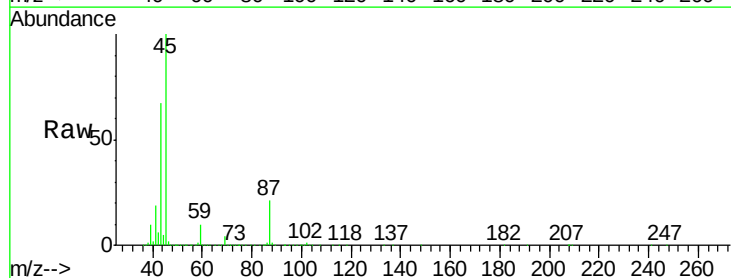
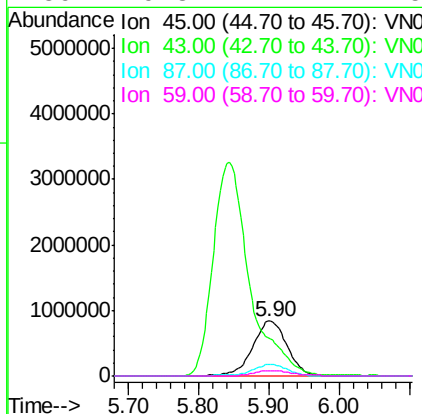
RT: 5.90 min Scan# 1284

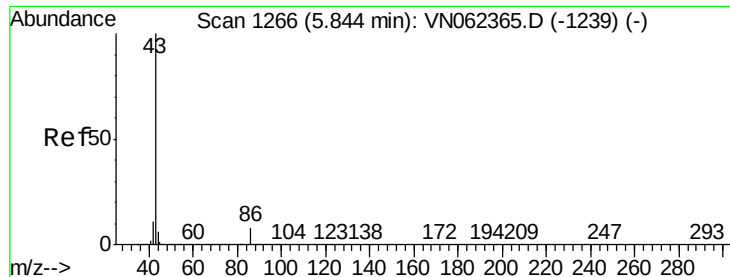
Delta R.T. -0.00 min

Lab File: VN062368.D

Acq: 6 Jul 2020 15:53

Tgt Ion:	45	Resp:	2862931
Ion	Ratio	Lower	Upper
45	100		
43	65.6	54.6	81.8
87	20.7	16.6	24.8
59	9.8	7.7	11.5





#23

Vinyl Acetate

Concen: 256.819 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN062368.D

Acq: 6 Jul 2020 15:53

Instrument :

MSVOA_N

ClientSampled :

ICVVN070620

Tot Ion: 43 Resp: 11795000

Ion Ratio Lower Upper

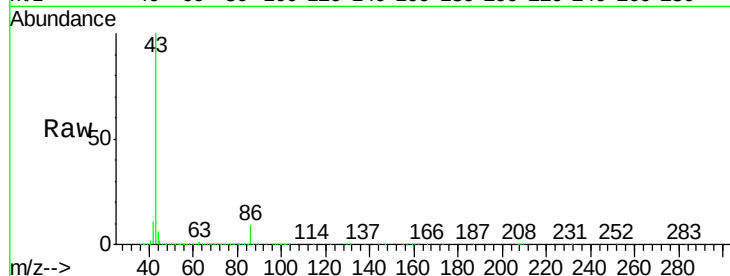
43 100

86 8.8 6.6 9.8

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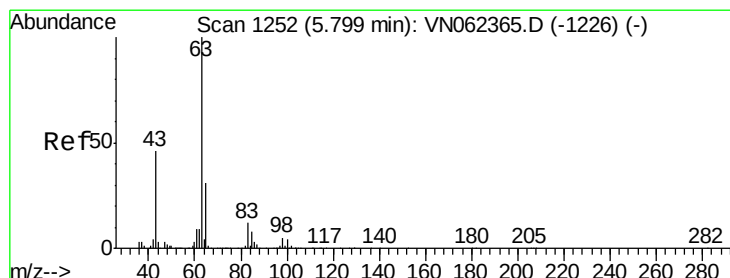
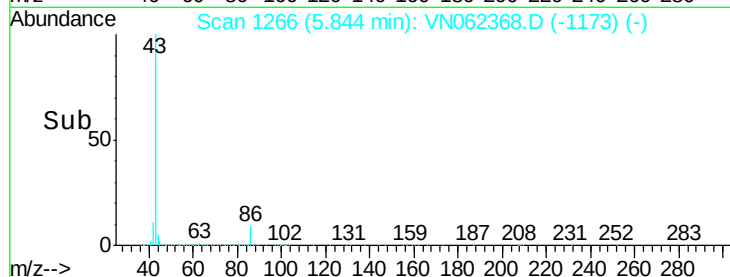
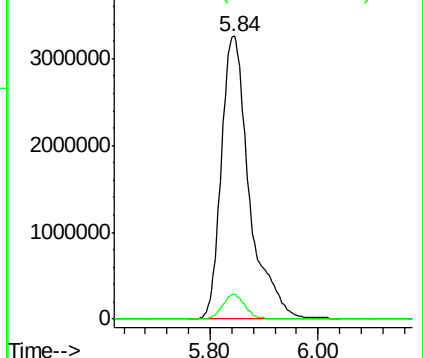
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 47.749 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VN062368.D

Acq: 6 Jul 2020 15:53

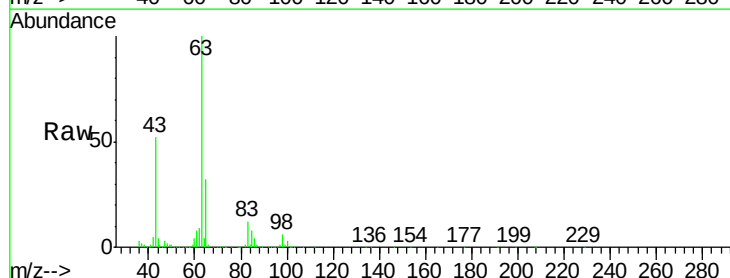
Tgt Ion: 63 Resp: 1355918

Ion Ratio Lower Upper

63 100

98 5.7 2.6 7.8

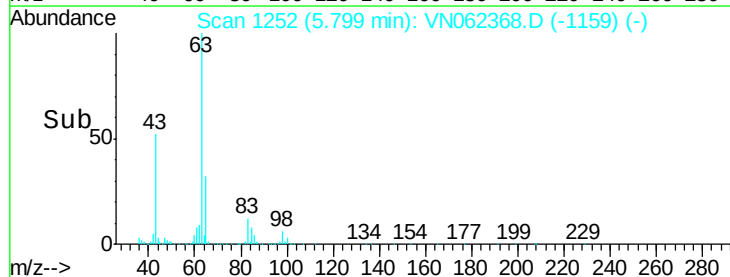
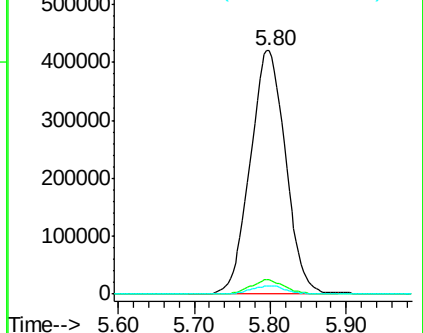
100 3.4 1.8 5.3

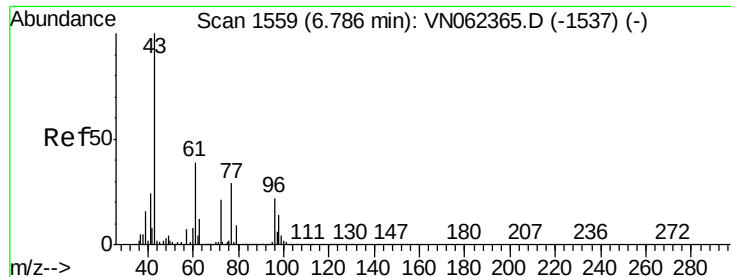


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 259.633 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VN062368.D

Acq: 6 Jul 2020 15:53

Tot Ion: 43 Resp: 3118890

Ion Ratio Lower Upper

43 100

72 20.2 16.4 24.6

Instrument :

MSVOA_N

ClientSampled :

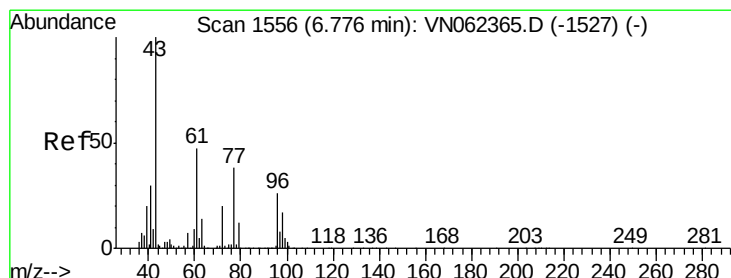
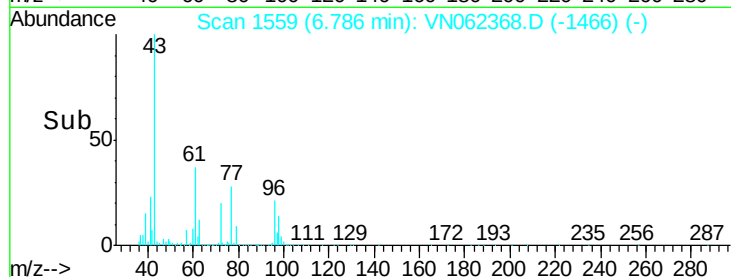
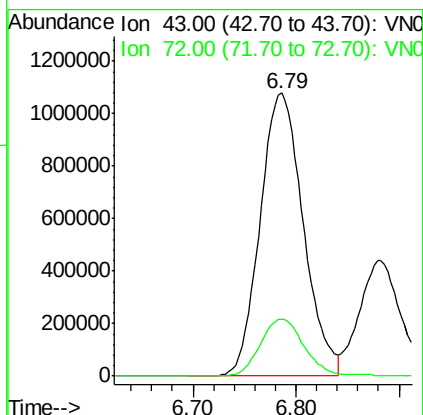
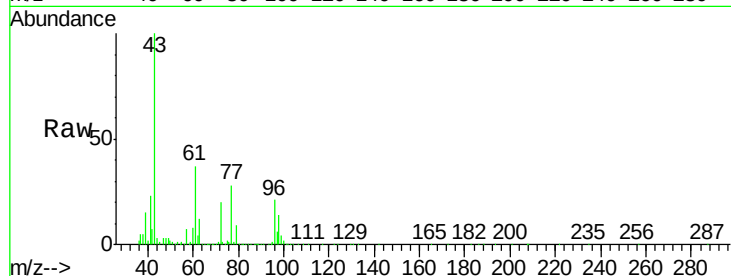
ICVVN070620

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#26

2,2-Dichloropropane

Concen: 47.516 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN062368.D

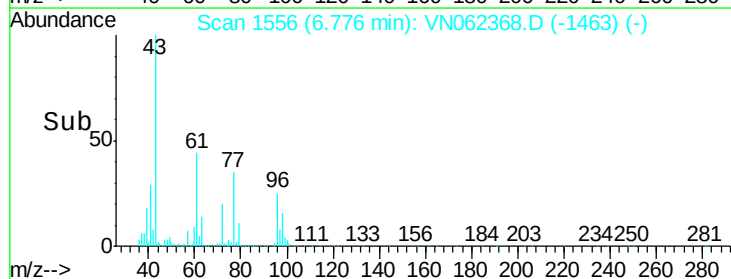
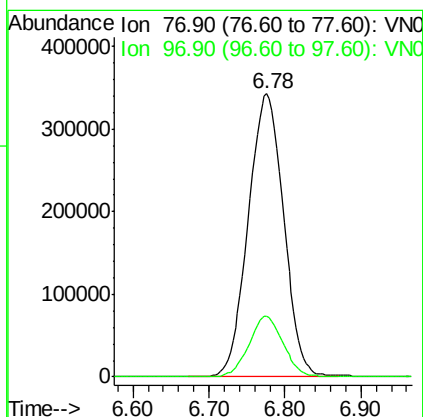
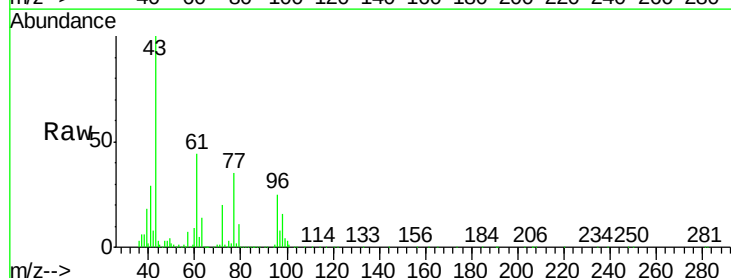
Acq: 6 Jul 2020 15:53

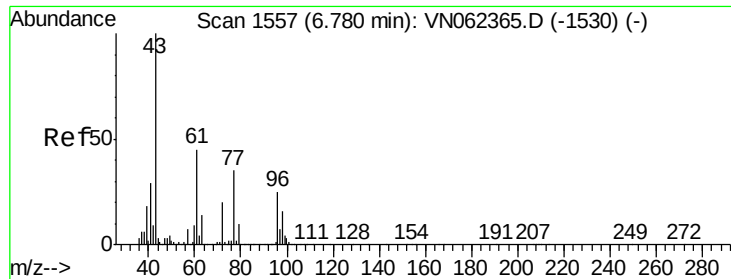
Tgt Ion: 77 Resp: 1111412

Ion Ratio Lower Upper

77 100

97 20.8 10.1 30.1





#27

cis-1,2-Dichloroethene

Concen: 48.176 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN062368.D

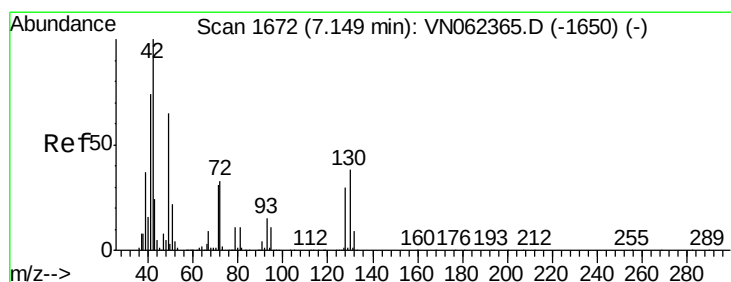
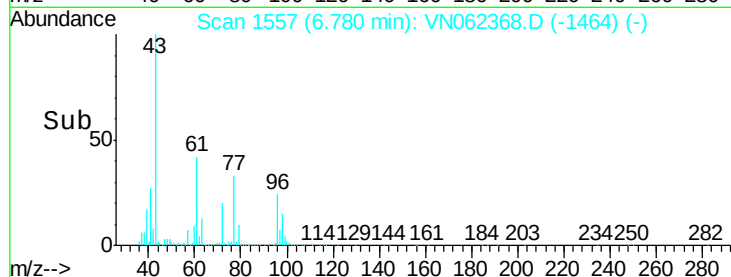
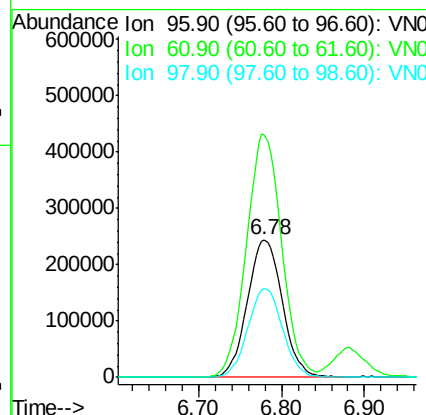
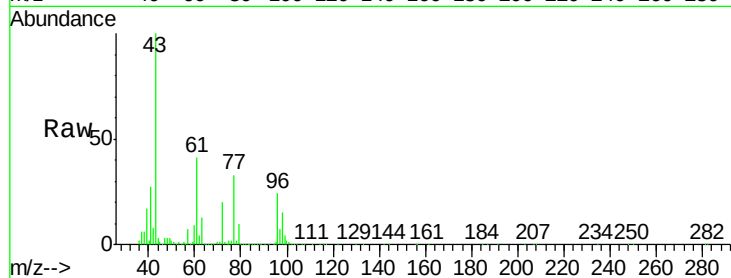
Acq: 6 Jul 2020 15:53

Instrument :
MSVOA_N
ClientSampled :
ICVVN070620

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	177.5	0.0	358.8	
98	64.2	0.0	130.6	

Manual Integrations
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MMDadoda
7/7/2020 10:08:50 AM



#28

Bromochloromethane

Concen: 50.300 ug/l

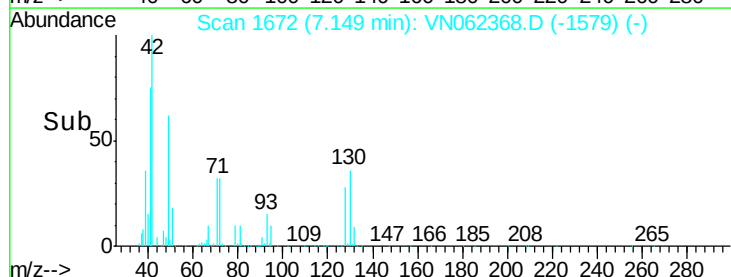
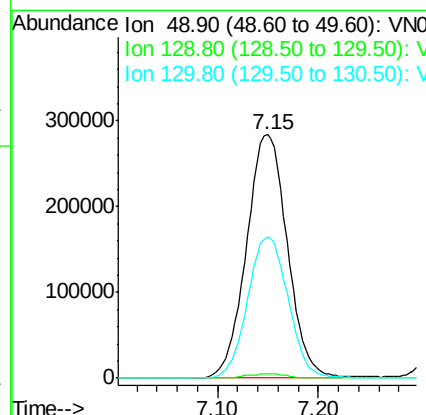
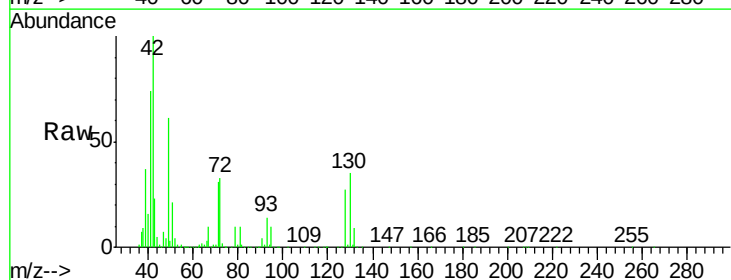
RT: 7.15 min Scan# 1672

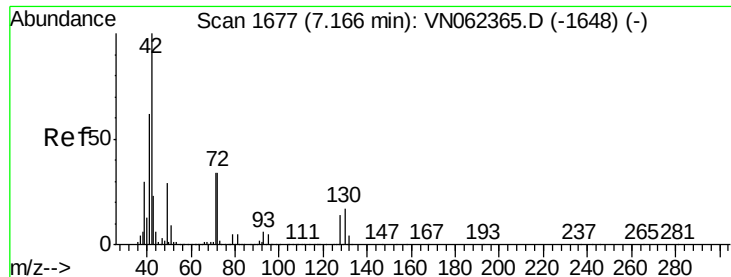
Delta R.T. -0.00 min

Lab File: VN062368.D

Acq: 6 Jul 2020 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	3.6	
130	57.6	45.8	68.8	





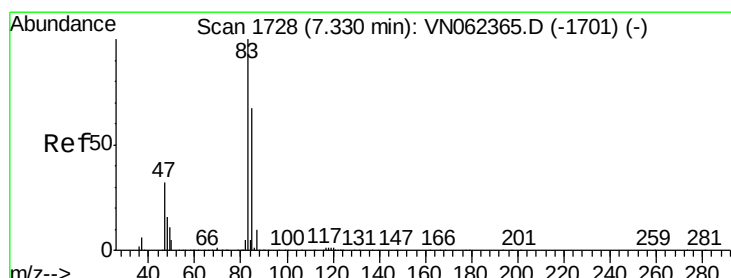
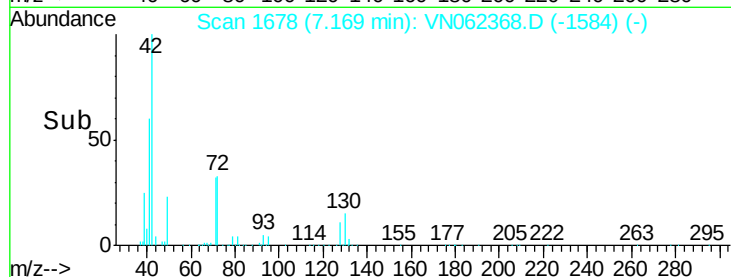
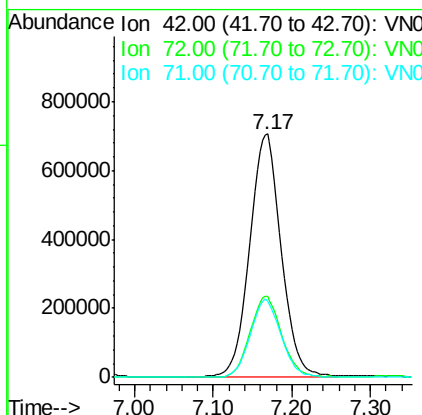
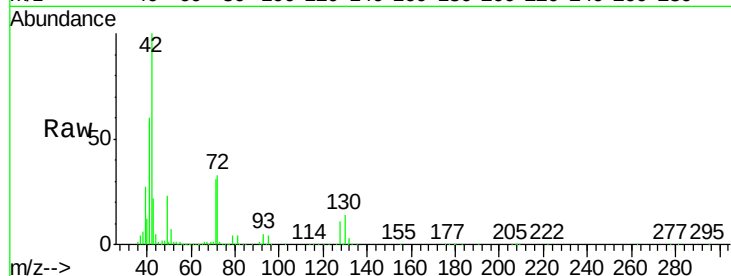
#29
Tetrahydrofuran
Concen: 262.669 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN062368.D
Acq: 6 Jul 2020 15:53

Instrument :
MSVOA_N
ClientSampleId :
ICVVN070620

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.2	26.8	40.2
71	31.4	26.0	39.0

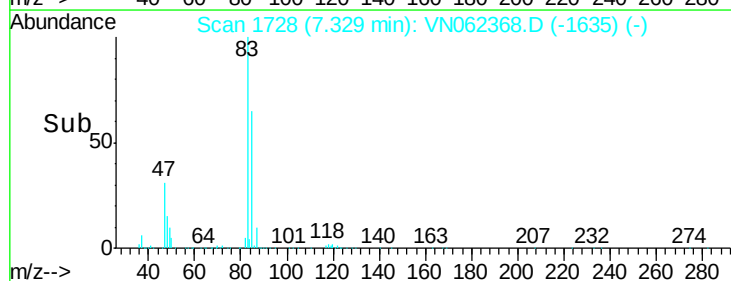
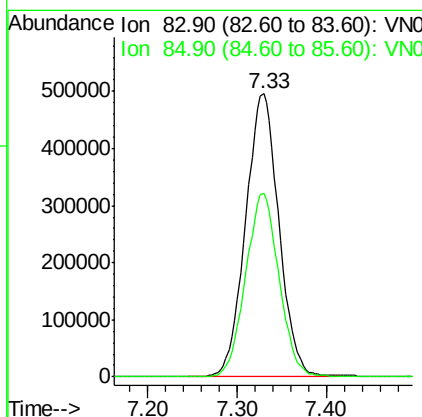
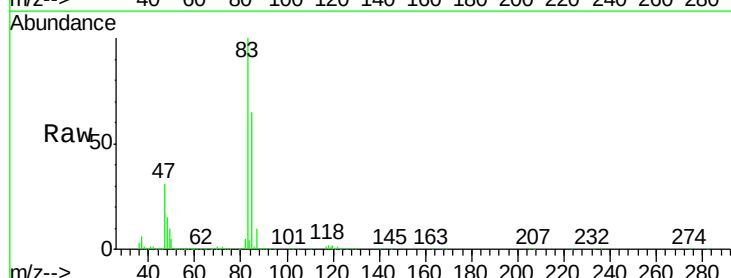
Manual Integrations
APPROVED

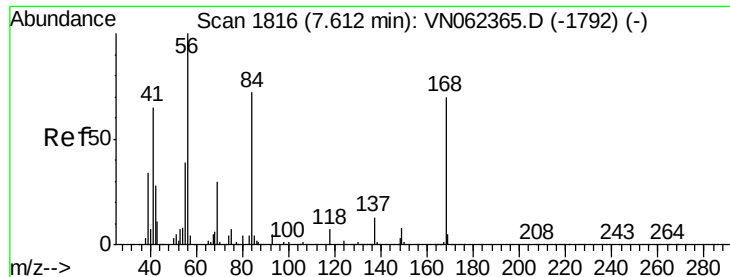
MMDadoda
7/7/2020 10:08:50 AM



#30
Chloroform
Concen: 46.728 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN062368.D
Acq: 6 Jul 2020 15:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	53.6	80.4





#31

Cyclohexane

Concen: 46.696 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN062368.D

Acq: 6 Jul 2020 15:53

Instrument :

MSVOA_N

ClientSampled :

