

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081220\
 Data File : VN062855.D
 Acq On : 12 Aug 2020 14:06
 Operator : JC/MD
 Sample : VN0812WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/13/2020 10:57:09 AM

Quant Time: Aug 13 05:54:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	145846	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	226039	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	217199	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	105542	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	114325	47.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.80%	
35) Dibromofluoromethane	7.55	113	76742	49.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.26%	
50) Toluene-d8	10.06	98	284695	47.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.32%	
62) 4-Bromofluorobenzene	12.38	95	106154	46.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.06%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	36554	17.503	ug/l	98
3) Chloromethane	2.03	50	30923	15.691	ug/l	97
4) Vinyl Chloride	2.16	62	31031	16.787	ug/l	96
5) Bromomethane	2.51	94	26603m	21.741	ug/l	
6) Chloroethane	2.66	64	25073	20.618	ug/l	95
7) Trichlorofluoromethane	2.98	101	61859	18.767	ug/l	100
8) Diethyl Ether	3.37	74	16203	17.172	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.71	101	24571	17.919	ug/l	96
10) Methyl Iodide	3.91	142	28260	17.689	ug/l	99
11) Tert butyl alcohol	4.74	59	34467	87.193	ug/l #	88
12) 1,1-Dichloroethene	3.69	96	21818	16.789	ug/l	93
13) Acrolein	3.57	56	14578	60.910	ug/l	99
14) Allyl chloride	4.27	41	38523	15.087	ug/l	99
15) Acrylonitrile	4.93	53	79380	86.580	ug/l	99
16) Acetone	3.78	43	71624	82.186	ug/l	100
17) Carbon Disulfide	4.00	76	56824	15.473	ug/l	100
18) Methyl Acetate	4.28	43	38524	17.966	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	101850	18.025	ug/l	97
20) Methylene Chloride	4.50	84	29994	18.325	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	23620	16.184	ug/l	96
22) Diisopropyl ether	5.90	45	94014	17.295	ug/l	92
23) Vinyl Acetate	5.84	43	325451	78.715	ug/l	96
24) 1,1-Dichloroethane	5.80	63	54673	17.163	ug/l	98
25) 2-Butanone	6.79	43	103942	84.212	ug/l	97
26) 2,2-Dichloropropane	6.78	77	46162	15.721	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	30255	17.281	ug/l	92
28) Bromochloromethane	7.15	49	26443	17.200	ug/l	94
29) Tetrahydrofuran	7.17	42	68102	84.928	ug/l	96
30) Chloroform	7.33	83	58822	17.375	ug/l	97
31) Cyclohexane	7.62	56	45981	15.725	ug/l	90
32) 1,1,1-Trichloroethane	7.53	97	51874	17.138	ug/l	97
36) 1,1-Dichloropropene	7.75	75	37480	17.029	ug/l	98
37) Ethyl Acetate	6.88	43	39548	17.201	ug/l #	93
38) Carbon Tetrachloride	7.74	117	44378	17.048	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	44196	16.686	ug/l	98
40) Benzene	8.00	78	113934	17.348	ug/l	99
41) Methacrylonitrile	7.12	41	15760	15.191	ug/l #	6
42) 1,2-Dichloroethane	8.08	62	50934	18.221	ug/l	100
43) Isopropyl Acetate	8.13	43	65350	17.041	ug/l	97
44) Trichloroethene	8.80	130	28386	17.740	ug/l	95
45) 1,2-Dichloropropane	9.08	63	31816	17.899	ug/l	92
46) Dibromomethane	9.18	93	21937	18.835	ug/l	99
47) Bromodichloromethane	9.37	83	48147	18.406	ug/l	98
48) Methyl methacrylate	9.17	41	31143	16.511	ug/l	94
49) 1,4-Dioxane	9.17	88	12997	371.865	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	221106	89.112	ug/l	99
52) Toluene	10.13	92	71157	17.548	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	50668	17.609	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	53227	18.425	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	32207	18.596	ug/l	95
56) Ethyl methacrylate	10.40	69	46214	17.728	ug/l	97
57) 1,3-Dichloropropane	10.68	76	52571	17.865	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.67	63	56766	77.038	ug/l	98
59) 2-Hexanone	10.72	43	160958	86.965	ug/l	97
60) Dibromochloromethane	10.88	129	37888	19.170	ug/l	98
61) 1,2-Dibromoethane	10.98	107	32411	18.965	ug/l	96
64) Tetrachloroethene	10.60	164	24691	17.619	ug/l	94
65) Chlorobenzene	11.41	112	79149	17.433	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	33565	18.409	ug/l	97
67) Ethyl Benzene	11.48	91	139292	17.144	ug/l	100
68) m/p-Xylenes	11.60	106	105337	35.716	ug/l	96
69) o-Xylene	11.92	106	50350	18.217	ug/l	97
70) Styrene	11.94	104	87181	17.945	ug/l	98
71) Bromoform	12.10	173	26840	17.992	ug/l #	98
73) Isopropylbenzene	12.23	105	137040	17.244	ug/l	98
74) N-amyl acetate	12.05	43	54945	17.060	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	49190	17.583	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	49866m	17.519	ug/l	
77) Bromobenzene	12.50	156	34868	17.658	ug/l	94
78) n-propylbenzene	12.57	91	158437	16.983	ug/l	98
79) 2-Chlorotoluene	12.65	91	102805	17.573	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	124005	17.986	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	15452	16.572	ug/l	97
82) 4-Chlorotoluene	12.75	91	104693	17.366	ug/l	98
83) tert-Butylbenzene	12.97	119	101225	17.351	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	118542	17.972	ug/l	97
85) sec-Butylbenzene	13.15	105	134199	17.517	ug/l	99
86) p-Isopropyltoluene	13.26	119	119686	17.600	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	60070	17.028	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	61550	17.396	ug/l	98
89) n-Butylbenzene	13.59	91	92878	16.149	ug/l	99
90) Hexachloroethane	13.85	117	24608	16.788	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	60520	18.299	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	10250	17.066	ug/l	97

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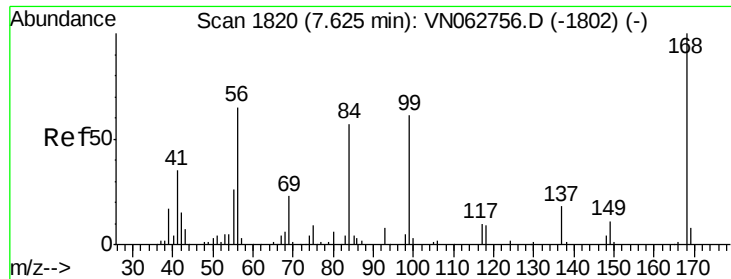
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	24342	16.116	ug/l	98
94) Hexachlorobutadiene	14.98	225	19866	18.097	ug/l	99
95) Naphthalene	15.11	128	63996	15.920	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	25631	16.579	ug/l	96

(#) = 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: VN062855.D

Acq: 12 Aug 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD01

Tot Ion:168 Resp: 145846

Ion Ratio Lower Upper

168 100

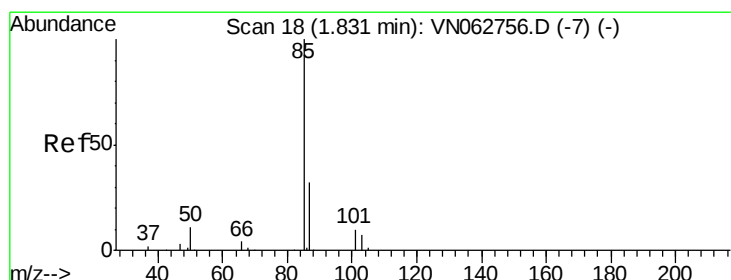
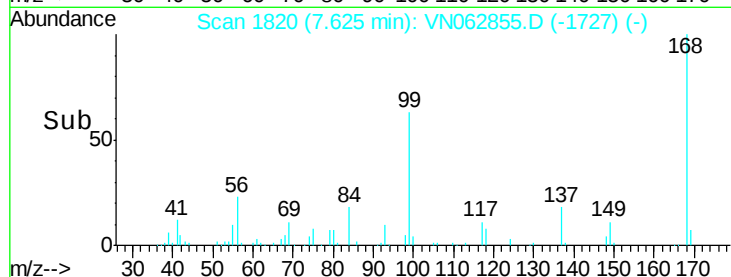
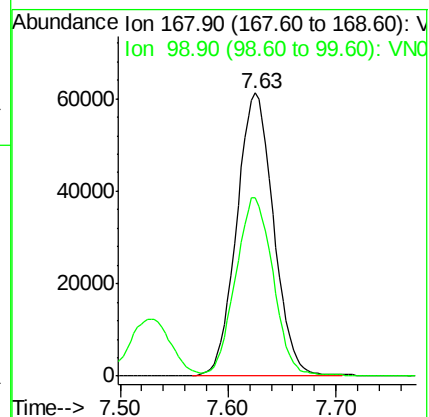
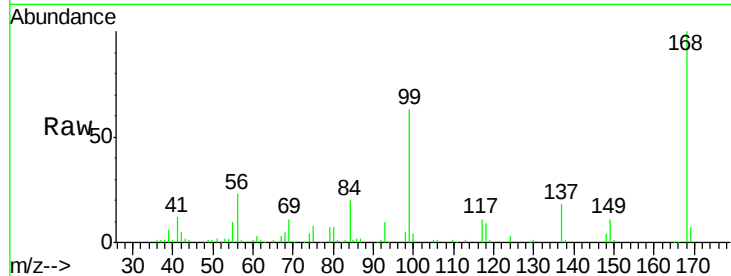
99 62.6 52.9 79.3