ICVVN070620

Tot Ion: 56 Resp: 1225162

Ion Ratio Lower Upper

56 100

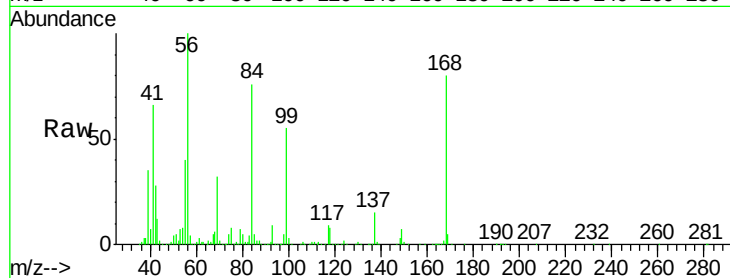
69 31.5 23.7 35.5

84 74.9 57.2 85.8

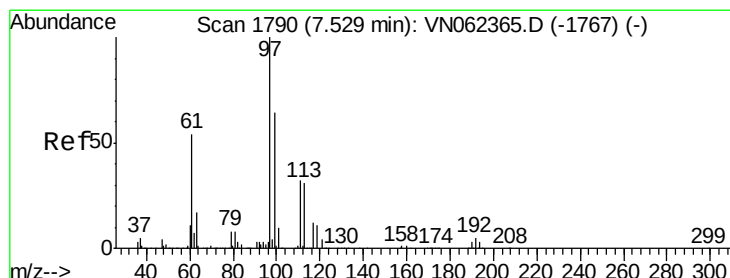
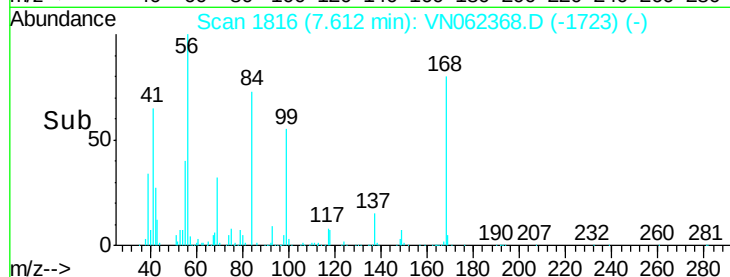
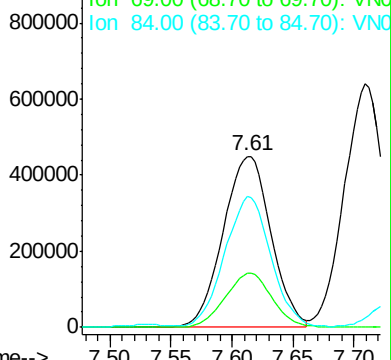
Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 47.423 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VN062368.D

Acq: 6 Jul 2020 15:53

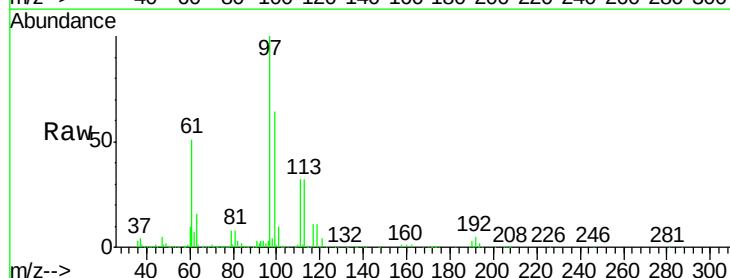
Tgt Ion: 97 Resp: 1101196

Ion Ratio Lower Upper

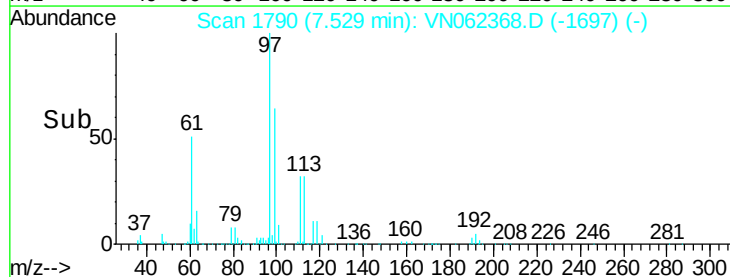
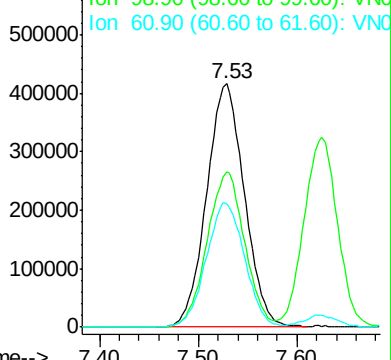
97 100

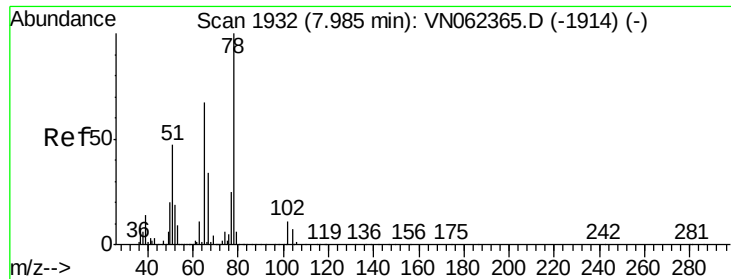
99 63.5 51.1 76.7

61 51.9 42.5 63.7



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





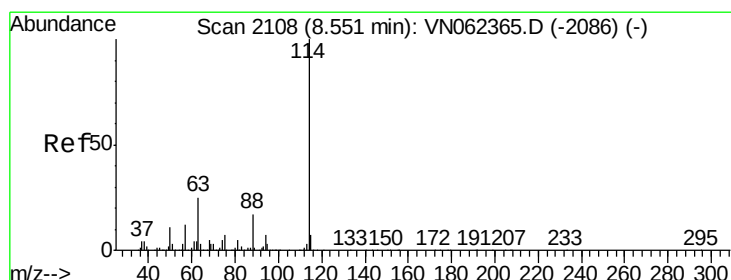
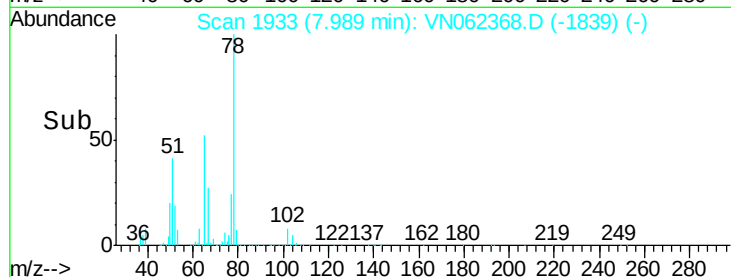
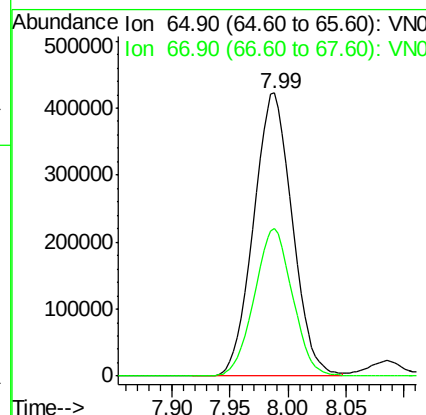
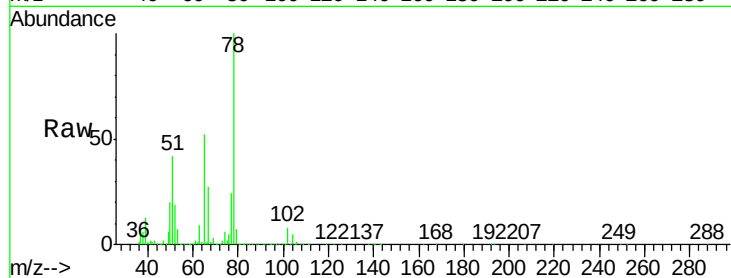
#33
 1,2-Dichloroethane-d4
 Concen: 47.553 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062368.D
 Acq: 6 Jul 2020 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN070620

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.4	0.0	101.0	

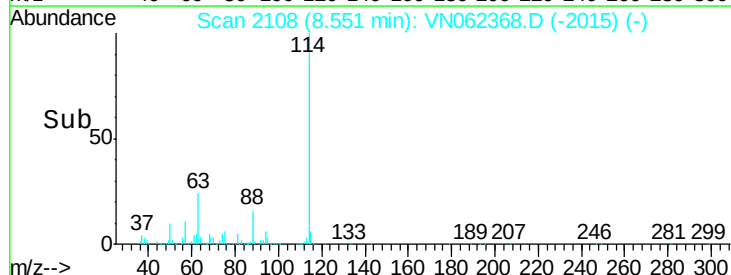
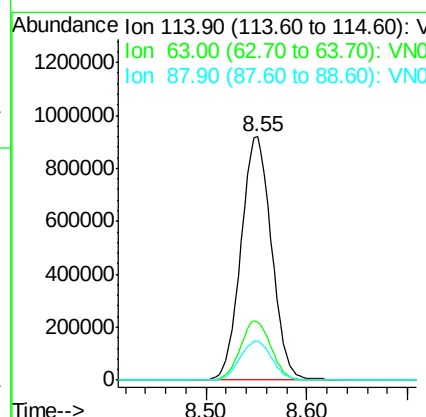
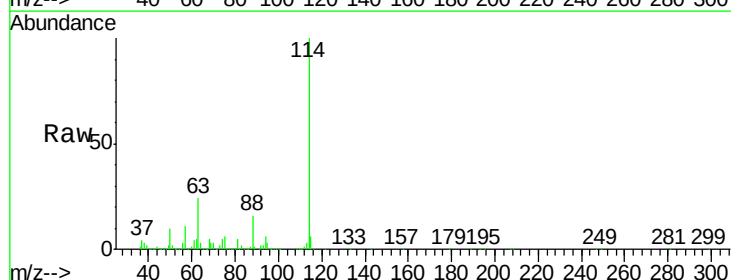
Manual Integrations
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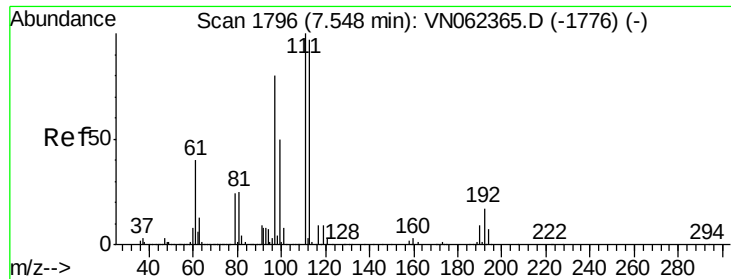
MMDadoda
 7/7/2020 10:08:50 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062368.D
 Acq: 6 Jul 2020 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	24.0	0.0	49.0	
88	15.9	0.0	34.0	





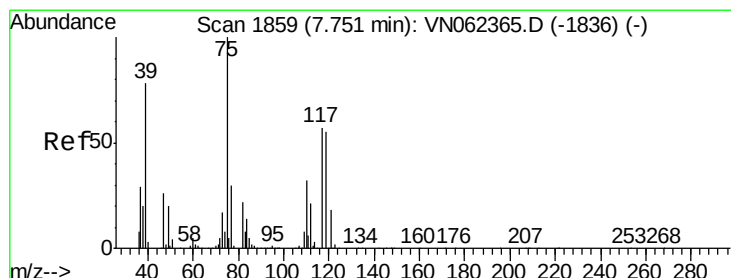
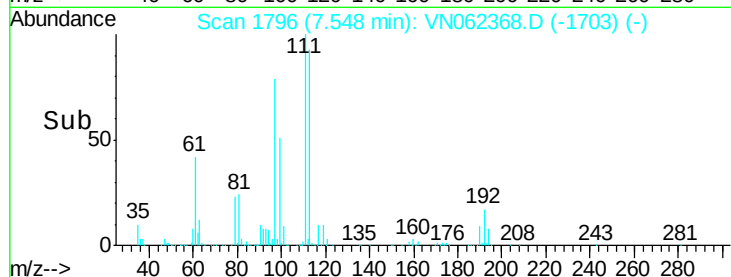
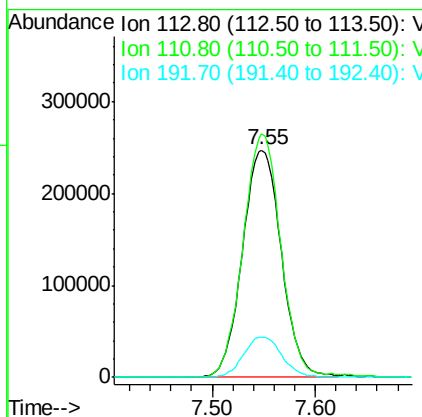
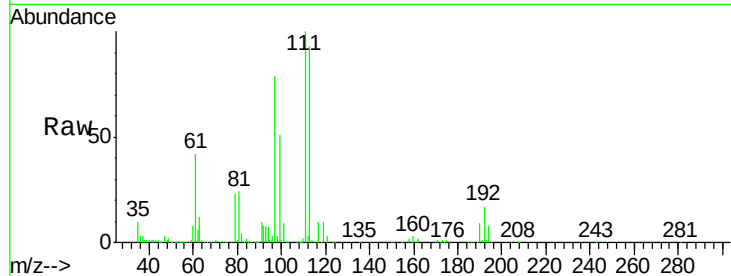
#35
Dibromofluoromethane
Concen: 49.217 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN062368.D
Acq: 6 Jul 2020 15:53

Instrument :
MSVOA_N
ClientSampled :
ICVVN070620

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.6	83.2	124.8
192	17.5	14.2	21.2

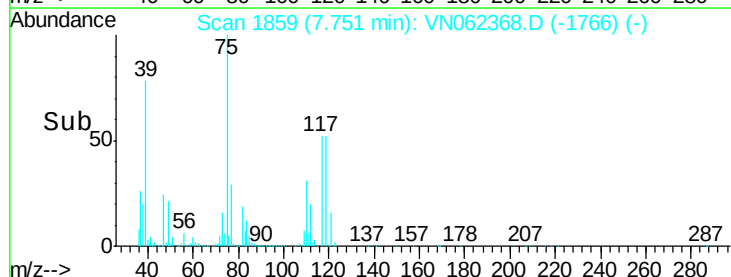
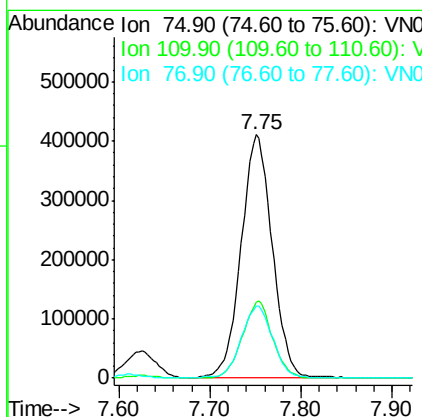
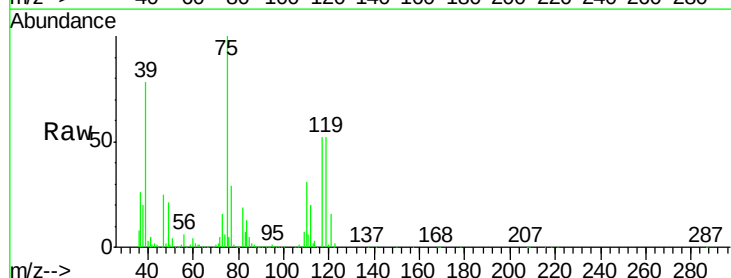
Manual Integrations
APPROVED

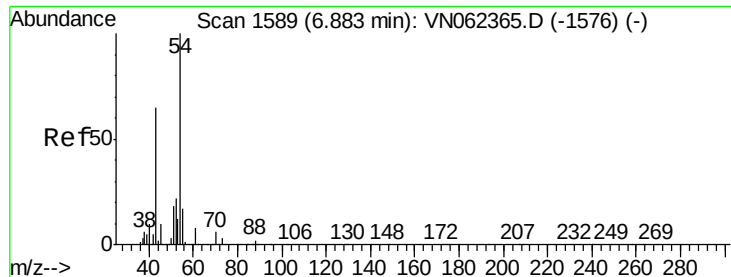
MMDadoda
7/7/2020 10:08:50 AM



#36
1,1-Dichloropropene
Concen: 47.941 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN062368.D
Acq: 6 Jul 2020 15:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.8	15.7	47.1
77	30.0	24.3	36.5





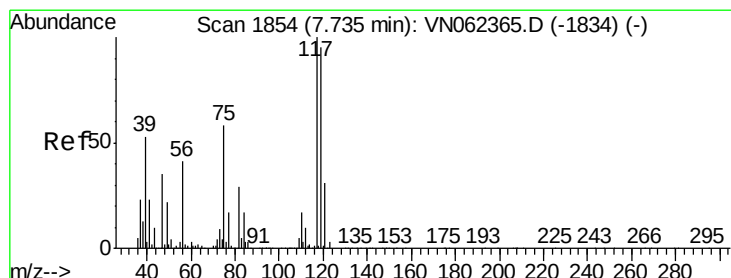
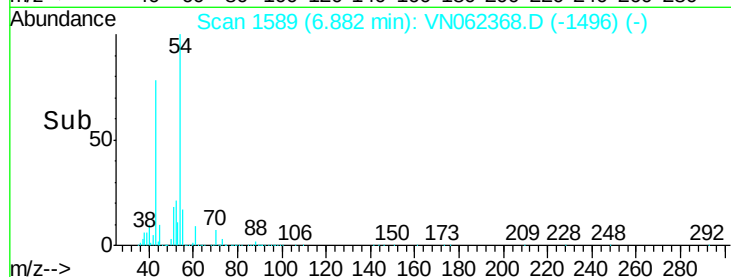
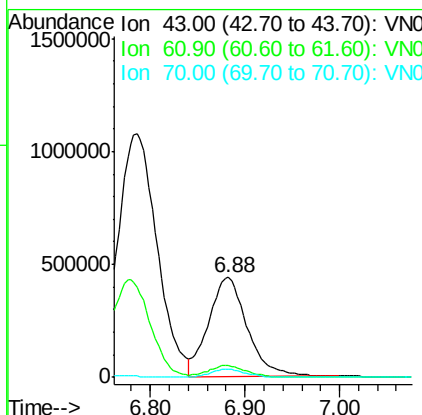
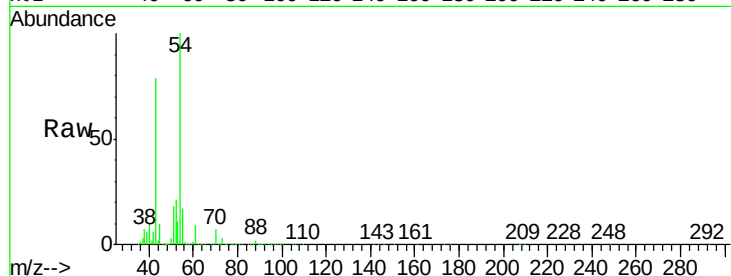
#37
Ethyl Acetate
Concen: 51.752 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN062368.D
Acq: 6 Jul 2020 15:53

Instrument :
MSVOA_N
ClientSampled :
ICVVN070620

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.2	8.8	13.2
70	7.6	6.2	9.4

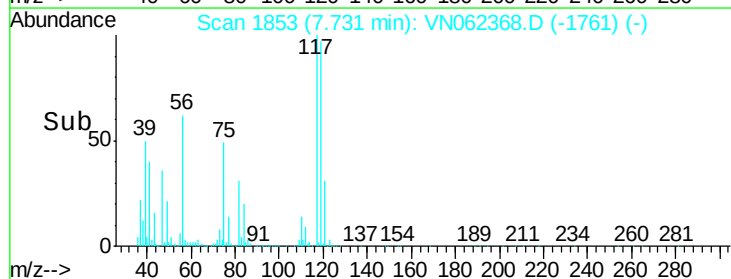
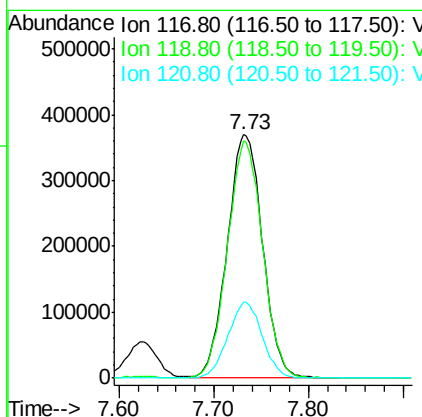
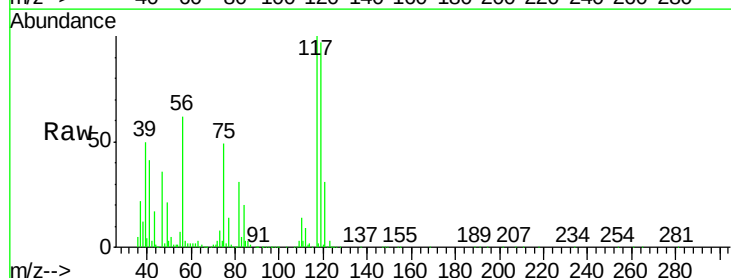
Manual Integrations
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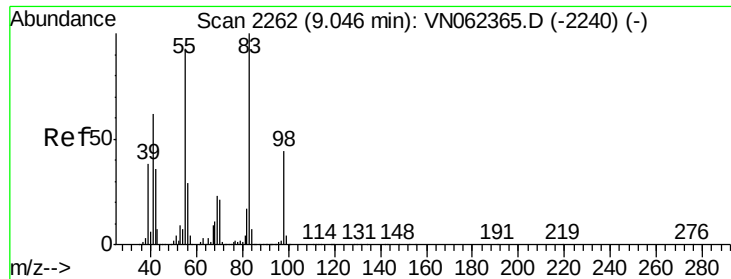
MMDadoda
7/7/2020 10:08:50 AM



#38
Carbon Tetrachloride
Concen: 46.945 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062368.D
Acq: 6 Jul 2020 15:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	75.9	113.9
121	31.0	24.6	36.8





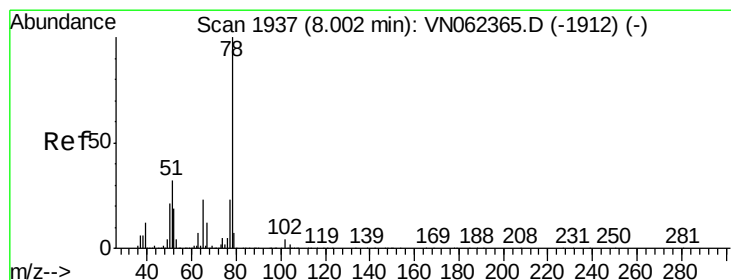
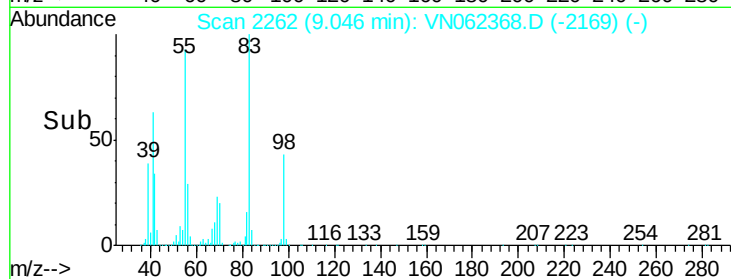
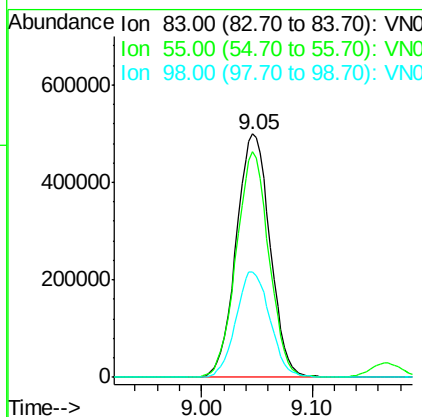
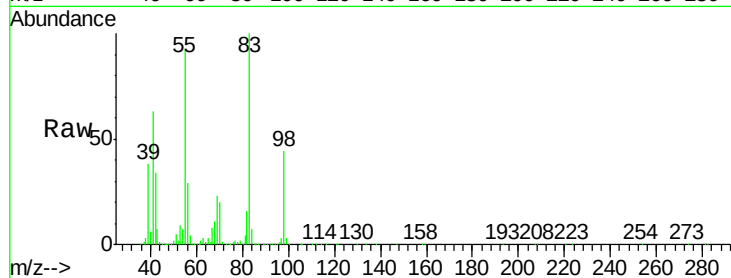
#39
Methylvlcyclohexane
Concen: 48.790 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062368.D
Acq: 6 Jul 2020 15:53

Instrument :
MSVOA_N
ClientSampleId :
ICVVN070620

Tot Ion	Ratio	Lower	Upper
83	100		
55	92.4	74.1	111.1
98	43.5	35.6	53.4

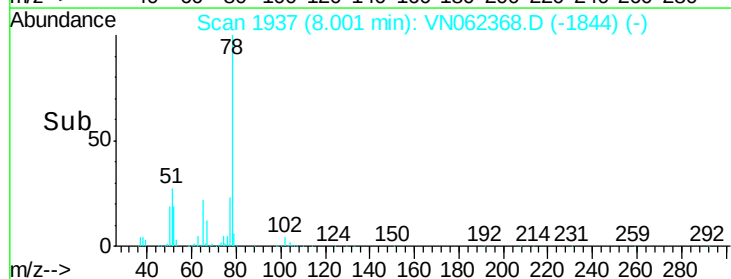
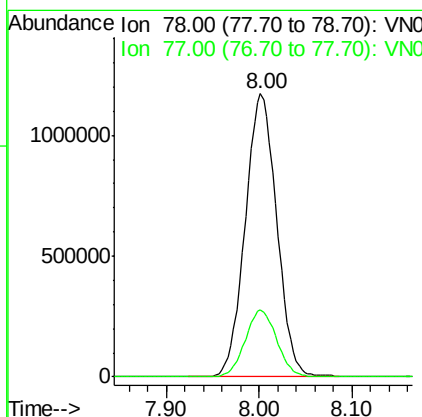
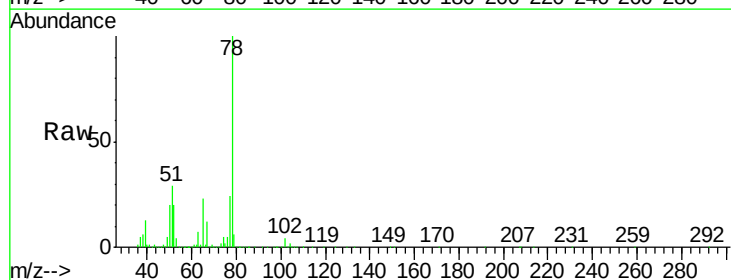
Manual Integrations
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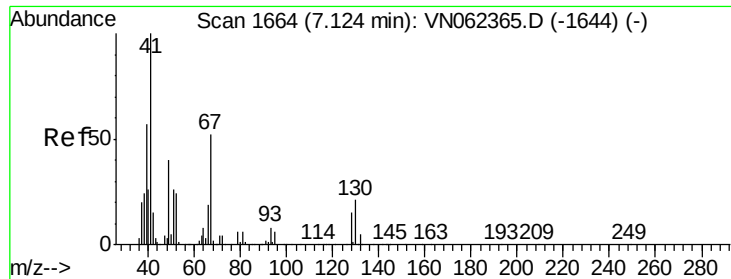
MMDadoda
7/7/2020 10:08:50 AM



#40
Benzene
Concen: 47.918 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062368.D
Acq: 6 Jul 2020 15:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.6	28.0





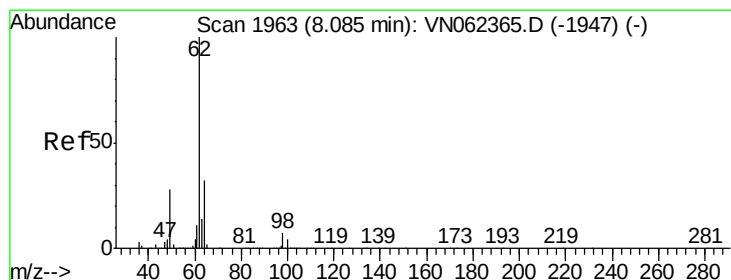
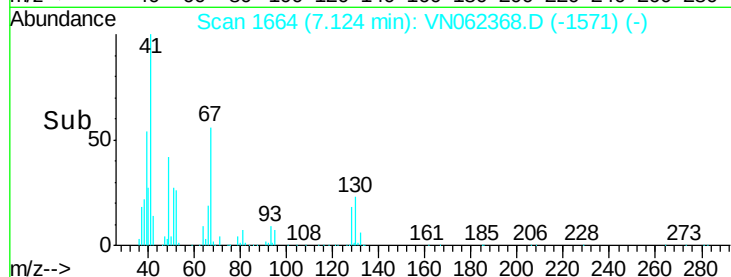
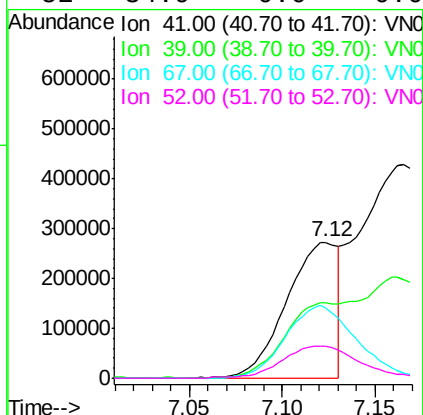
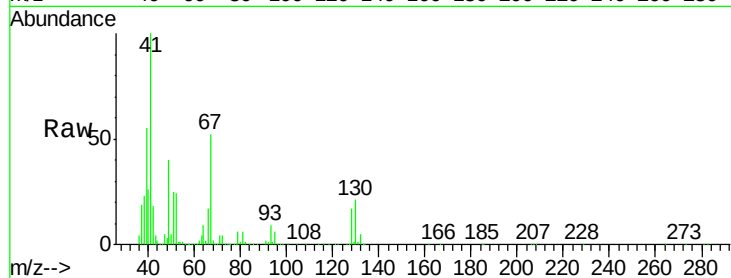
#41
Methacrylonitrile
Concen: 42.967 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VN062368.D
Acq: 6 Jul 2020 15:53

Instrument :
MSVOA_N
ClientSampled :
ICVVN070620

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.3	0.0	0.0#
67	75.0	0.0	0.0#
52	34.9	0.0	0.0#

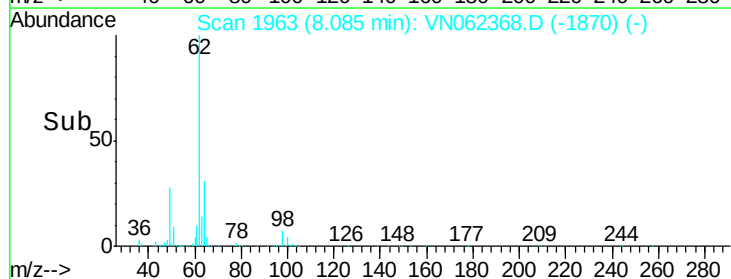
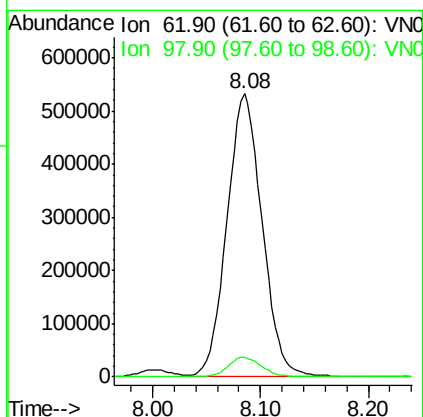
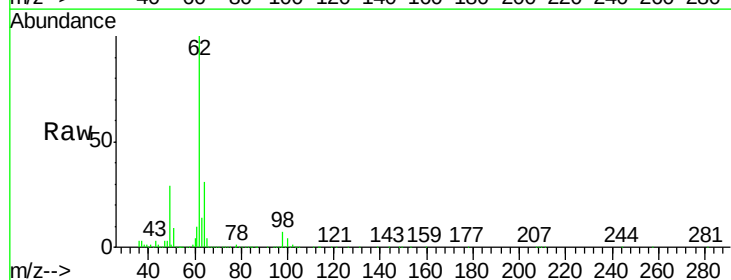
Manual Integrations
APPROVED

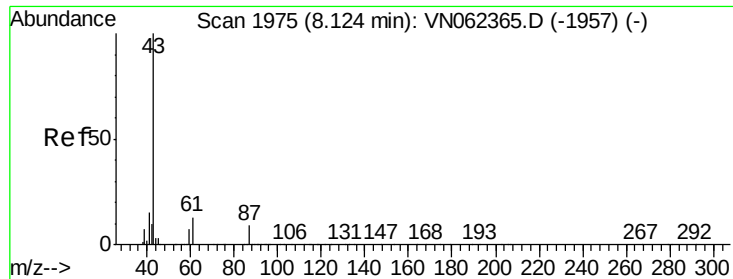
MMDadoda
7/7/2020 10:08:50 AM



#42
1,2-Dichloroethane
Concen: 47.407 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062368.D
Acq: 6 Jul 2020 15:53

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.9	0.0	13.4





#43

Isopropyl Acetate

Concen: 52.222 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN062368.D

Acq: 6 Jul 2020 15:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN070620

Tot Ion: 43 Resp: 2097840

Ion Ratio Lower Upper

43 100

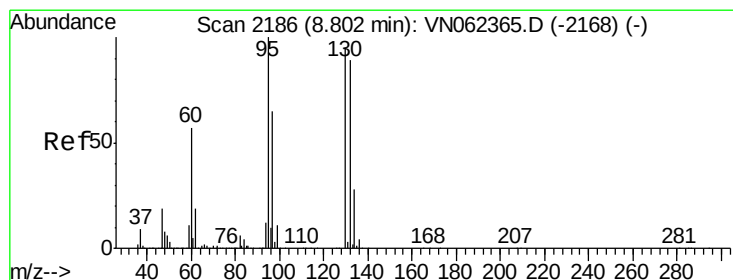
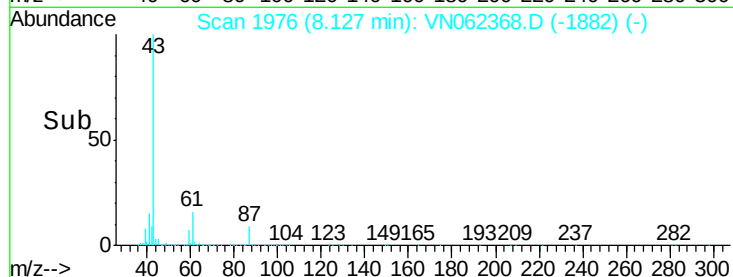
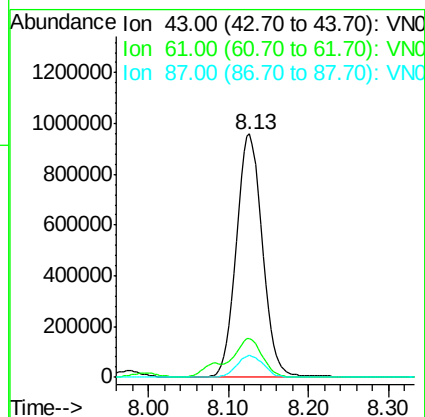
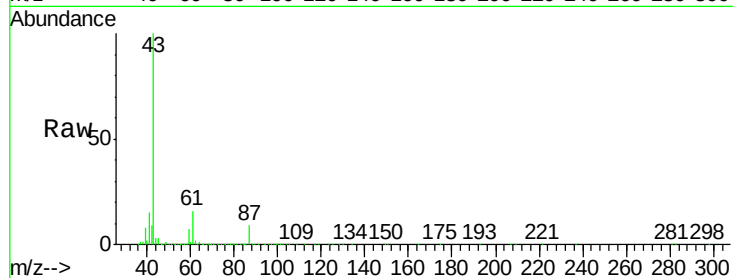
61 16.4 13.1 19.7

87 9.4 7.5 11.3

Manual Integrations
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MMDadoda

7/7/2020 10:08:50 AM



#44

Trichloroethene

Concen: 46.993 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN062368.D

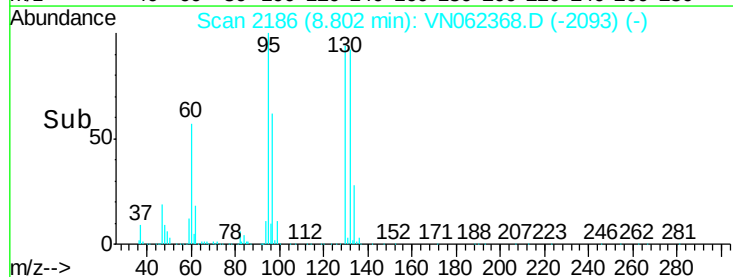
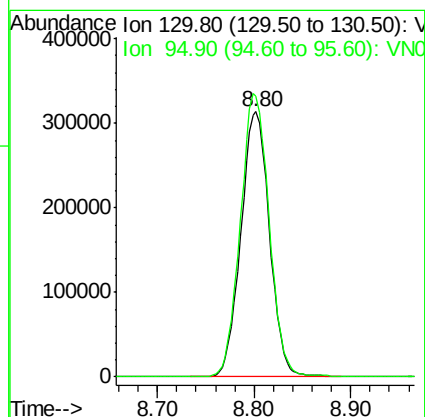
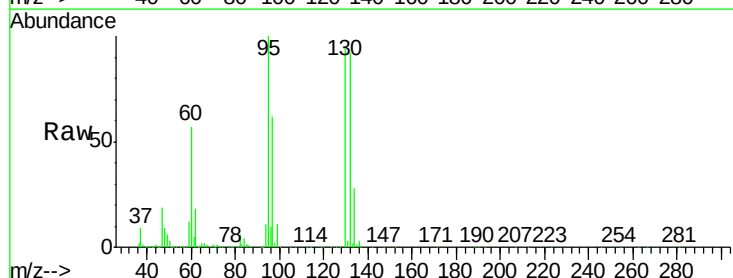
Acq: 6 Jul 2020 15:53

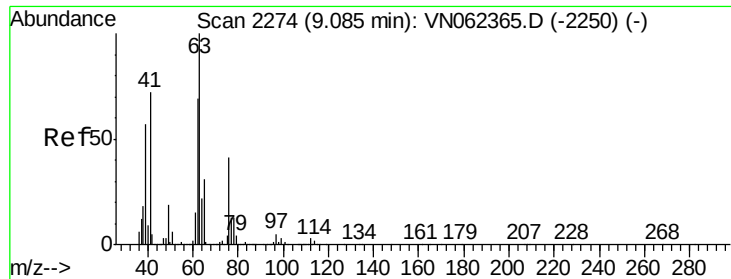
Tgt Ion: 130 Resp: 646577

Ion Ratio Lower Upper

130 100

95 105.8 0.0 209.8





#45

1,2-Dichloropropane

Concen: 47.420 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VN062368.D

Acq: 6 Jul 2020 15:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN070620

Tot Ion: 63 Resp: 799981

Ion Ratio Lower Upper

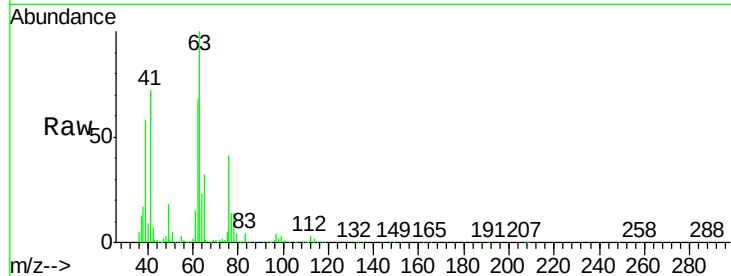
63 100

65 31.5 24.2 36.4

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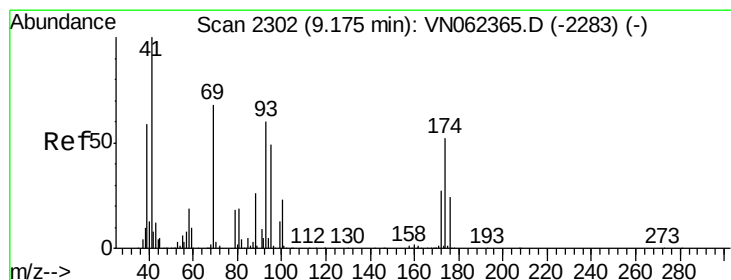
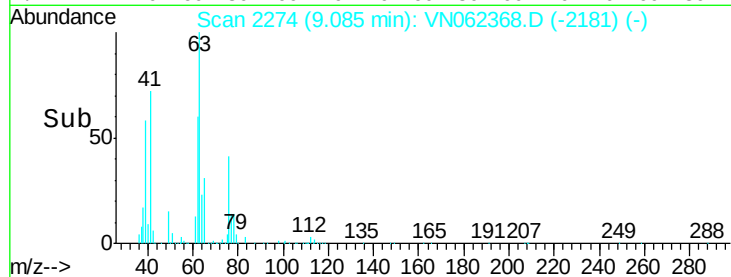
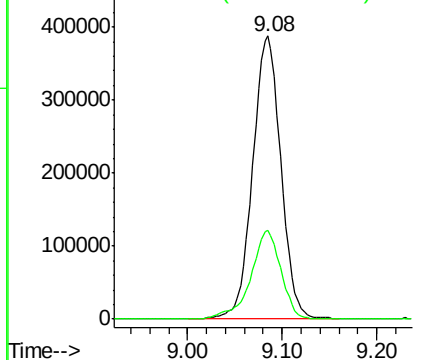
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 47.680 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN062368.D

Acq: 6 Jul 2020 15:53

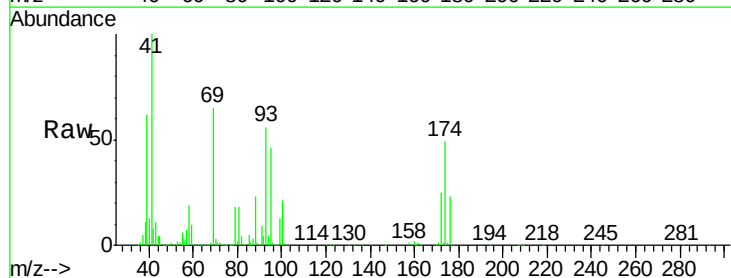
Tgt Ion: 93 Resp: 497841

Ion Ratio Lower Upper

93 100

95 82.9 64.8 97.2

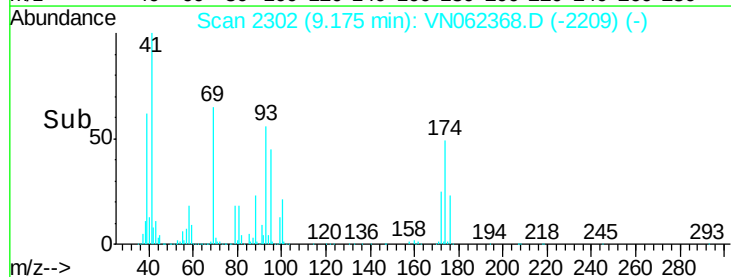
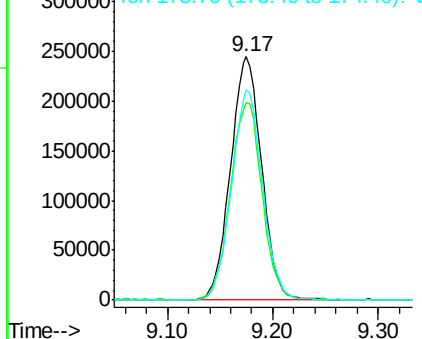
174 85.9 67.6 101.4

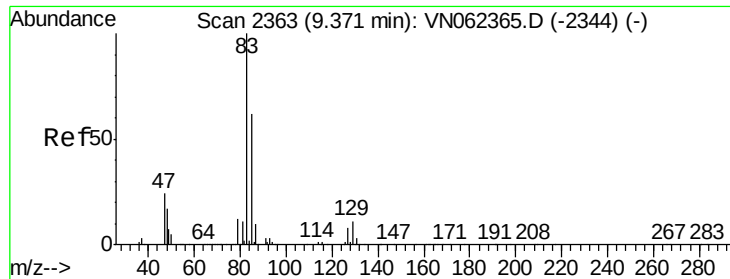


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 47.835 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN062368.D

Acq: 6 Jul 2020 15:53

Instrument :

MSVOA_N

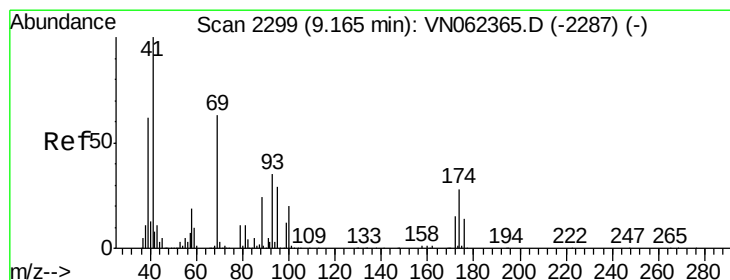
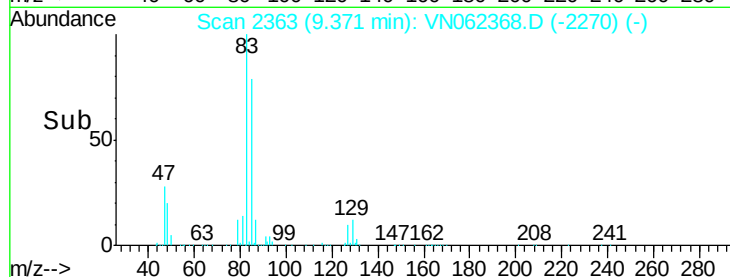
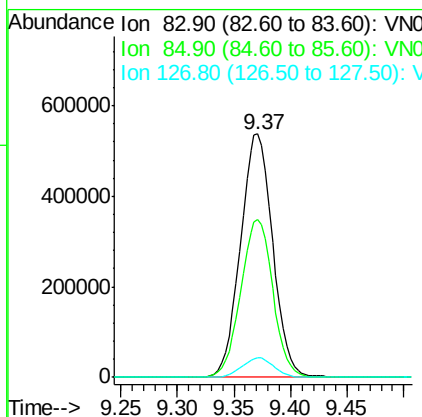
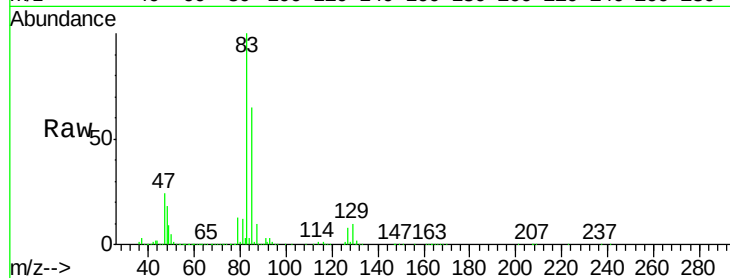
ClientSampled :

ICVVN070620

Tot Ion:	83	Resp:	1064602
Ion	Ratio	Lower	Upper
83	100		
85	65.1	49.8	74.6
127	8.1	6.2	9.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.310 ug/l

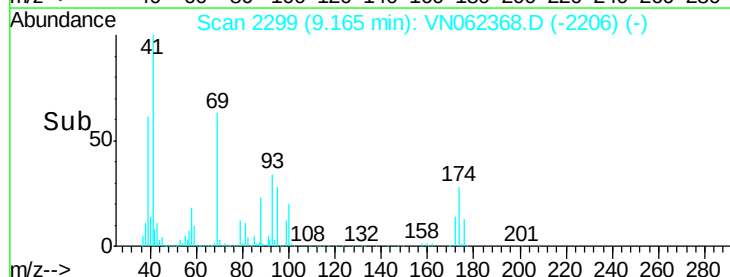
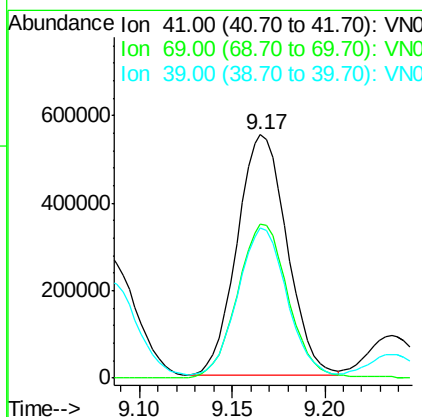
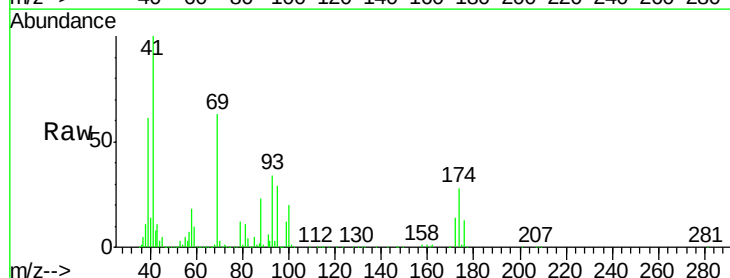
RT: 9.17 min Scan# 2299

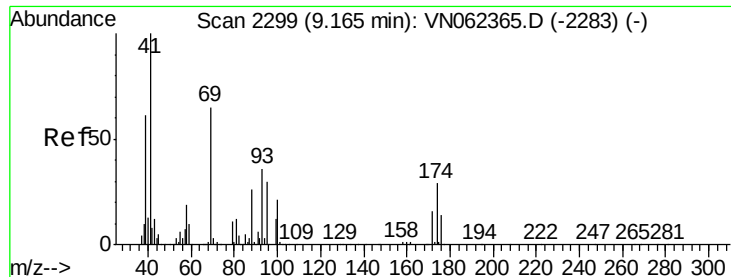
Delta R.T. -0.00 min

Lab File: VN062368.D

Acq: 6 Jul 2020 15:53

Tgt Ion:	41	Resp:	1031499
Ion	Ratio	Lower	Upper
41	100		
69	65.1	51.5	77.3
39	59.7	51.2	76.8





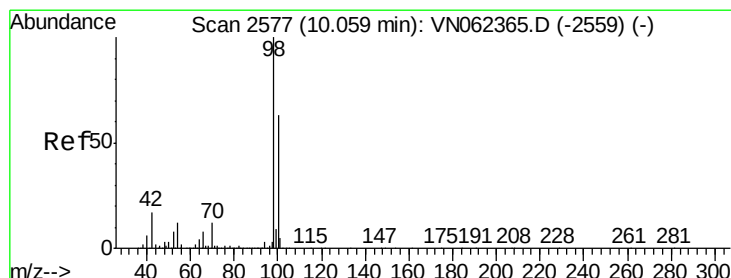
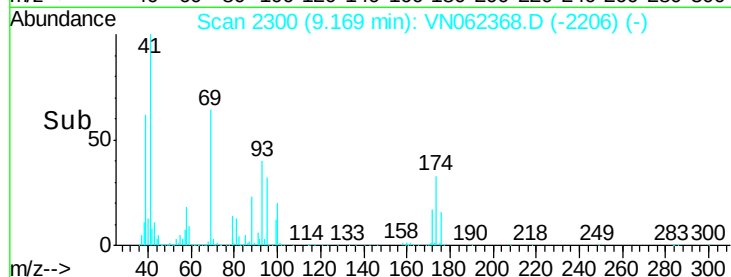
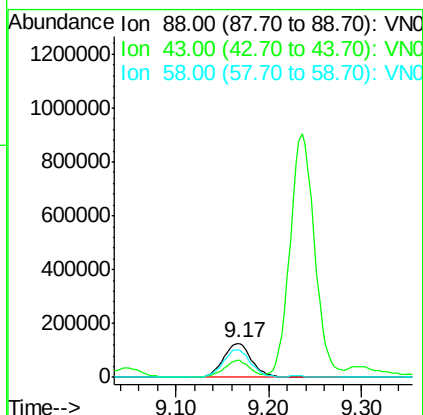
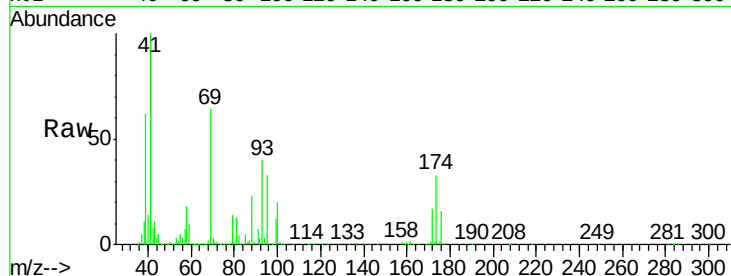
#49
1,4-Dioxane
Concen: 971.409 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN062368.D
Acq: 6 Jul 2020 15:53

Instrument :
MSVOA_N
ClientSampleId :
ICVVN070620

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.7	34.0	51.0
58	77.2	63.0	94.4

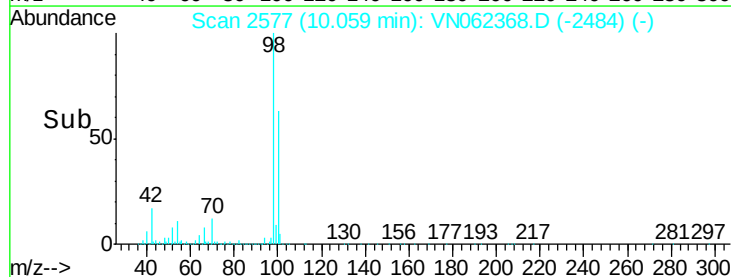
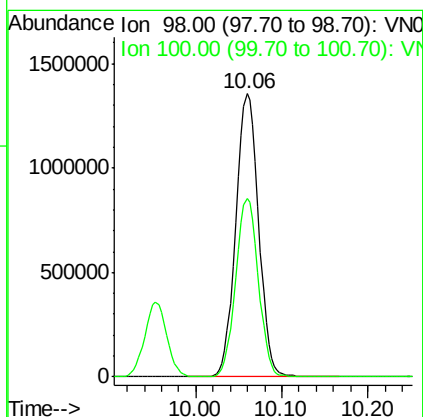
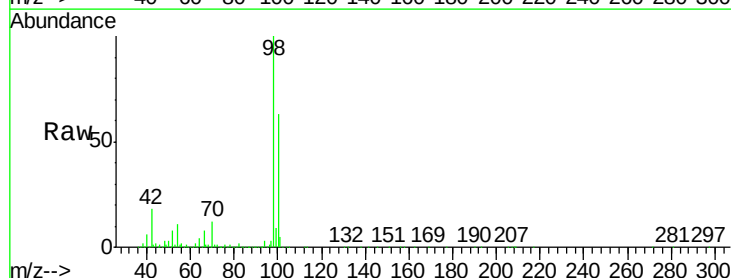
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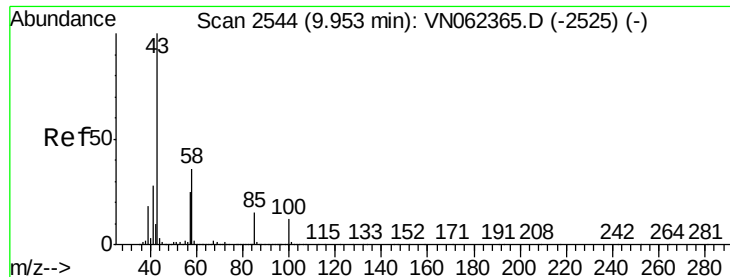
MMDadoda
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#50
Toluene-d8
Concen: 50.804 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062368.D
Acq: 6 Jul 2020 15:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.5	50.2	75.2





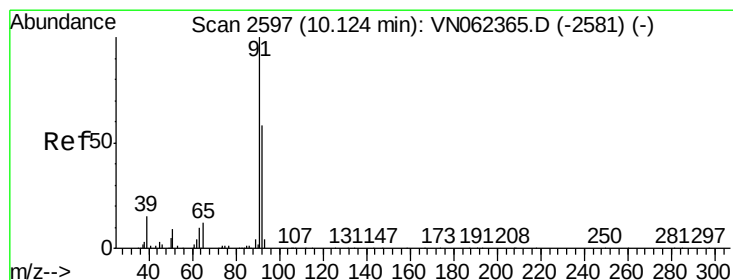
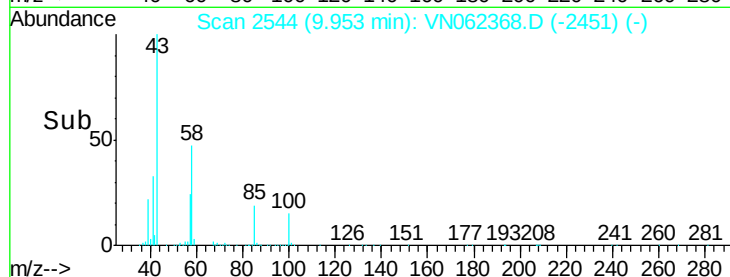
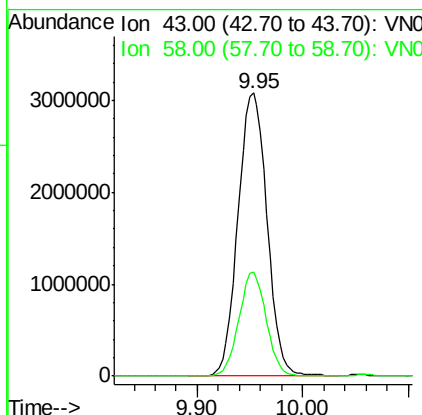
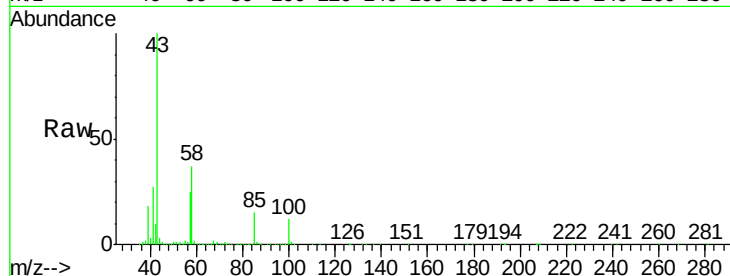
#51
4-Methyl-2-Pentanone
Concen: 258.277 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN062368.D
Acq: 6 Jul 2020 15:53

Instrument :
MSVOA_N
ClientSampled :
ICVVN070620

Tot Ion: 43 Resp: 5886886
Ion Ratio Lower Upper
43 100
58 34.6 27.6 41.4

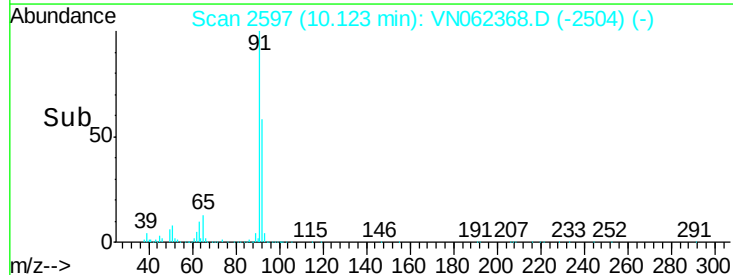
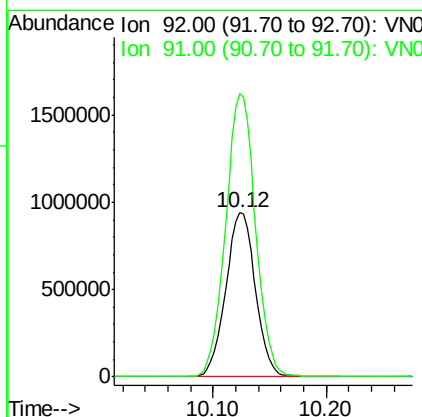
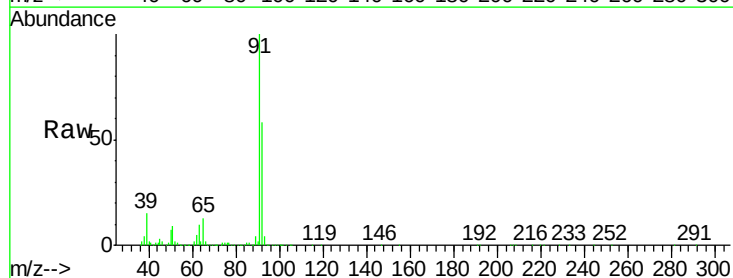
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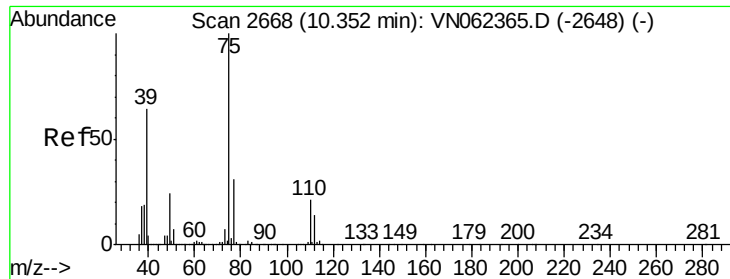
MMDadoda
7/7/2020 10:08:50 AM



#52
Toluene
Concen: 49.679 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN062368.D
Acq: 6 Jul 2020 15:53

Tgt Ion: 92 Resp: 1709731
Ion Ratio Lower Upper
92 100
91 174.0 139.4 209.2





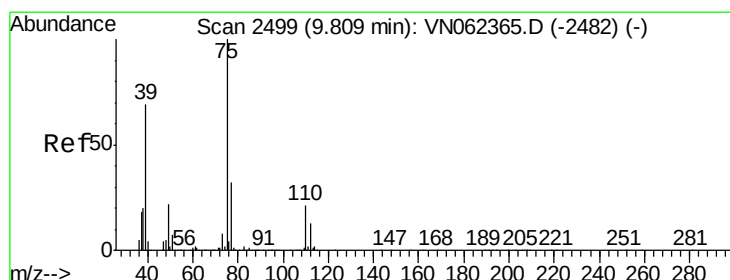
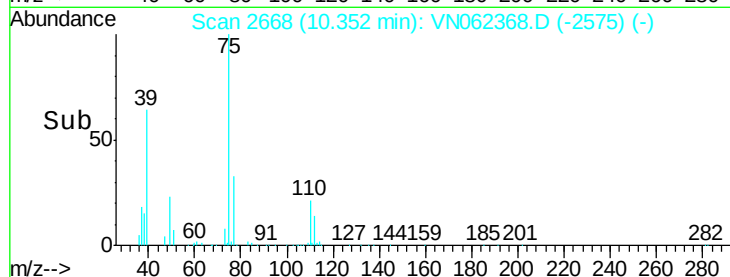
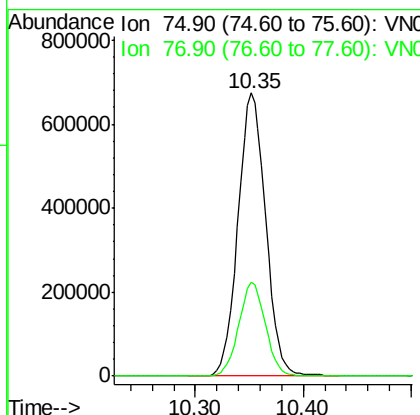
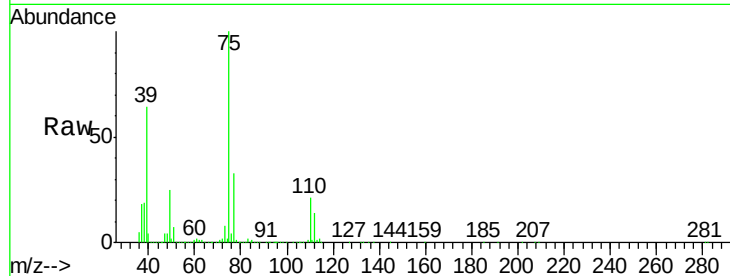
#53
t-1,3-Dichloropropene
Concen: 50.323 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN062368.D
Acq: 6 Jul 2020 15:53

Instrument :
MSVOA_N
ClientSampleId :
ICVVN070620

Tot Ion: 75 Resp: 1205081
Ion Ratio Lower Upper
75 100
77 33.1 24.9 37.3

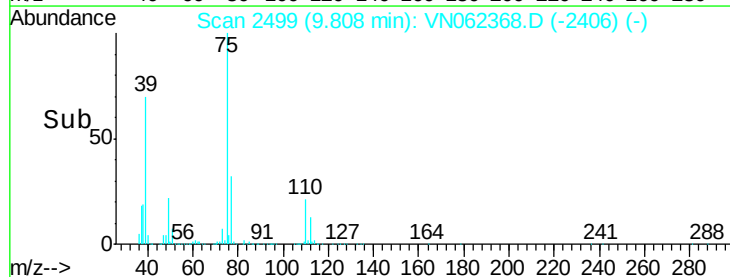
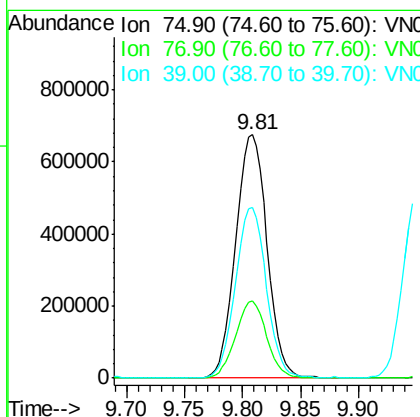
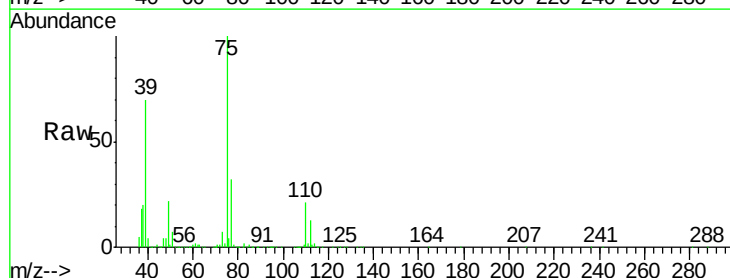
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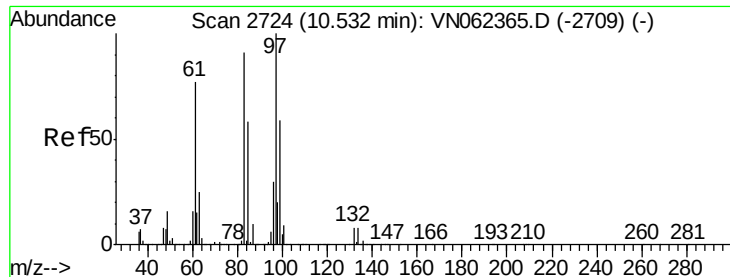
MMDadoda
7/7/2020 10:08:50 AM



#54
cis-1,3-Dichloropropene
Concen: 49.631 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN062368.D
Acq: 6 Jul 2020 15:53

Tgt Ion: 75 Resp: 1268151
Ion Ratio Lower Upper
75 100
77 31.5 26.0 39.0
39 69.7 55.3 82.9





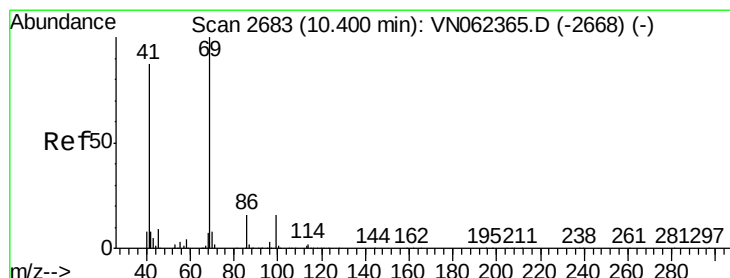
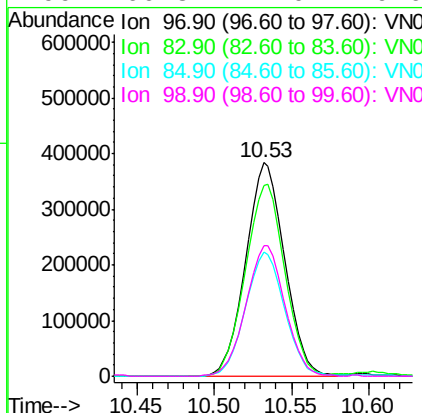
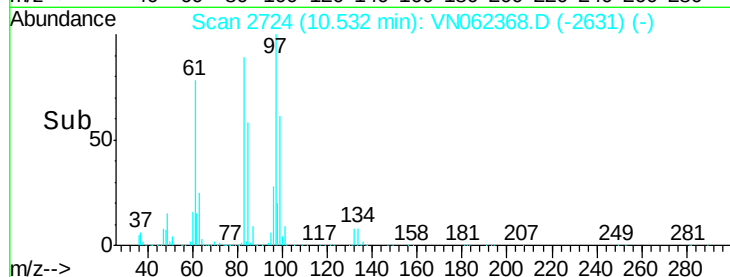
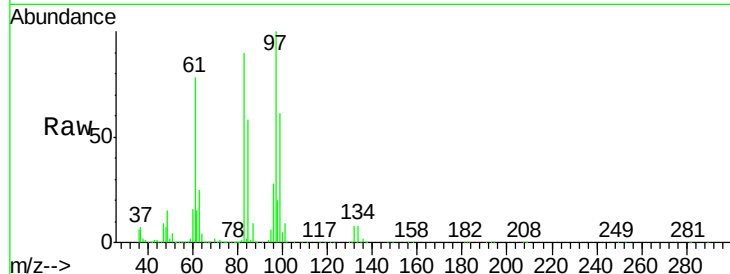
#55
 1,1,2-Trichloroethane
 Concen: 48.768 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062368.D
 Acq: 6 Jul 2020 15:53

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN070620

Tot Ion:	97	Resp:	672583
Ion	Ratio	Lower	Upper
97	100		
83	89.4	72.4	108.6
85	57.9	46.3	69.5
99	60.8	47.0	70.6

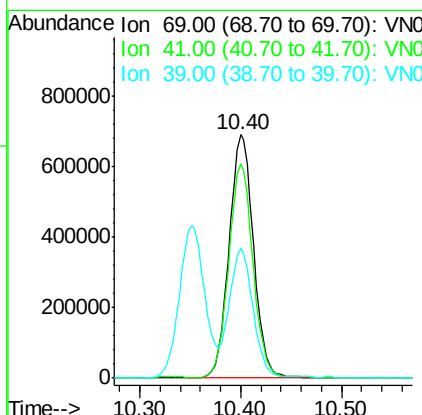
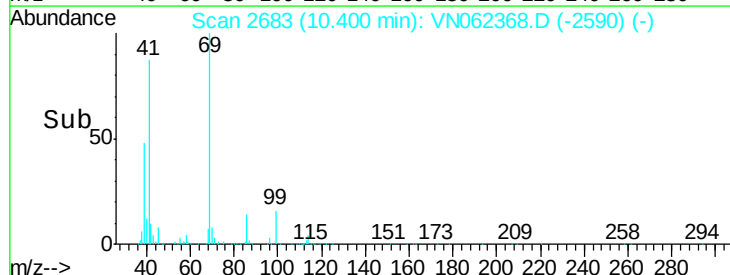
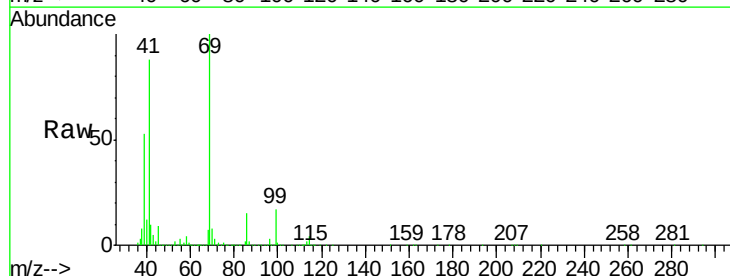
Manual Integrations
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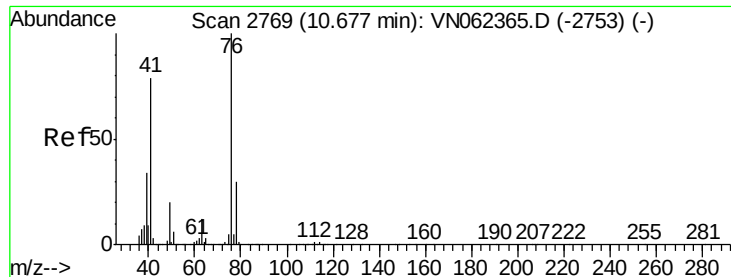
MMDadoda
 7/7/2020 10:08:50 AM



#56
 Ethyl methacrylate
 Concen: 52.699 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN062368.D
 Acq: 6 Jul 2020 15:53

Tgt Ion:	69	Resp:	1170608
Ion	Ratio	Lower	Upper
69	100		
41	87.1	69.4	104.0
39	51.2	42.4	63.6





#57

1,3-Dichloropropane

Concen: 48.278 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN062368.D

Acq: 6 Jul 2020 15:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN070620

Tot Ion: 76 Resp: 1236476

Ion Ratio Lower Upper

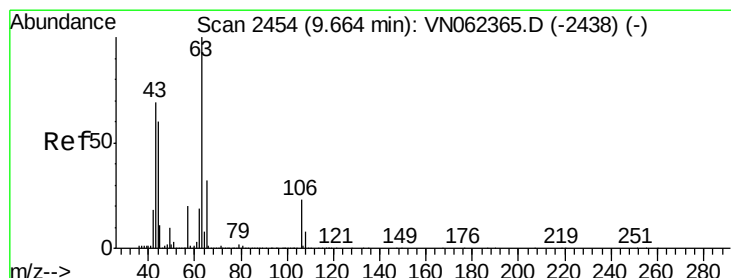
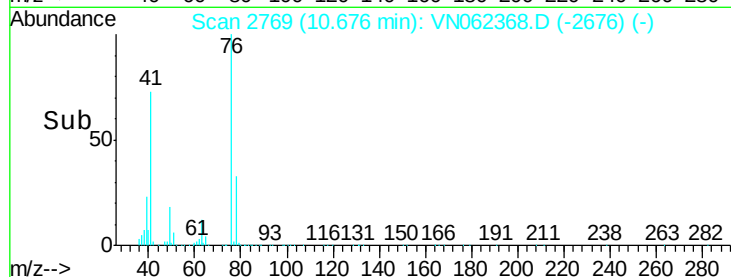
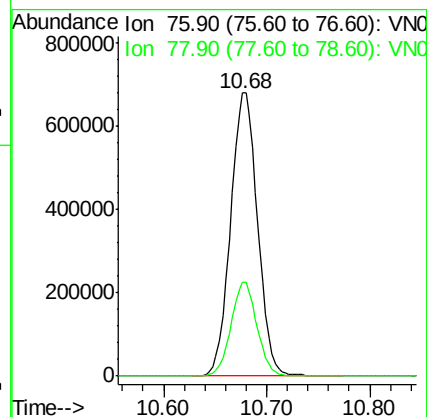
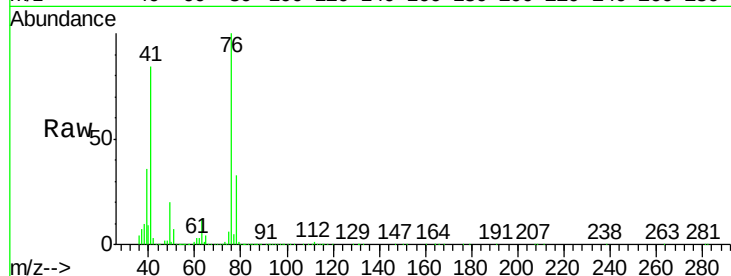
76 100

78 32.0 25.0 37.4

Manual Integrations
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7/7/2020 10:08:50 AM



#58

2-Chloroethyl Vinyl ether

Concen: 257.366 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VN062368.D

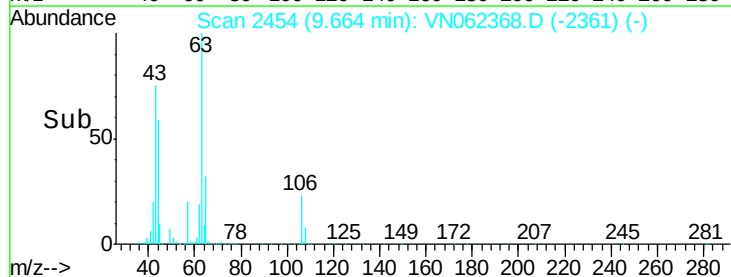
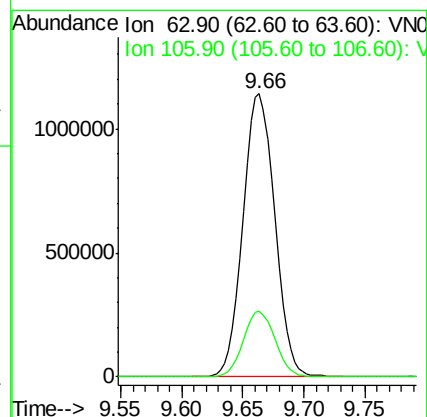
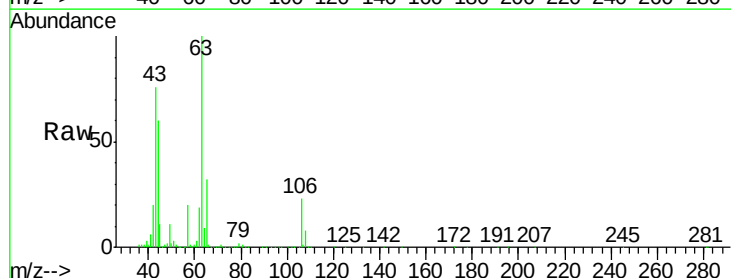
Acq: 6 Jul 2020 15:53

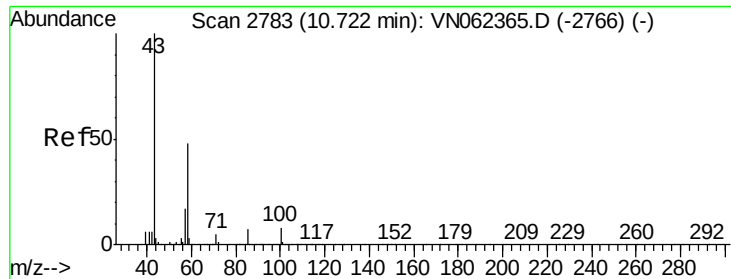
Tgt Ion: 63 Resp: 2056210

Ion Ratio Lower Upper

63 100

106 23.0 18.0 27.0





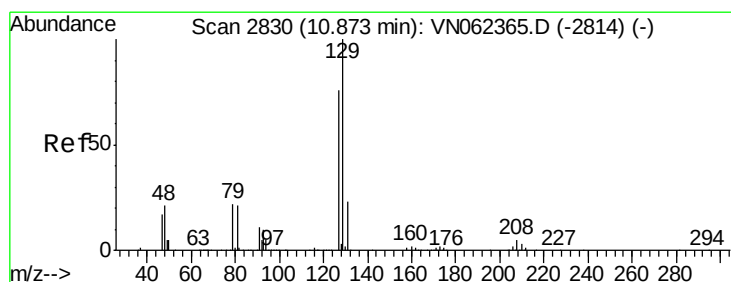
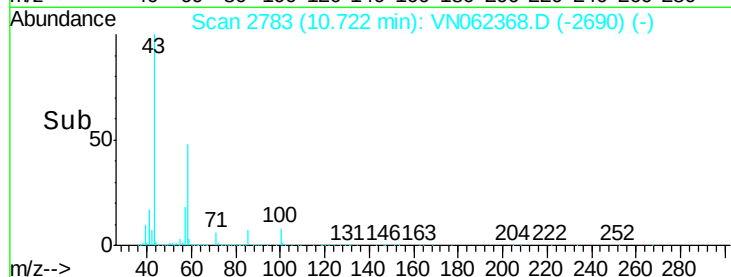
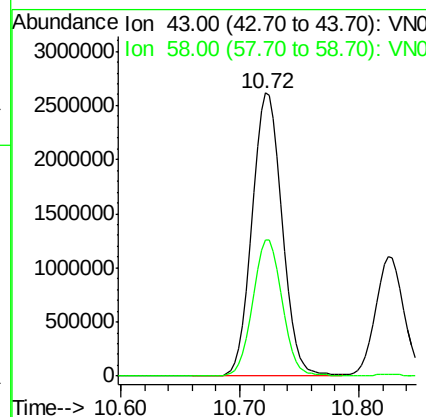
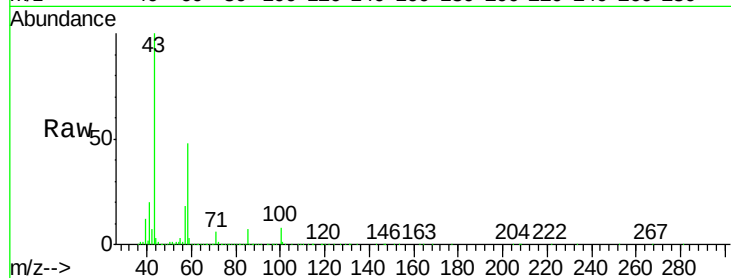
#59
2-Hexanone
Concen: 280.613 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN062368.D
Acq: 6 Jul 2020 15:53

Instrument :
MSVOA_N
ClientSampled :
ICVVN070620

Tot Ion: 43 Resp: 4568787
Ion Ratio Lower Upper
43 100
58 47.4 23.5 70.6

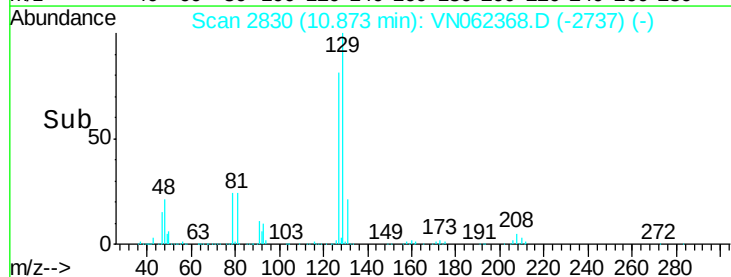
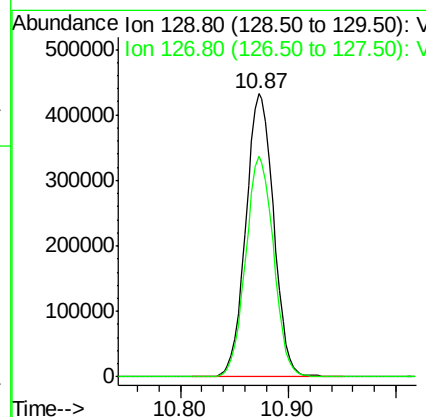
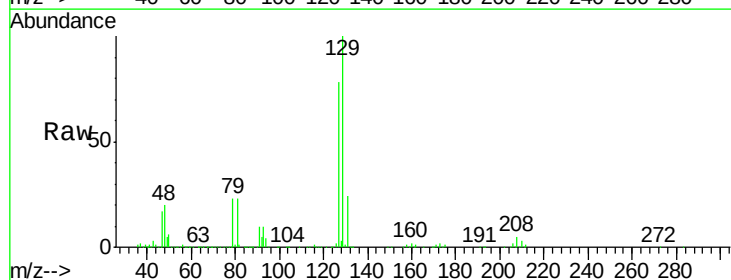
Manual Integrations
APPROVED

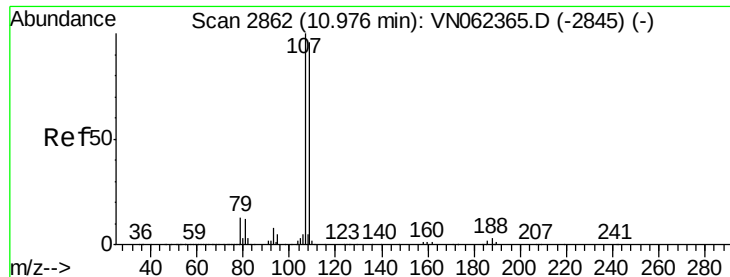
MMDadoda
7/7/2020 10:08:50 AM



#60
Dibromochloromethane
Concen: 49.381 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062368.D
Acq: 6 Jul 2020 15:53

Tgt Ion: 129 Resp: 775552
Ion Ratio Lower Upper
129 100
127 78.2 38.8 116.3





#61

1,2-Dibromoethane

Concen: 49.275 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN062368.D

Acq: 6 Jul 2020 15:53

Instrument :

MSVOA_N

ClientSampled :

ICVVN070620

Tot Ion: 107 Resp: 697649

Ion Ratio Lower Upper

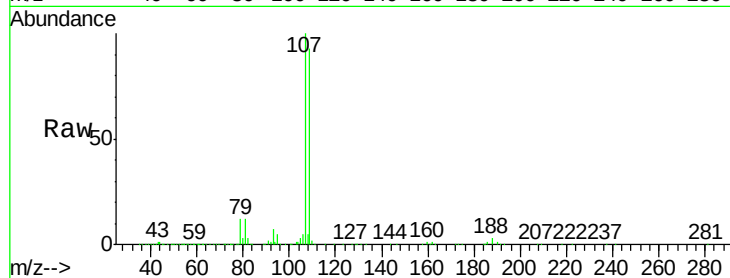
107 100

109 93.7 76.4 114.6

Manual Integrations
APPROVED

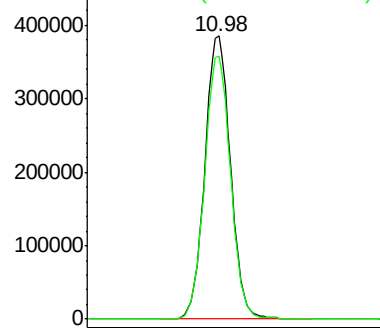
MMDadoda

7/7/2020 10:08:50 AM

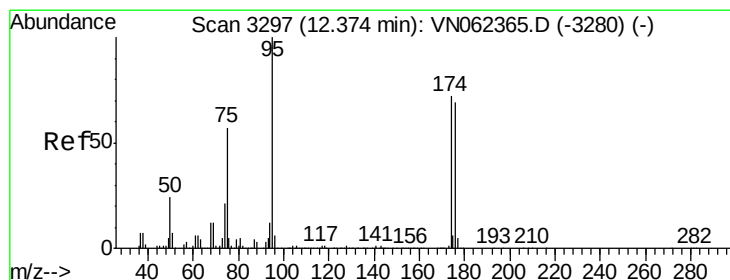
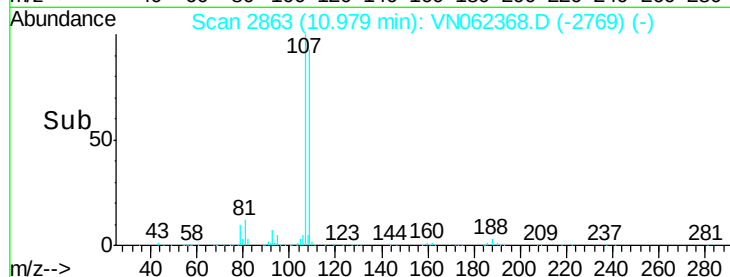


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 50.679 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062368.D

Acq: 6 Jul 2020 15:53

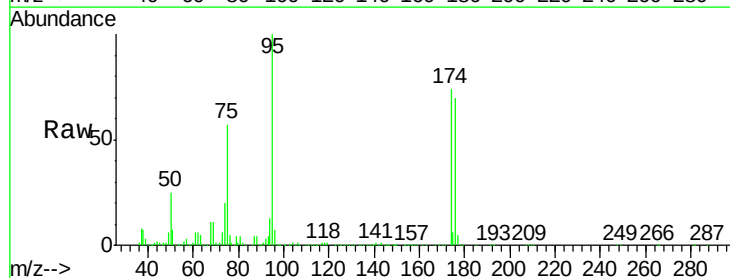
Tgt Ion: 95 Resp: 954322

Ion Ratio Lower Upper

95 100

174 72.2 0.0 145.8

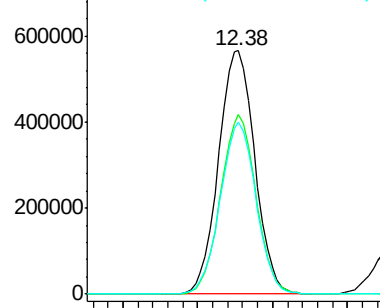
176 69.8 0.0 140.2



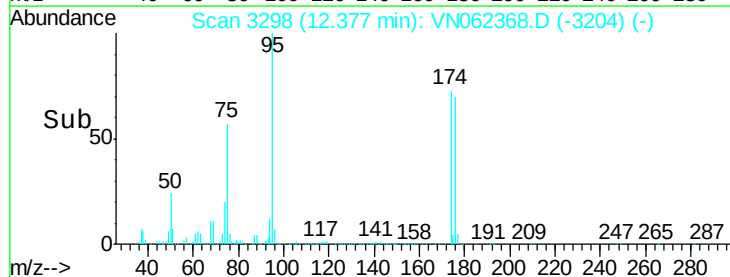
Abundance Ion 94.90 (94.60 to 95.60): V

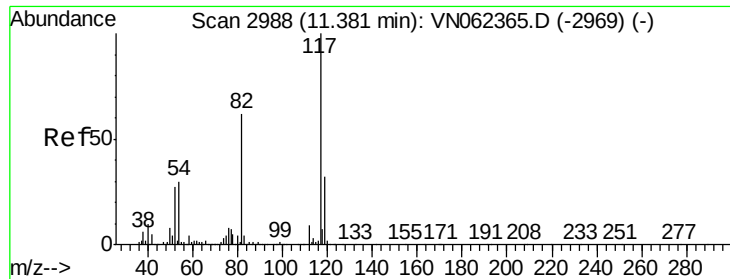
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





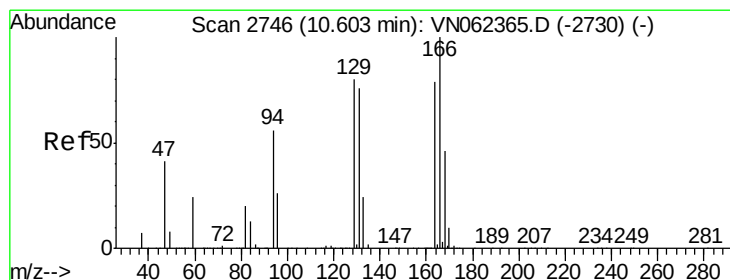
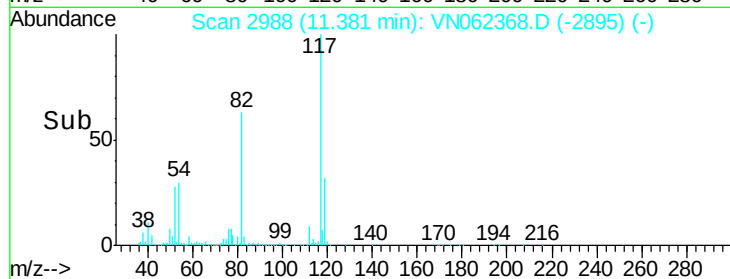
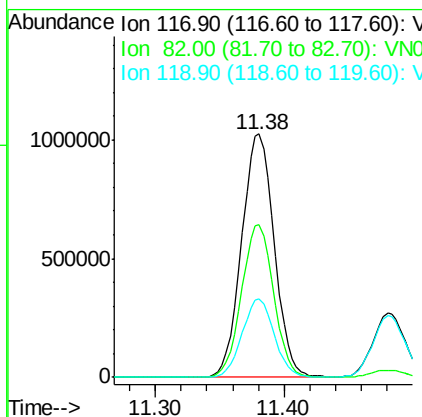
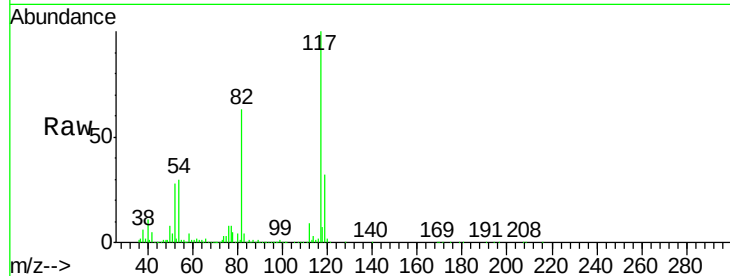
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062368.D
Acq: 6 Jul 2020 15:53

Instrument :
MSVOA_N
ClientSampled :
ICVVN070620

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.6	49.4	74.2
119	32.2	25.6	38.4

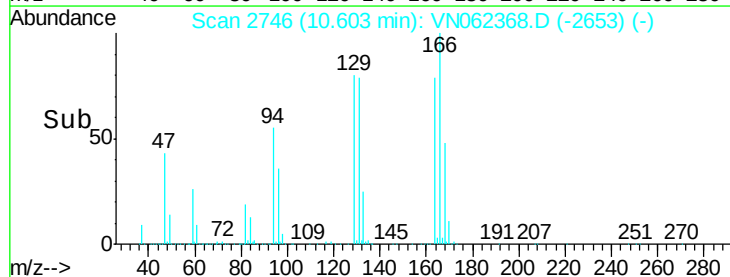
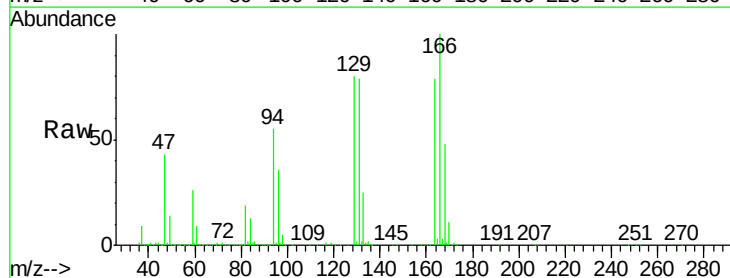
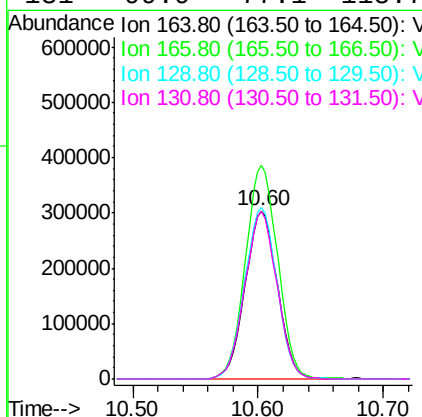
Manual Integrations
APPROVED

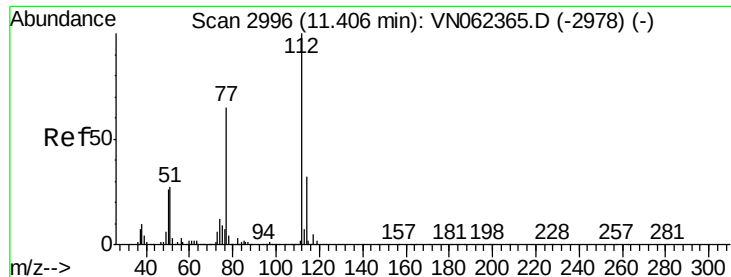
MMDadoda
7/7/2020 10:08:50 AM



#64
Tetrachloroethene
Concen: 46.771 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062368.D
Acq: 6 Jul 2020 15:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	101.6	152.4
129	102.3	81.4	122.2
131	99.9	77.1	115.7





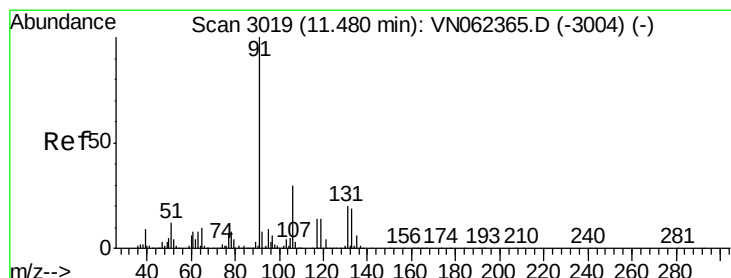
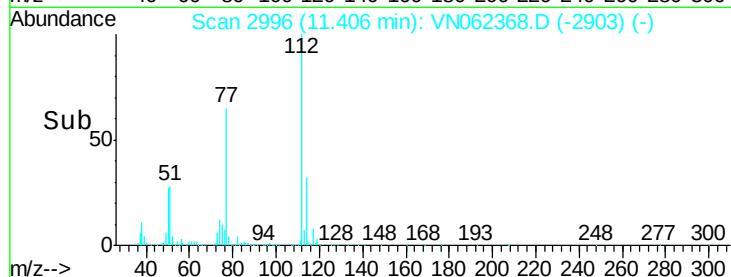
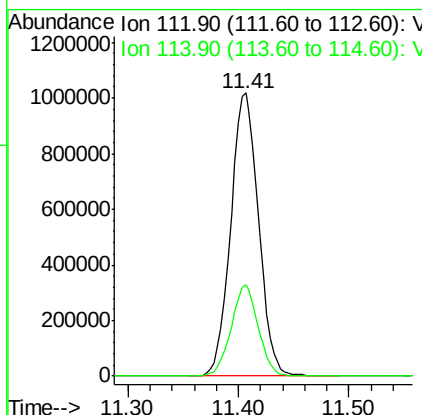
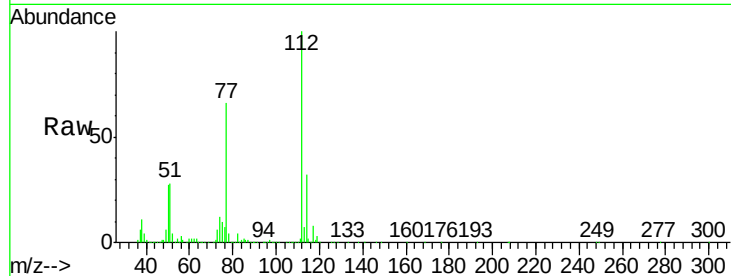
#65
Chlorobenzene
Concen: 48.007 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062368.D
Acq: 6 Jul 2020 15:53

Instrument :
MSVOA_N
ClientSampled :
ICVVN070620

Tot Ion:112 Resp: 1778768
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.8

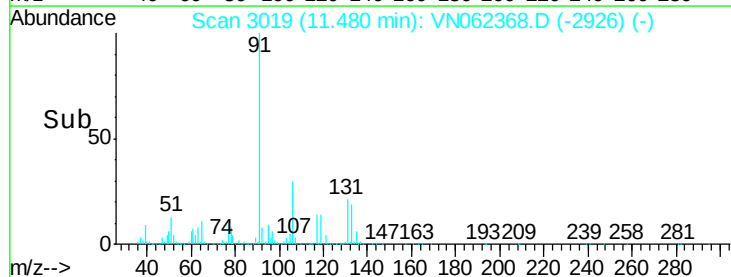
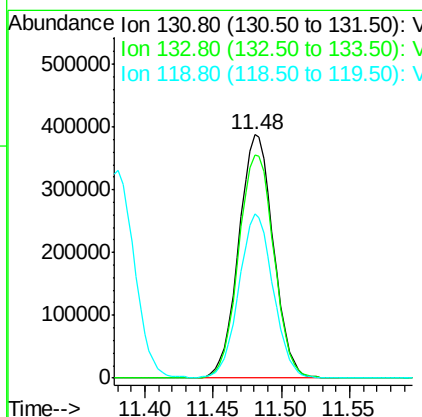
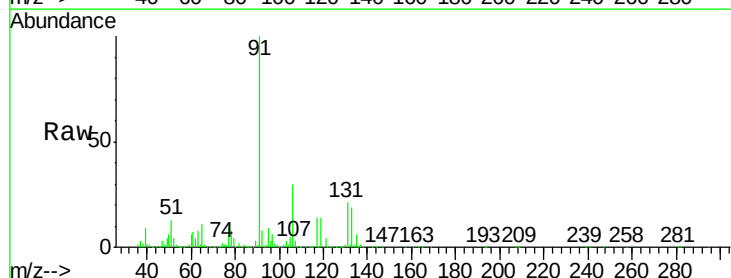
Manual Integrations
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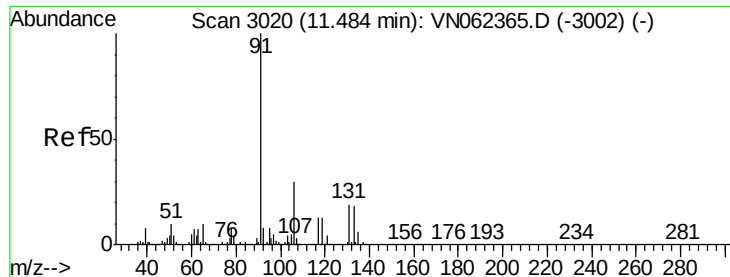
MMDadoda
7/7/2020 10:08:50 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.041 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062368.D
Acq: 6 Jul 2020 15:53

Tgt Ion:131 Resp: 683259
Ion Ratio Lower Upper
131 100
133 93.7 47.3 141.9
119 66.5 33.3 99.9





#67

Ethyl Benzene

Concen: 50.831 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. -0.00 min

Lab File: VN062368.D

Acq: 6 Jul 2020 15:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN070620

Tot Ion: 91 Resp: 3325740

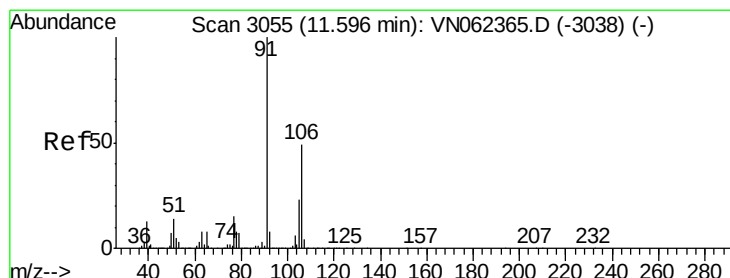
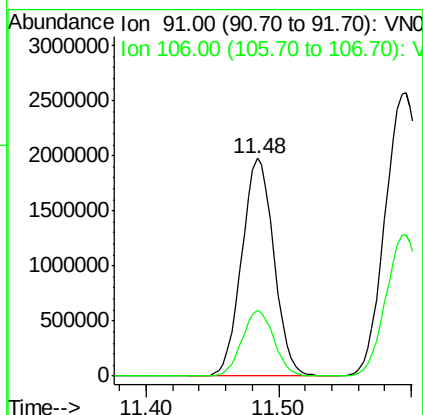
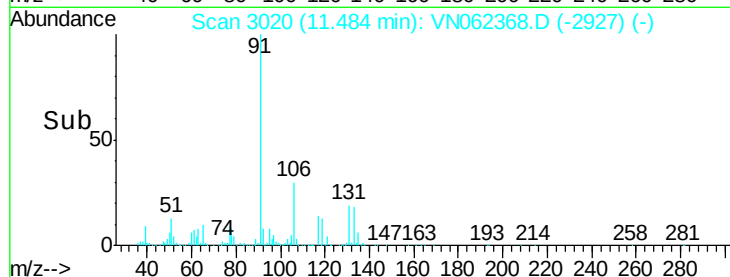
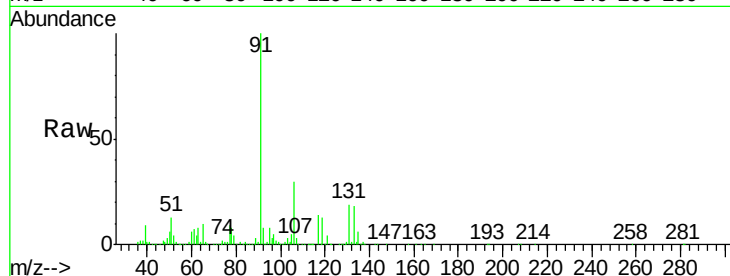
Ion Ratio Lower Upper

91 100

106 30.0 24.2 36.2

Manual Integrations
APPROVED

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7/7/2020 10:08:50 AM



#68

m/p-Xylenes

Concen: 101.916 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. -0.00 min

Lab File: VN062368.D

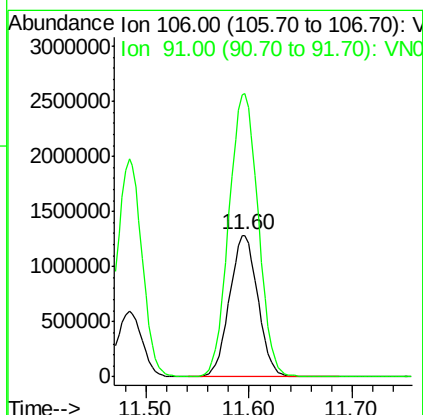
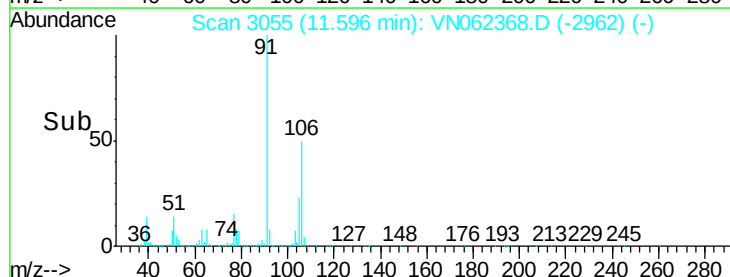
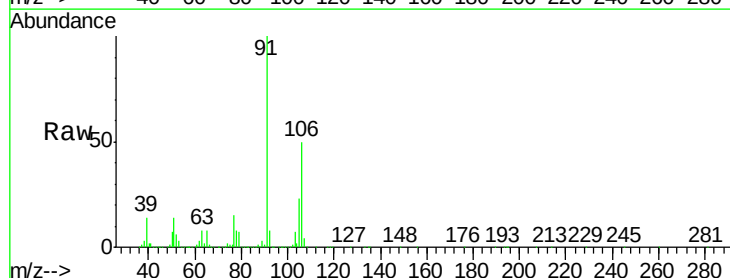
Acq: 6 Jul 2020 15:53

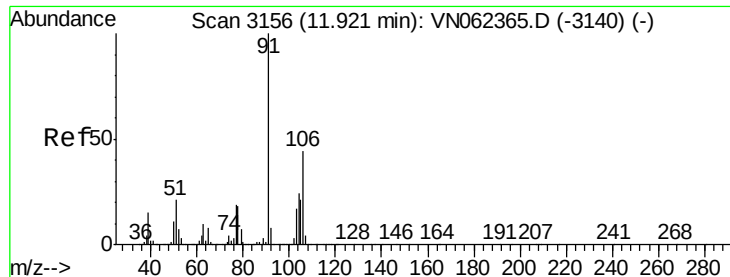
Tgt Ion: 106 Resp: 2450936

Ion Ratio Lower Upper

106 100

91 207.2 165.4 248.2





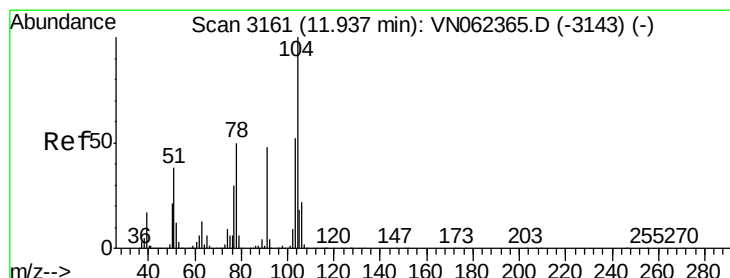
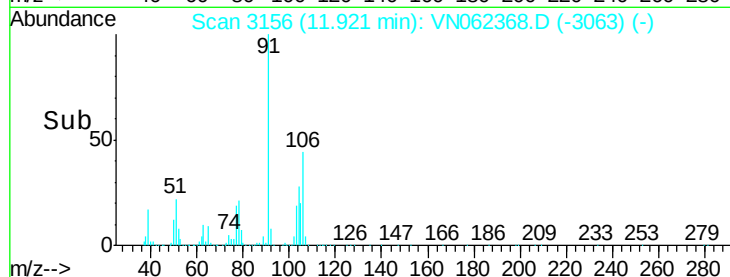
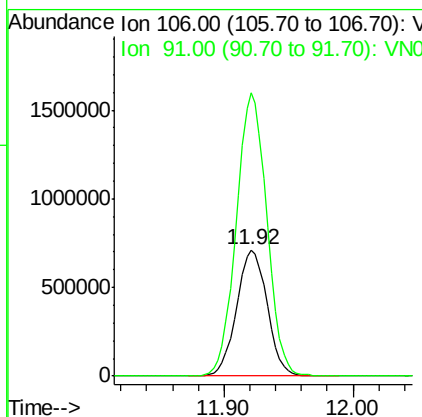
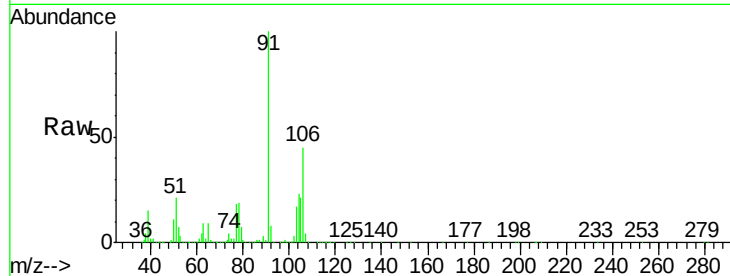
#69
o-Xylene
Concen: 49.423 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062368.D
Acq: 6 Jul 2020 15:53

Instrument :
MSVOA_N
ClientSampleId :
ICVVN070620

Tot Ion:106 Resp: 1169076
Ion Ratio Lower Upper
106 100
91 224.9 113.1 339.4

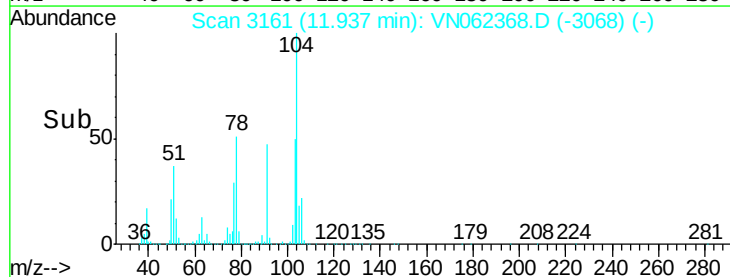
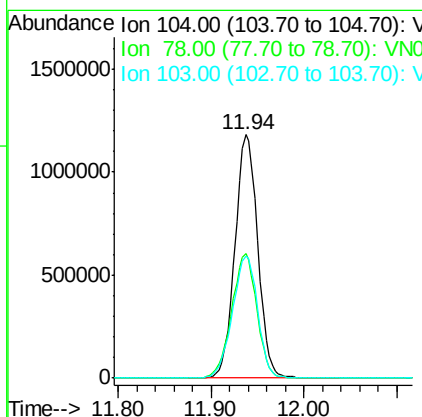
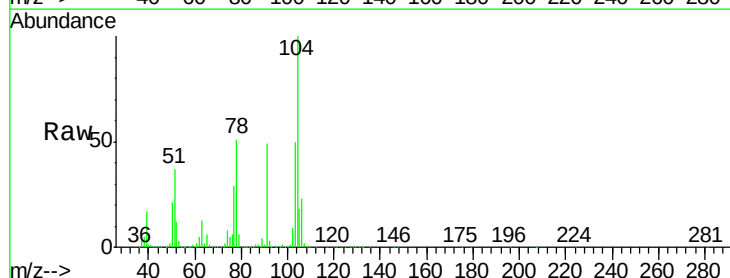
Manual Integrations
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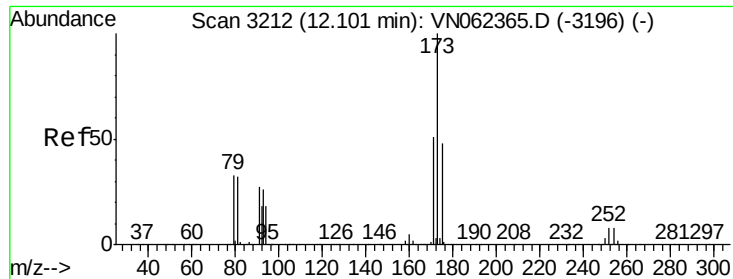
MMDadoda
7/7/2020 10:08:50 AM



#70
Styrene
Concen: 51.631 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062368.D
Acq: 6 Jul 2020 15:53

Tgt Ion:104 Resp: 2018076
Ion Ratio Lower Upper
104 100
78 56.1 44.8 67.2
103 55.5 45.0 67.4





#71

Bromoform

Concen: 48.868 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062368.D

Acq: 6 Jul 2020 15:53

Instrument :

MSVOA_N

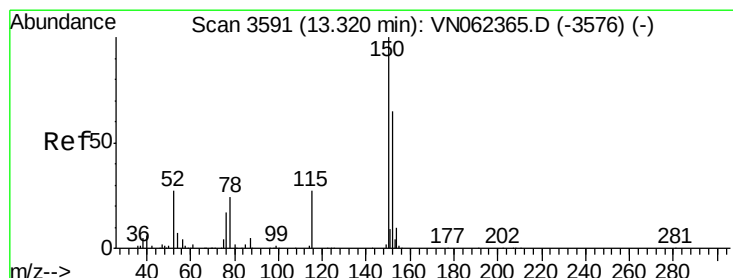
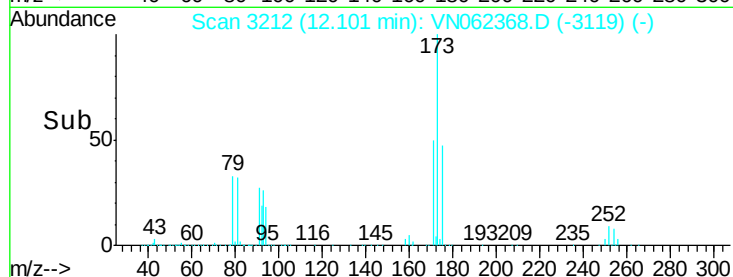
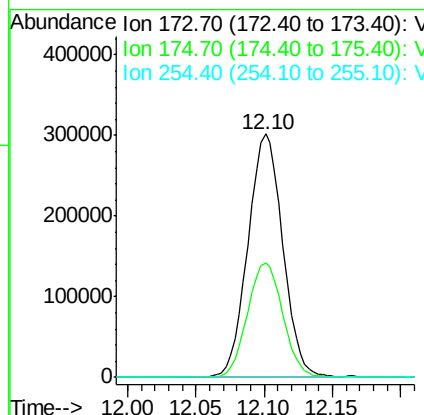
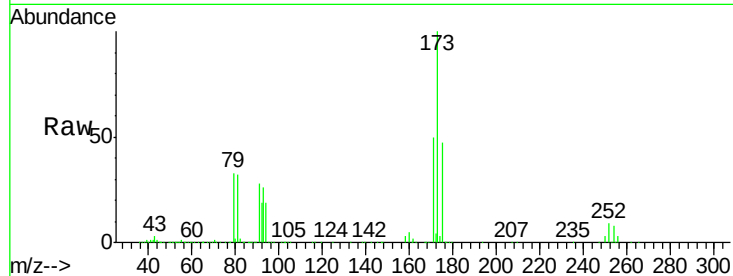
ClientSampleId :

ICVVN070620

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.1	72.2
254	0.1	0.2	0.2#

Manual Integrations
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MMDadoda
7/7/2020 10:08:50 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

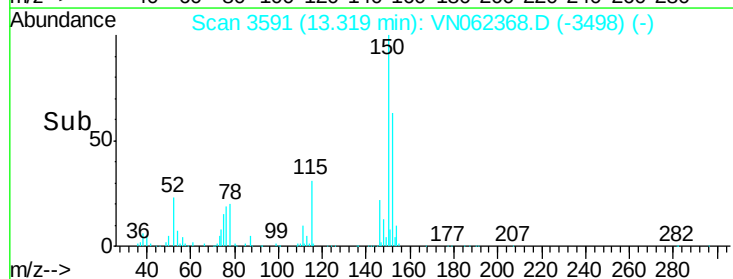
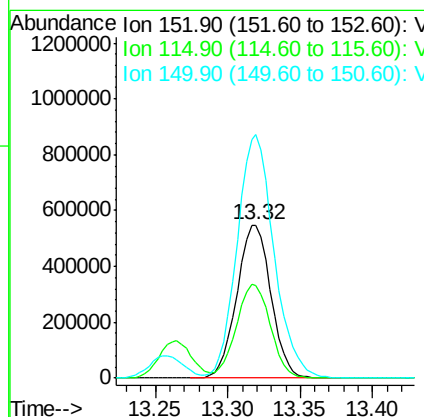
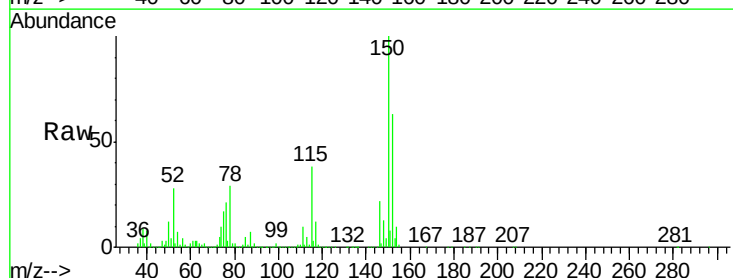
RT: 13.32 min Scan# 3591

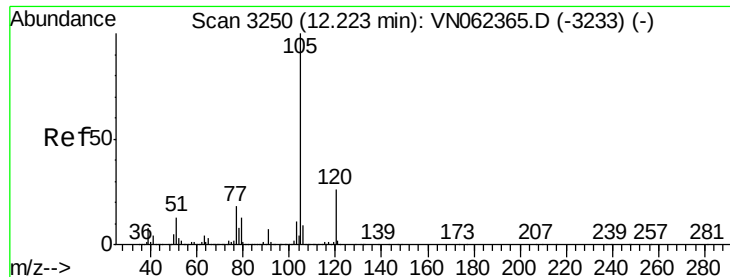
Delta R.T. -0.00 min

Lab File: VN062368.D

Acq: 6 Jul 2020 15:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.1	30.5	91.5
150	171.9	0.0	346.8





#73

Isopropylbenzene

Concen: 47.572 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062368.D

Acq: 6 Jul 2020 15:53

Instrument :

MSVOA_N

ClientSampled :

ICVVN070620

Tot Ion:105 Resp: 3191265

Ion Ratio Lower Upper

105 100

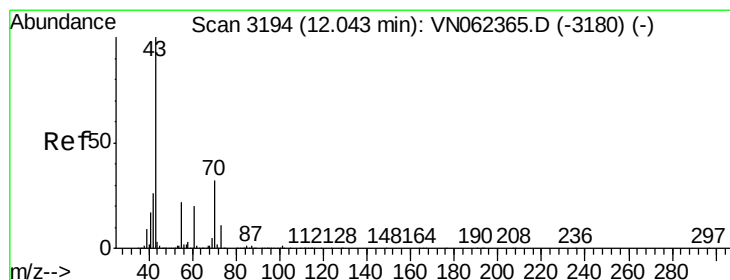
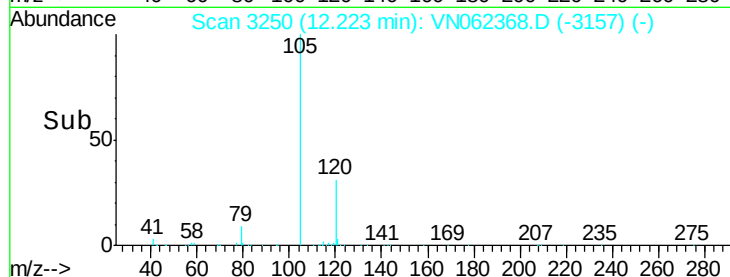
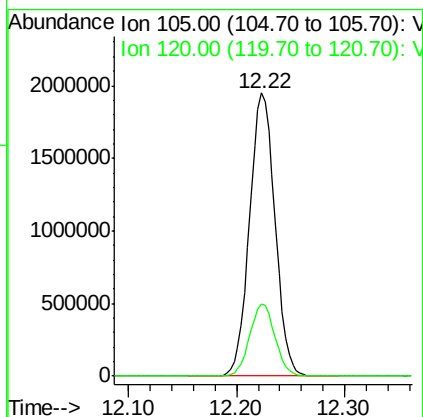
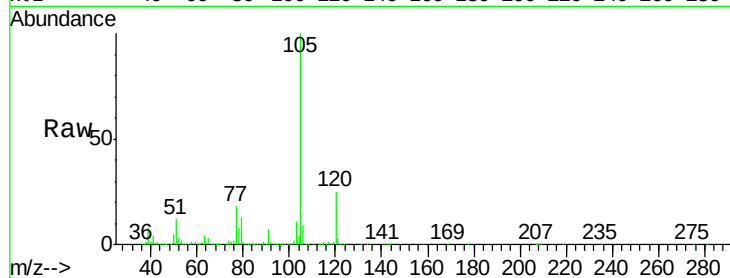
120 25.3 12.8 38.3

Manual Integrations

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MMDadoda

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#74

N-ethyl acetate

Concen: 52.117 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN062368.D

Acq: 6 Jul 2020 15:53

Tgt Ion: 43 Resp: 1859331

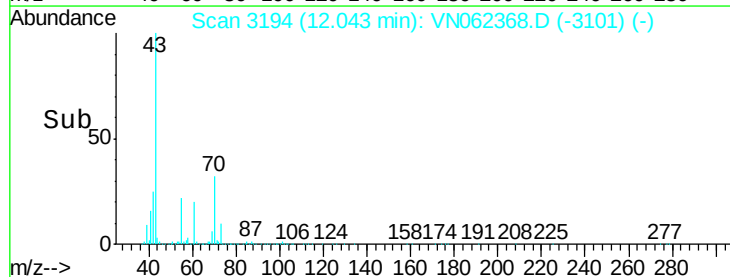
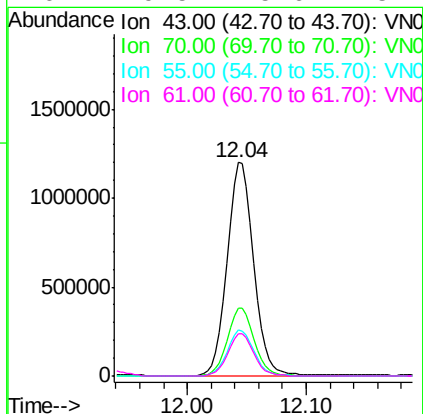
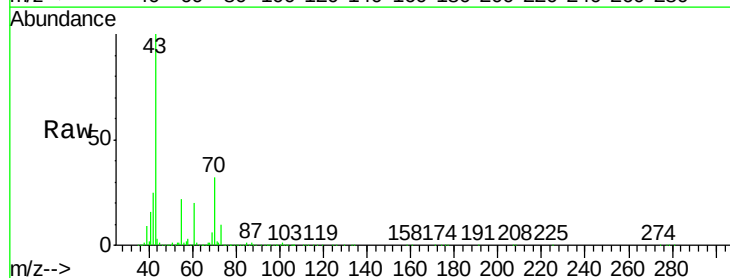
Ion Ratio Lower Upper

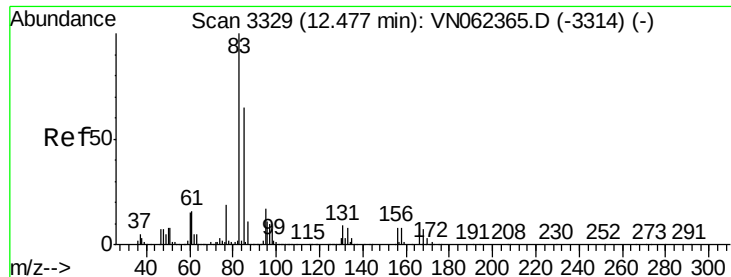
43 100

70 32.3 25.9 38.9

55 21.7 17.4 26.0

61 19.5 15.6 23.4





#75

1,1,2,2-Tetrachloroethane

Concen: 45.448 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN062368.D

Acq: 6 Jul 2020 15:53

Instrument :

MSVOA_N

ClientSampled :

ICVVN070620

Tot Ion: 83 Resp: 1055293

Ion Ratio Lower Upper

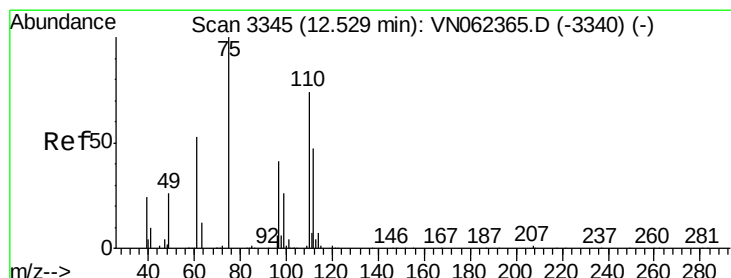
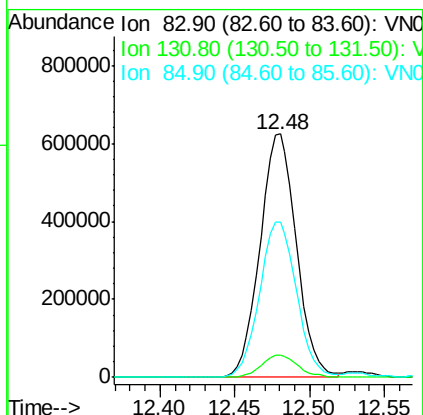
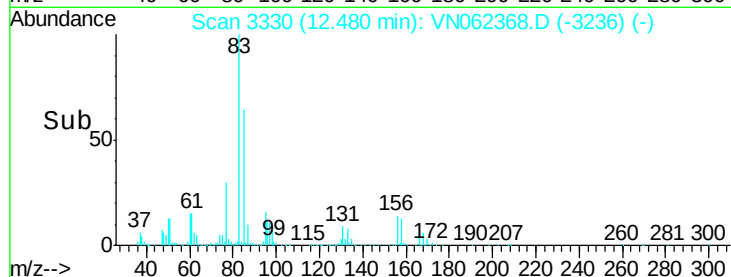
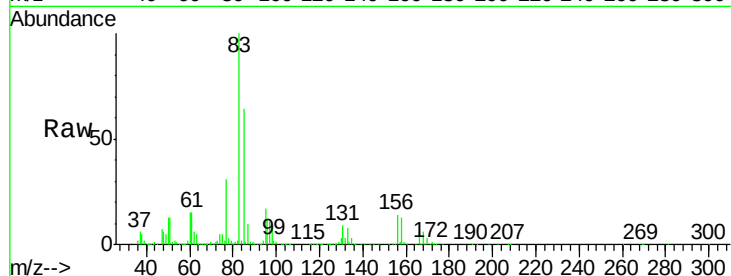
83 100

131 9.2 4.8 14.3

85 64.9 32.3 96.9

Manual Integrations
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MMDadoda
7/7/2020 10:08:50 AM



#76

1,2,3-Trichloropropane

Concen: 43.996 ug/l m

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN062368.D

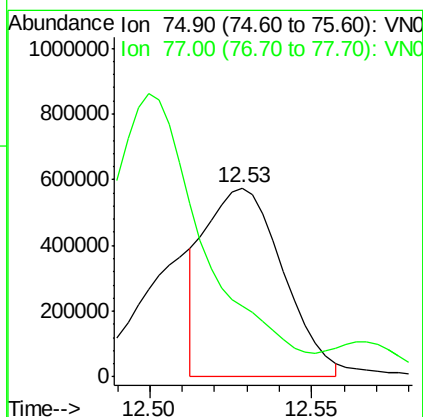
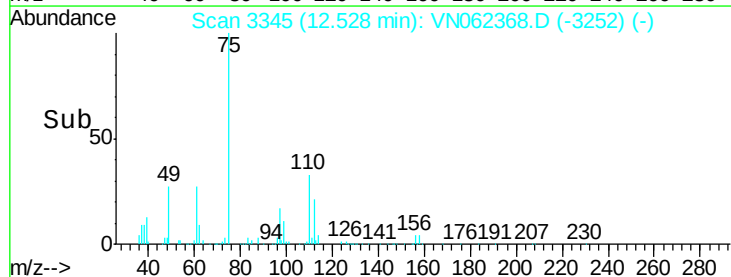
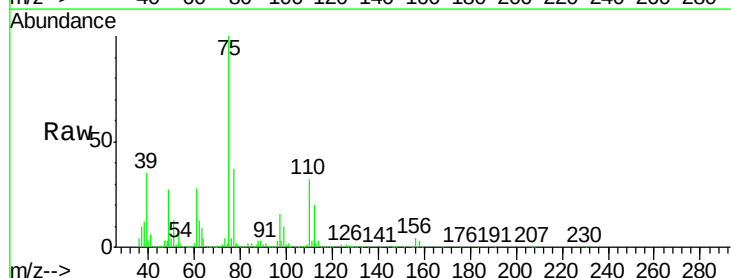
Acq: 6 Jul 2020 15:53

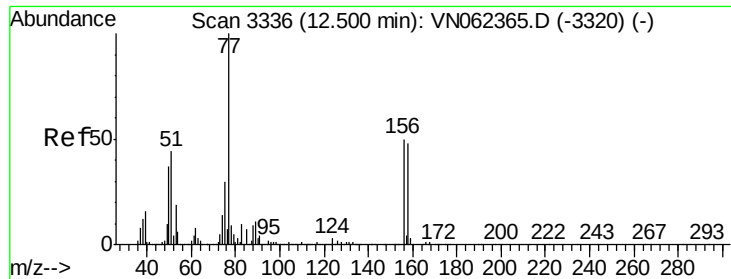
Tgt Ion: 75 Resp: 953743

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 47.593 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062368.D

Acq: 6 Jul 2020 15:53

Instrument :

MSVOA_N

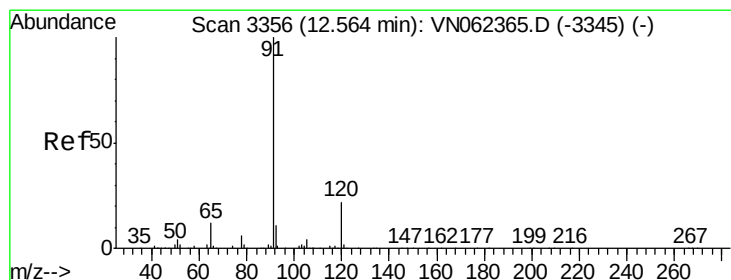
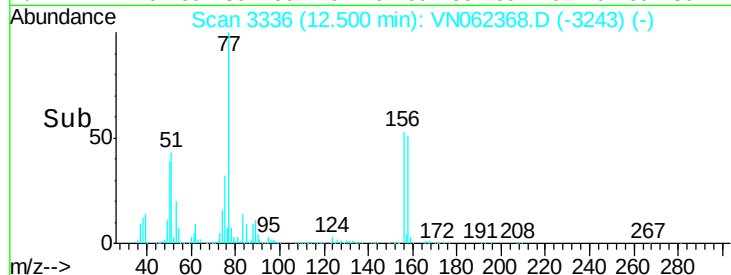
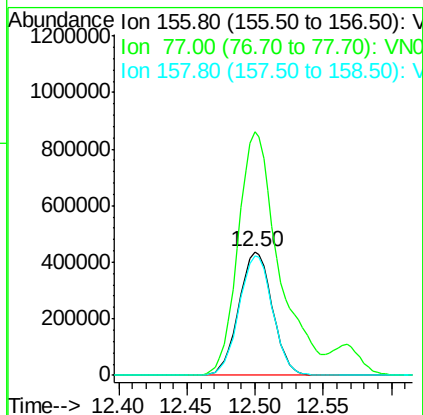
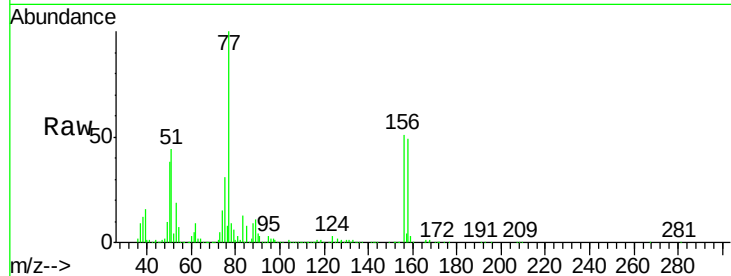
ClientSampleId :

ICVVN070620

Tot Ion:	156	Resp:	746775
Ion Ratio	Lower	Upper	
156	100		
77	239.6	123.3	369.8
158	96.8	49.6	148.8

Manual Integrations
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#78

n-propylbenzene

Concen: 47.993 ug/l

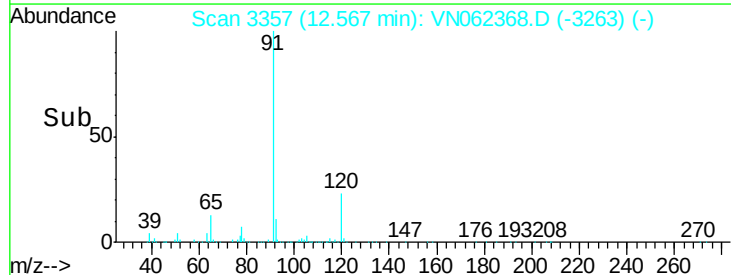
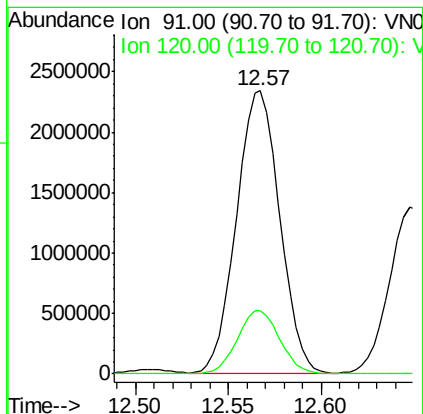
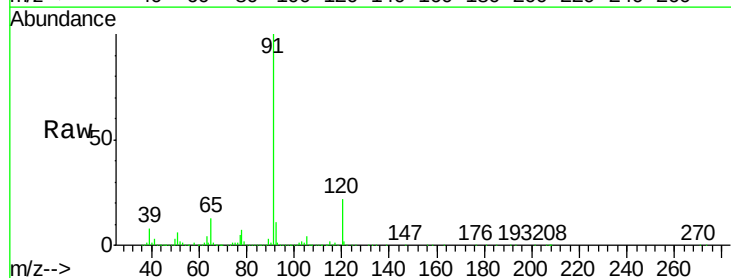
RT: 12.57 min Scan# 3357

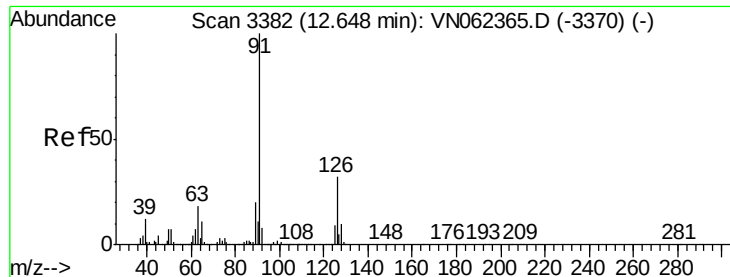
Delta R.T. 0.00 min

Lab File: VN062368.D

Acq: 6 Jul 2020 15:53

Tgt Ion:	91	Resp:	3771928
Ion Ratio	Lower	Upper	
91	100		
120	22.1	10.9	32.6





#79

2-Chlorotoluene

Concen: 47.050 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062368.D

Acq: 6 Jul 2020 15:53

Instrument :

MSVOA_N

ClientSampled :

ICVVN070620

Tot Ion: 91 Resp: 2267896

Ion Ratio Lower Upper

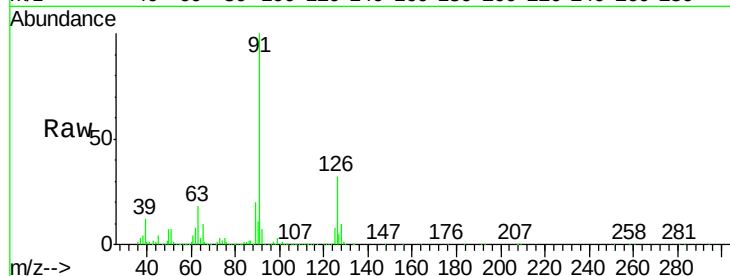
91 100

126 32.3 15.8 47.4

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN062368.D (-3289) (-)

Ion 125.90 (125.60 to 126.60): VN062368.D (-3289) (-)

2500000

2000000

1500000

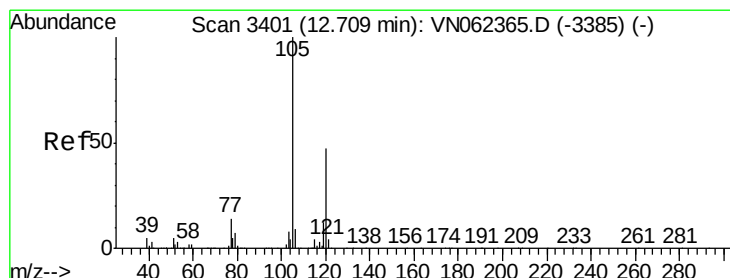
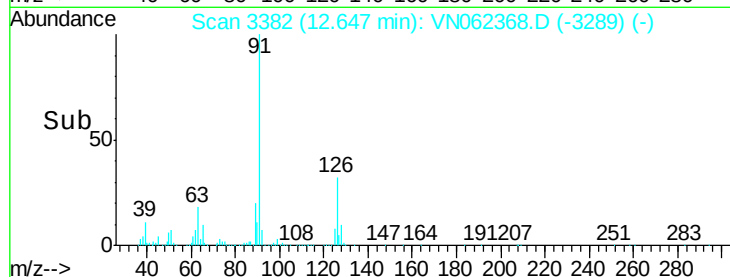
1000000

500000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 48.676 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062368.D

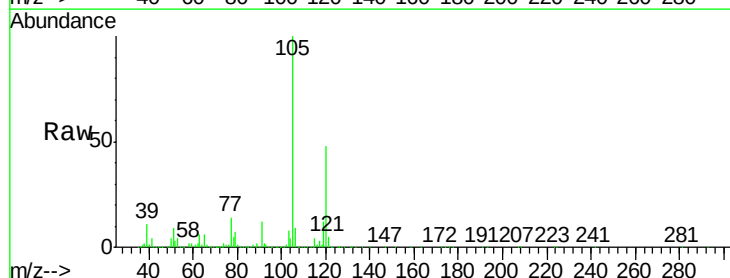
Acq: 6 Jul 2020 15:53

Tgt Ion:105 Resp: 2717803

Ion Ratio Lower Upper

105 100

120 47.3 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): VN062368.D (-3308) (-)

Ion 120.00 (119.70 to 120.70): VN062368.D (-3308) (-)

2000000

1500000

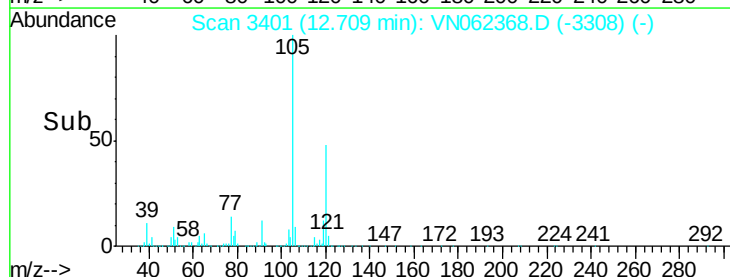
1000000

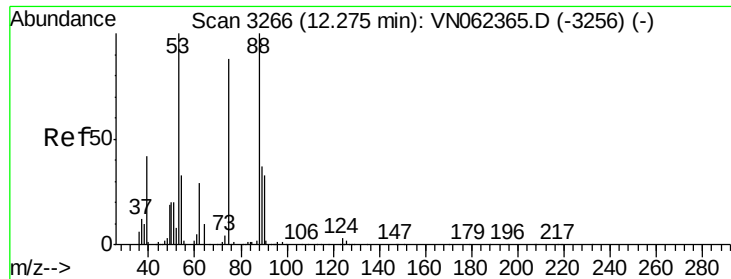
500000

0

12.60 12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 49.072 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062368.D

Acq: 6 Jul 2020 15:53

Instrument :

MSVOA_N

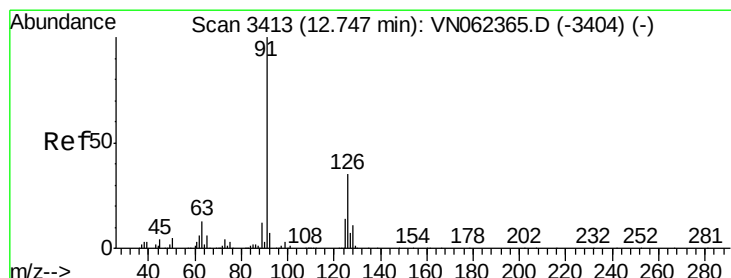
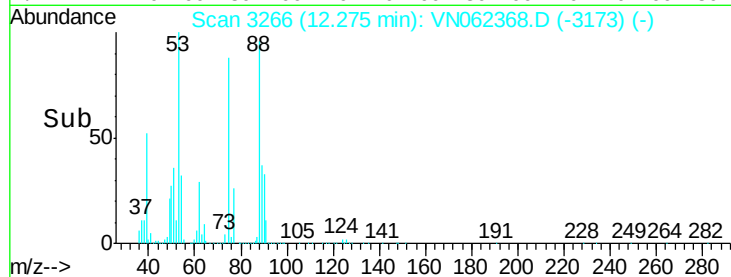
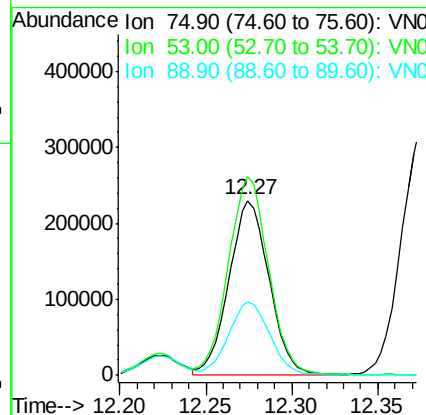
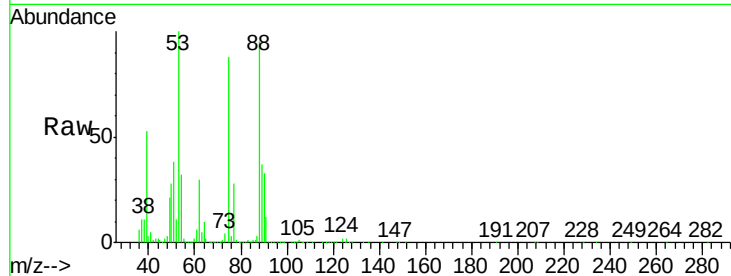
ClientSampled :

ICVVN070620

Tot Ion:	75	Resp:	371995
Ion	Ratio	Lower	Upper
75	100		
53	113.8	92.3	138.5
89	42.9	37.0	55.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.391 ug/l

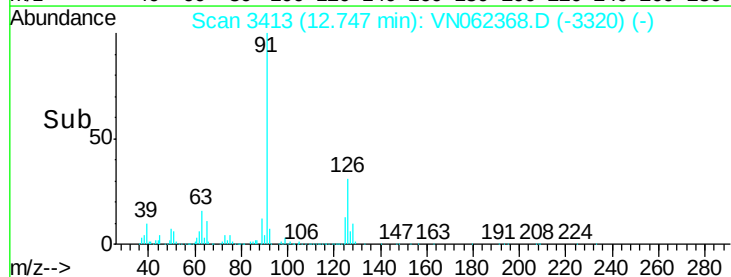
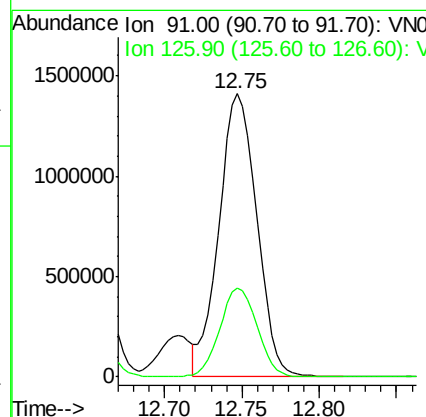
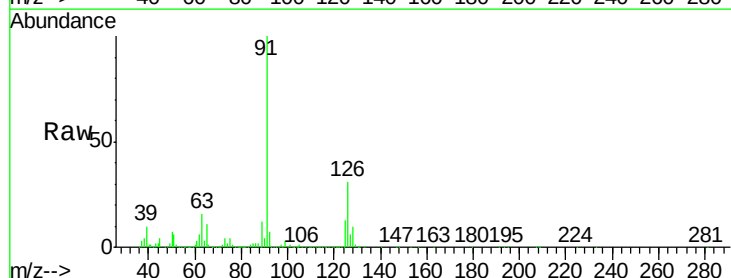
RT: 12.75 min Scan# 3413

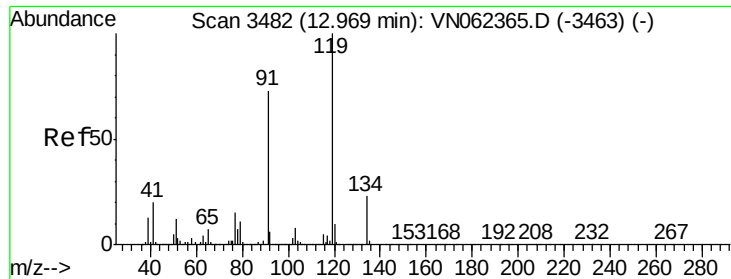
Delta R.T. -0.00 min

Lab File: VN062368.D

Acq: 6 Jul 2020 15:53

Tgt Ion:	91	Resp:	2385755
Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.6	46.7





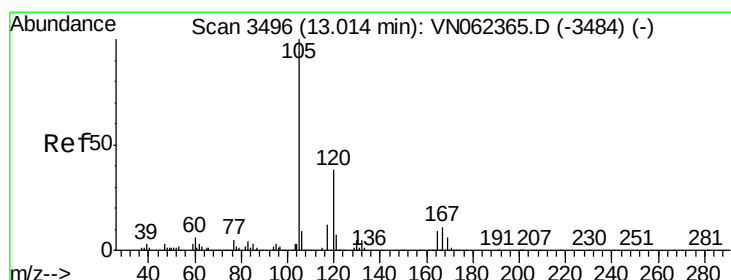
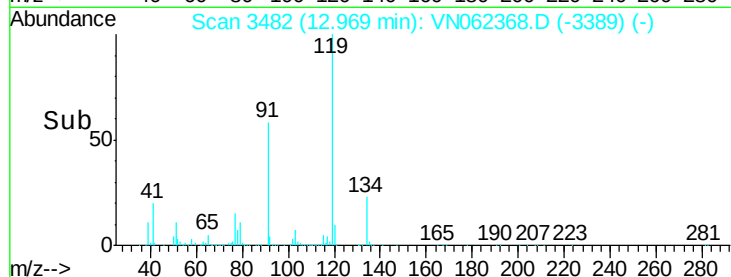
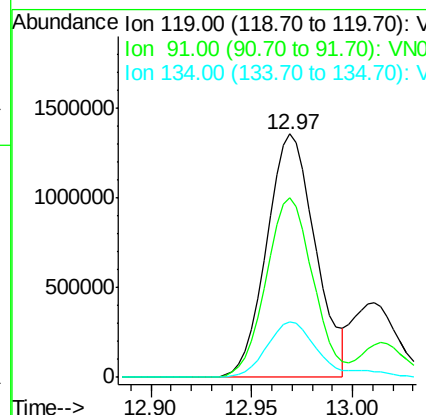
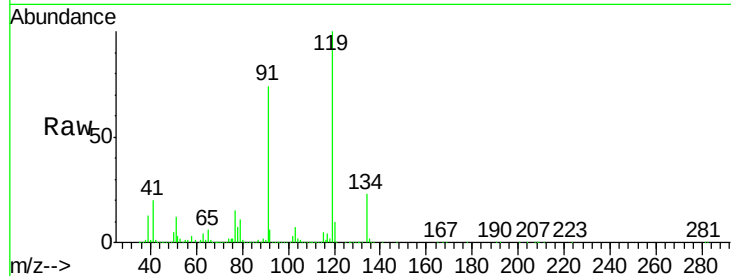
#83
 tert-Butylbenzene
 Concen: 48.125 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062368.D
 Acq: 6 Jul 2020 15:53

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN070620

Tot Ion:119 Resp: 2277177
 Ion Ratio Lower Upper
 119 100
 91 71.3 36.4 109.1
 134 22.9 11.7 35.0

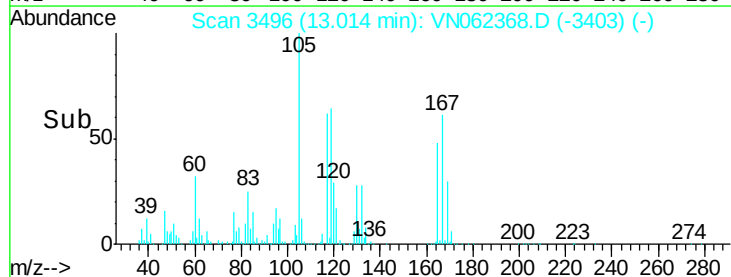
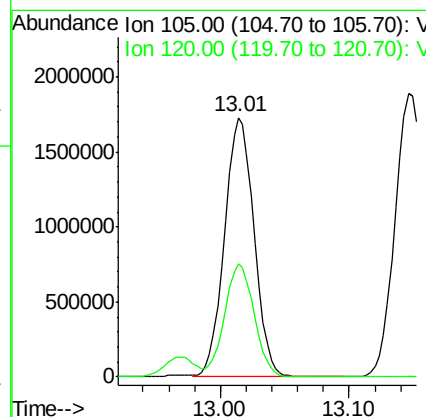
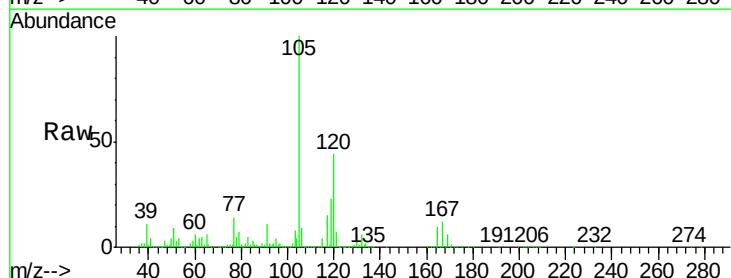
Manual Integrations
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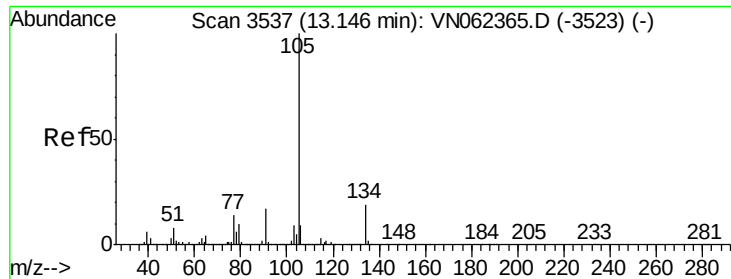
MMDadoda
 7/7/2020 10:08:50 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 49.447 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062368.D
 Acq: 6 Jul 2020 15:53

Tgt Ion:105 Resp: 2729297
 Ion Ratio Lower Upper
 105 100
 120 43.9 22.1 66.3





#85

sec-Butylbenzene

Concen: 50.329 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062368.D

Acq: 6 Jul 2020 15:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN070620

Tot Ion:105 Resp: 3050573

Ion Ratio Lower Upper

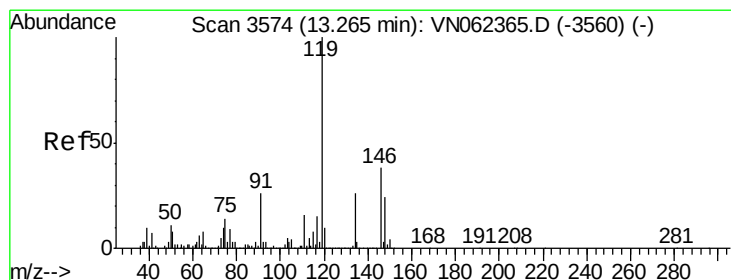
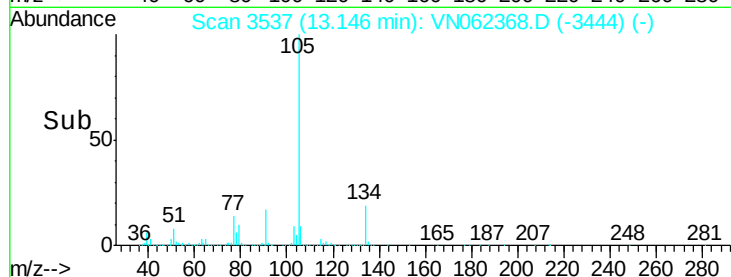
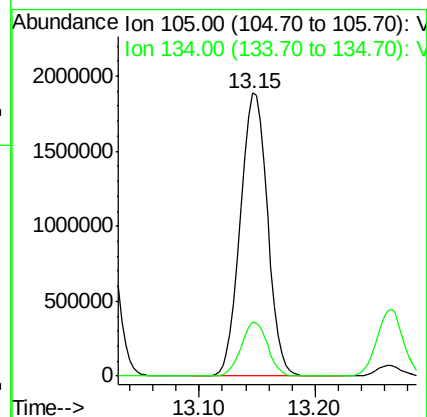
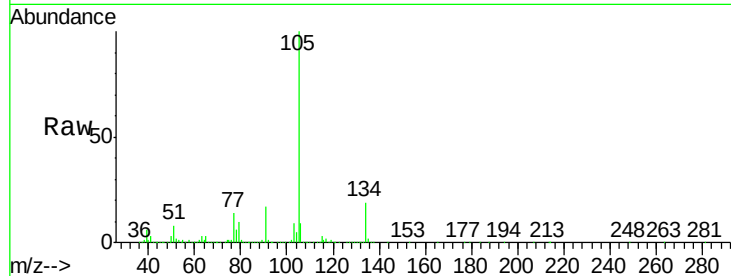
105 100

134 18.7 9.4 28.2

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 49.911 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062368.D

Acq: 6 Jul 2020 15:53

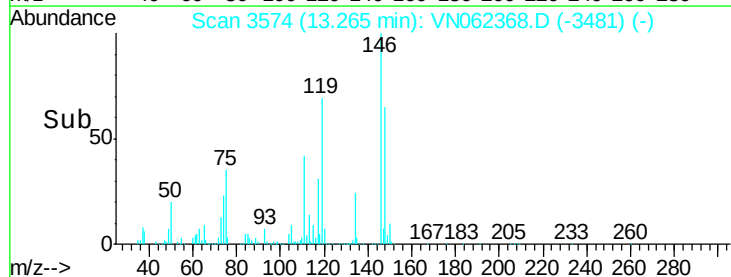
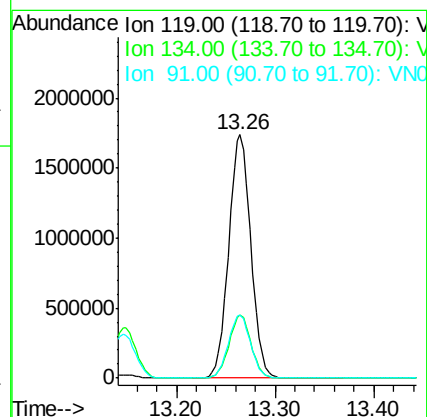
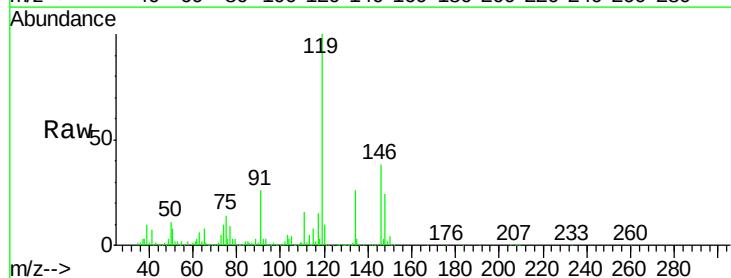
Tgt Ion:119 Resp: 2726492

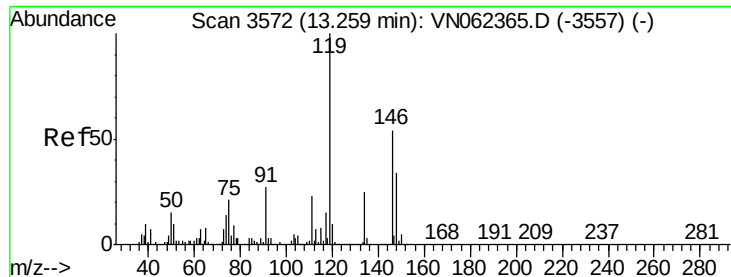
Ion Ratio Lower Upper

119 100

134 25.6 12.7 38.1

91 26.1 13.1 39.3





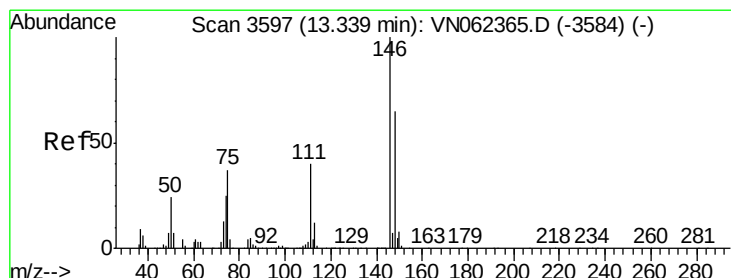
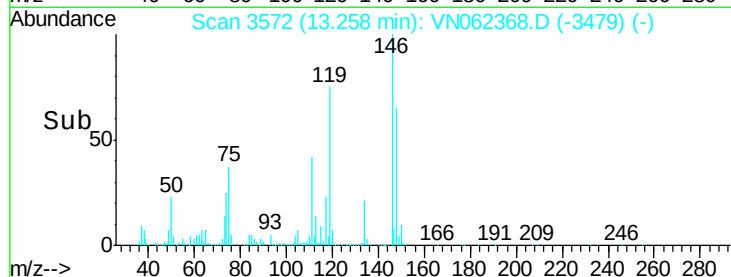
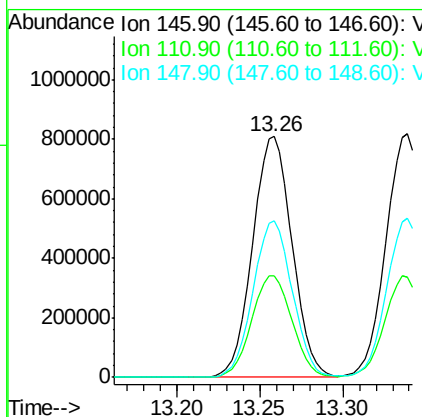
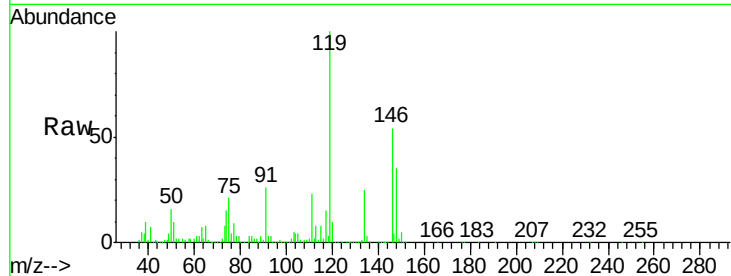
#87
 1,3-Dichlorobenzene
 Concen: 47.435 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062368.D
 Acq: 6 Jul 2020 15:53

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN070620

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.3	63.9
148	64.5	31.6	95.0

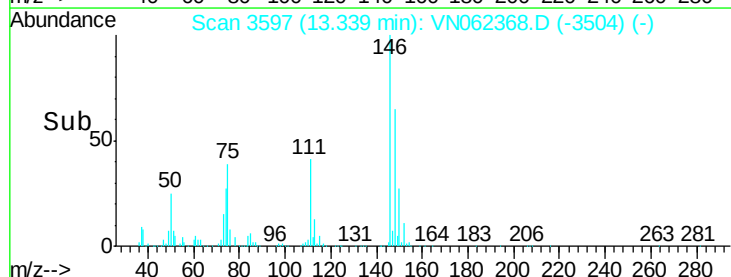
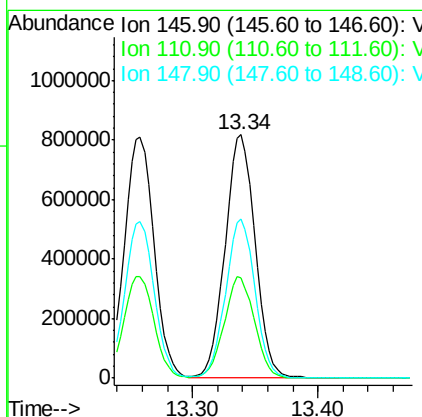
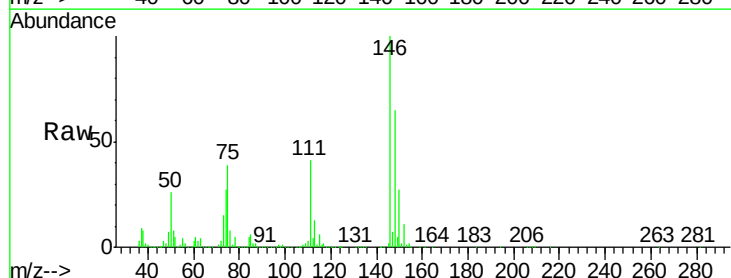
Manual Integrations
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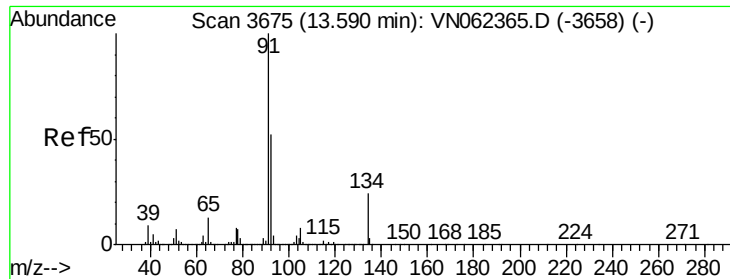
MMDadoda
 7/7/2020 10:08:50 AM



#88
 1,4-Dichlorobenzene
 Concen: 46.519 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062368.D
 Acq: 6 Jul 2020 15:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.6	61.8
148	63.9	31.8	95.4





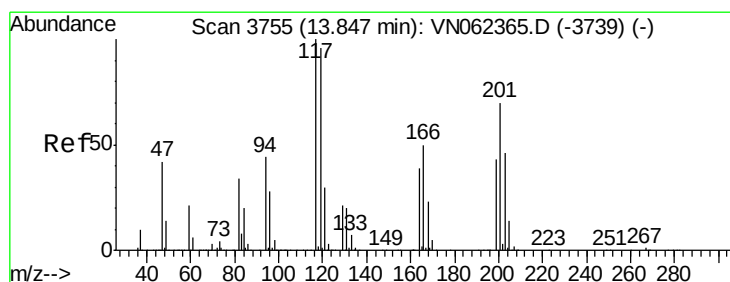
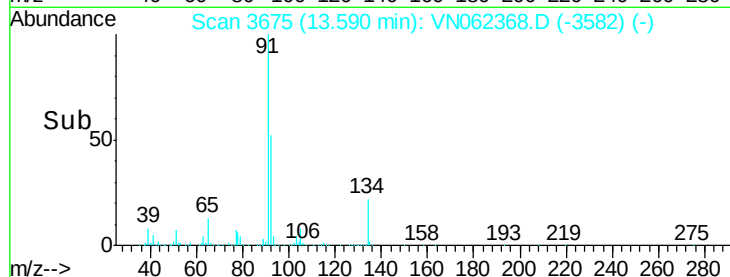
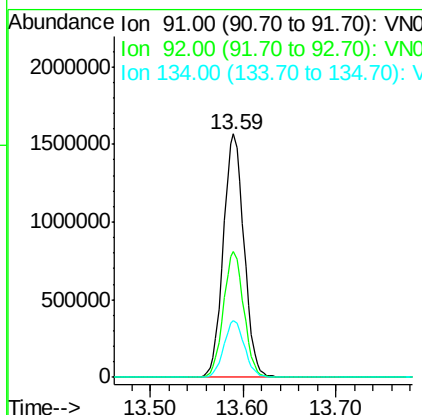
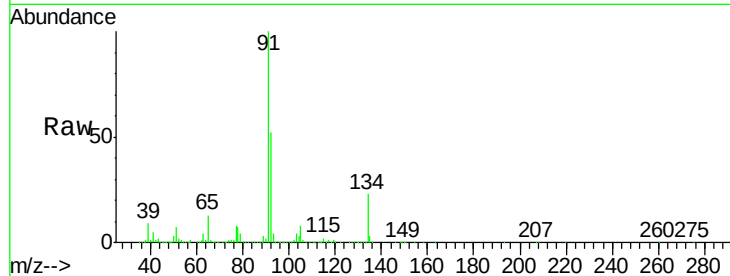
#89
n-Butylbenzene
Concen: 51.493 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062368.D
Acq: 6 Jul 2020 15:53

Instrument :
MSVOA_N
ClientSampleId :
ICVVN070620

Tot Ion: 91 Resp: 2428923
Ion Ratio Lower Upper
91 100
92 50.6 25.7 77.1
134 23.2 11.7 35.1

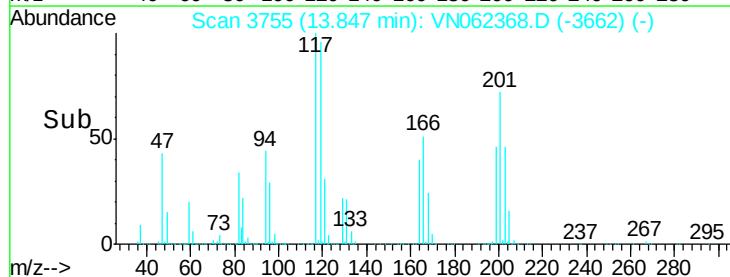
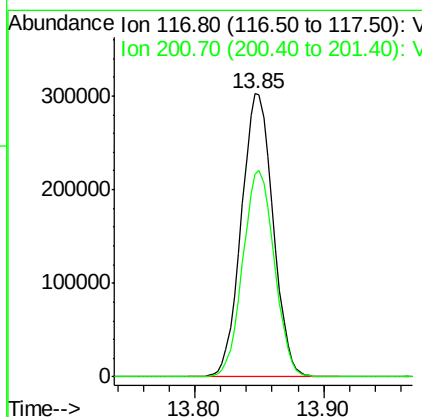
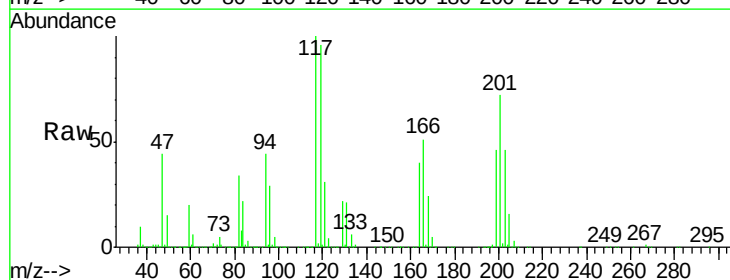
Manual Integrations
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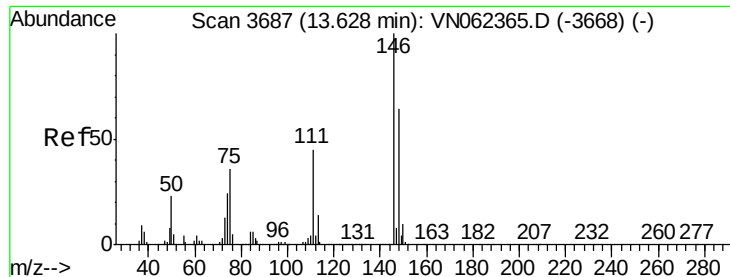
MMDadoda
7/7/2020 10:08:50 AM



#90
Hexachloroethane
Concen: 44.217 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN062368.D
Acq: 6 Jul 2020 15:53

Tgt Ion: 117 Resp: 516505
Ion Ratio Lower Upper
117 100
201 72.8 35.4 106.2





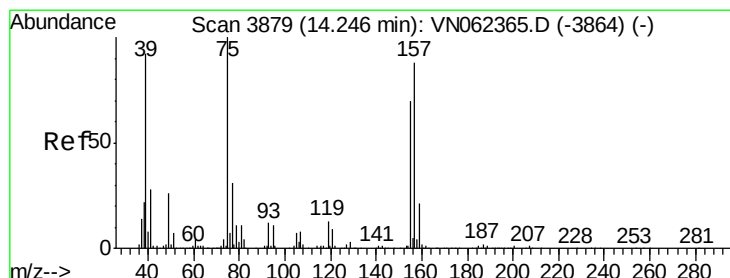
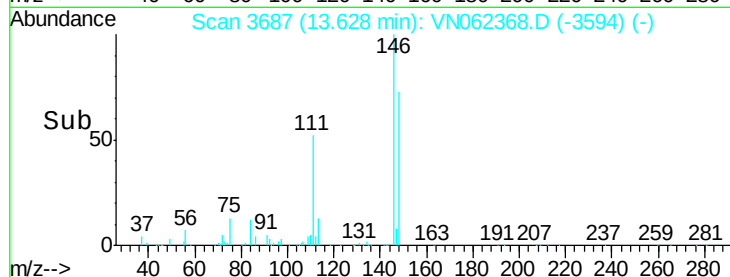
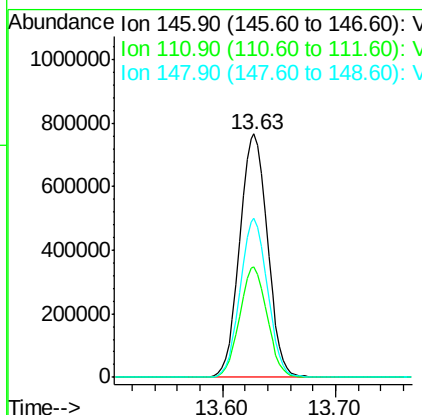
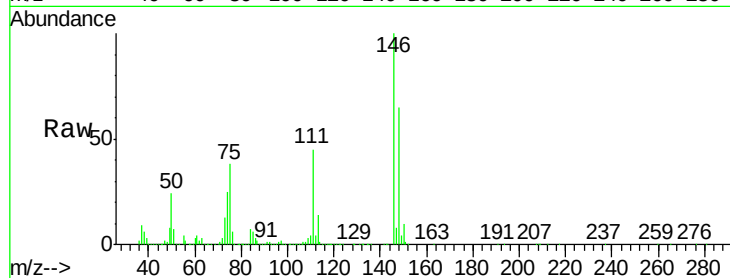
#91
 1,2-Dichlorobenzene
 Concen: 48.581 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062368.D
 Acq: 6 Jul 2020 15:53

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN070620

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.3	66.9
148	64.3	32.4	97.0

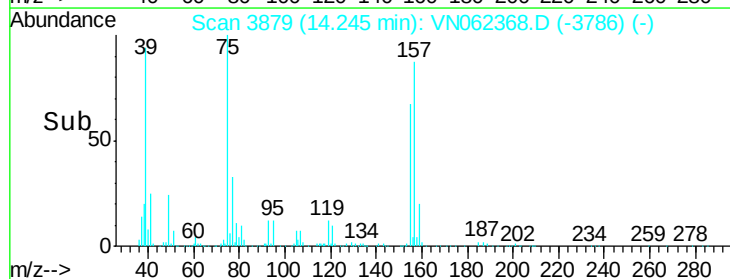
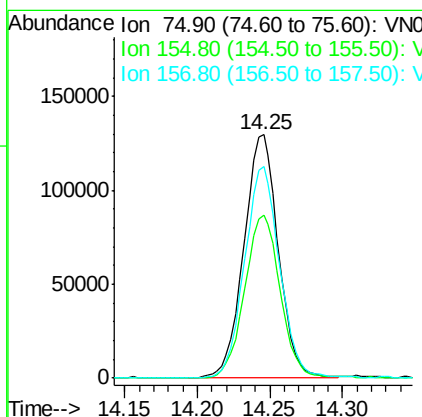
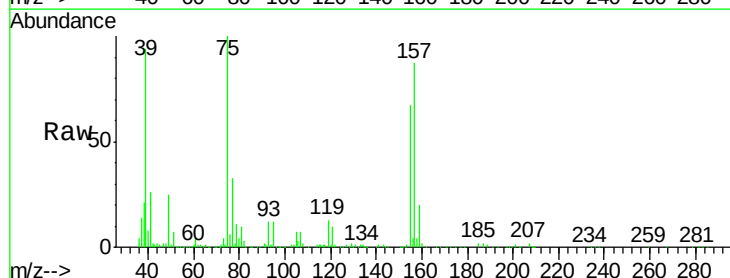
Manual Integrations
 APPROVED

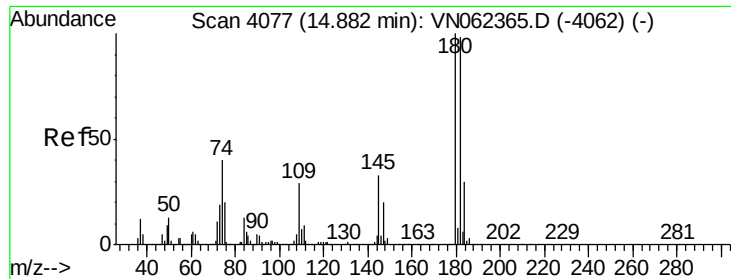
MMDadoda
 7/7/2020 10:08:50 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.248 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN062368.D
 Acq: 6 Jul 2020 15:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.0	34.1	102.2
157	88.3	43.3	129.8





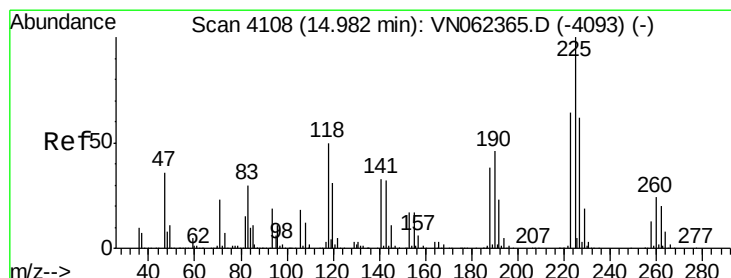
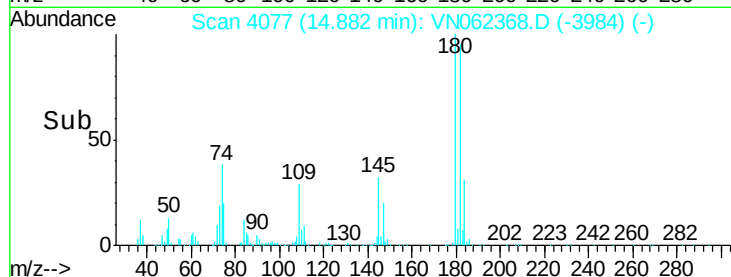
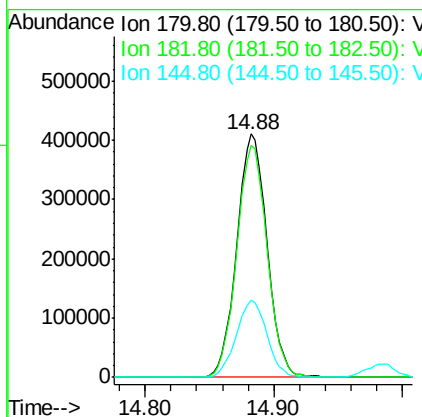
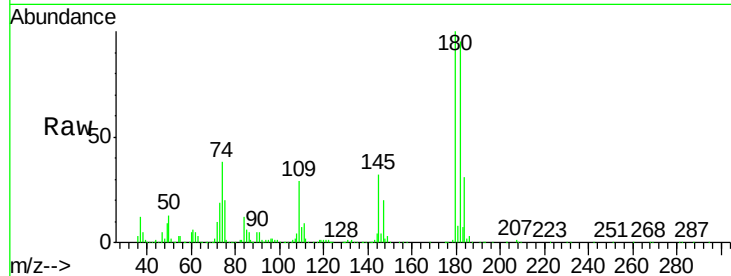
#93
 1,2,4-Trichlorobenzene
 Concen: 46.665 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062368.D
 Acq: 6 Jul 2020 15:53

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN070620

Tot Ion	Ratio	Resp	Lower	Upper
180	100	668150		
182	96.0		47.6	142.8
145	32.3		15.9	47.7

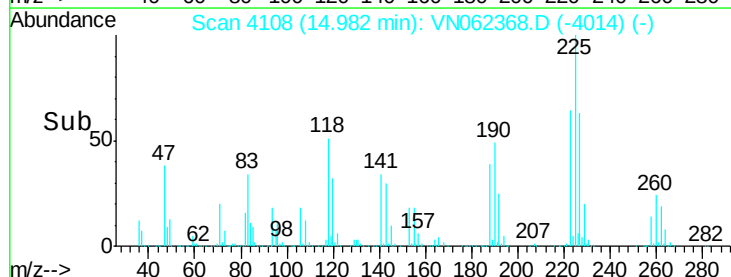
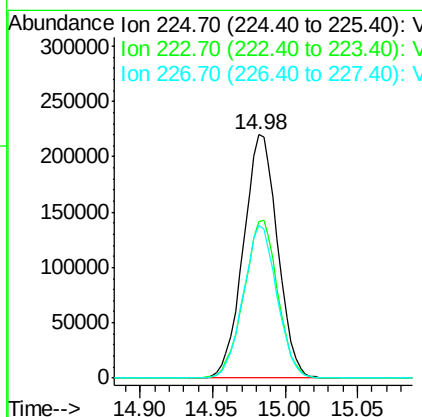
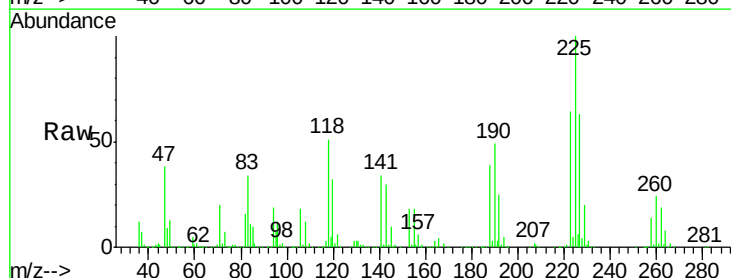
Manual Integrations
 APPROVED

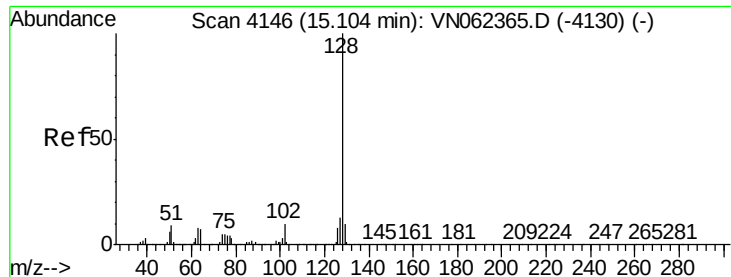
MMDadoda
 7/7/2020 10:08:50 AM



#94
 Hexachlorobutadiene
 Concen: 50.362 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN062368.D
 Acq: 6 Jul 2020 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	360261		
223	64.3		31.7	95.1
227	61.7		30.3	90.8





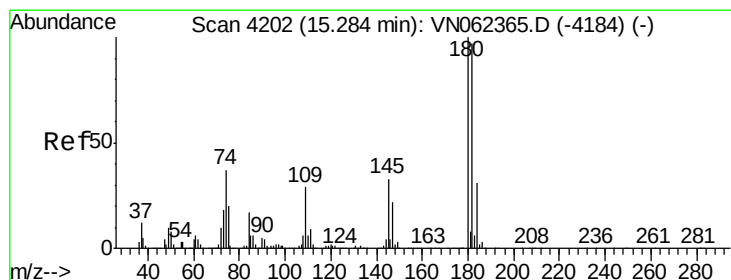
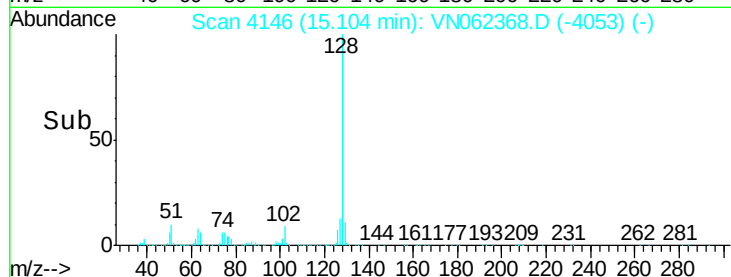
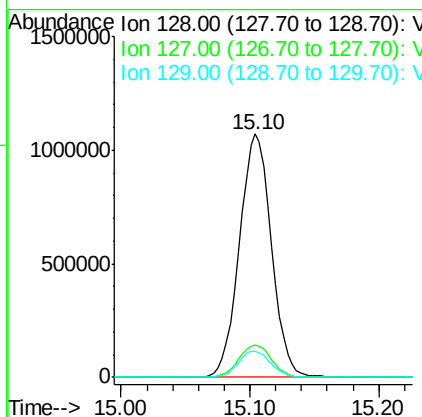
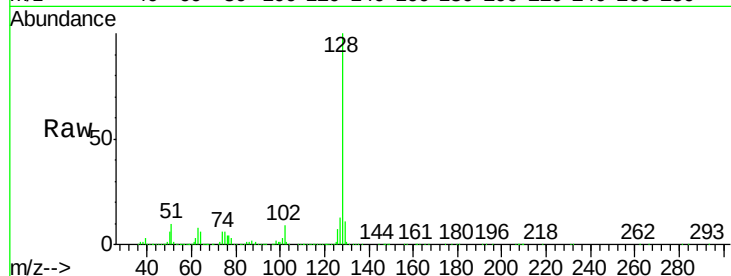
#95
Naphthalene
Concen: 48.366 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN062368.D
Acq: 6 Jul 2020 15:53

Instrument :
MSVOA_N
ClientSampled :
ICVVN070620

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.8	16.2
129	11.0	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
7/7/2020 10:08:50 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.804 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN062368.D
Acq: 6 Jul 2020 15:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.3	47.9	143.7
145	33.4	16.4	49.2