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#2

Dichlorodifluoromethane

Concen: 17.503 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062855.D

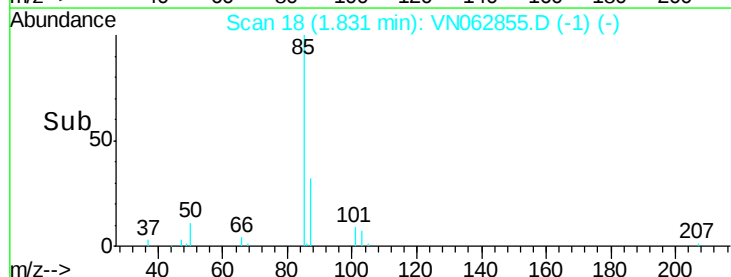
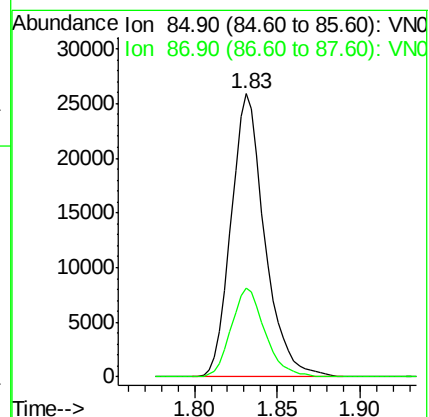
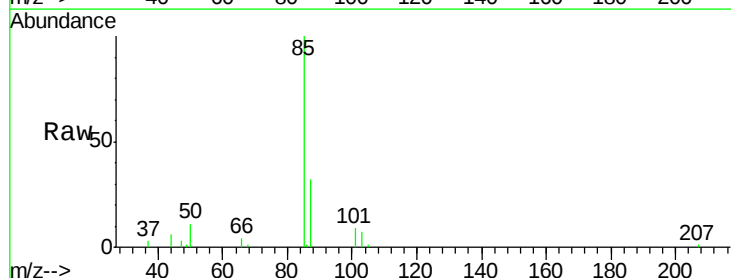
Acq: 12 Aug 2020 14:06

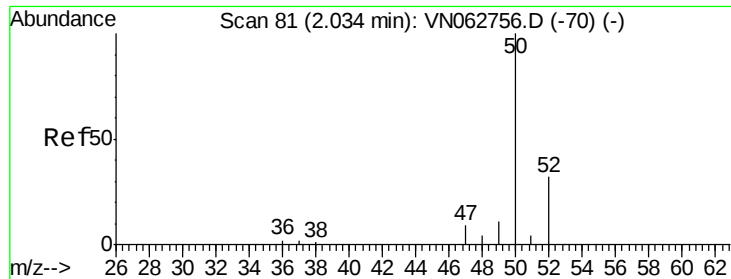
Tgt Ion: 85 Resp: 36554

Ion Ratio Lower Upper

85 100

87 31.5 16.2 48.6





#3

Chloromethane

Concen: 15.691 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD01

Tot Ion: 50 Resp: 30923

Ion Ratio Lower Upper

50 100

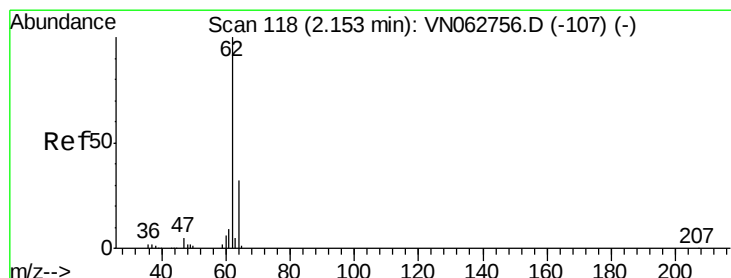
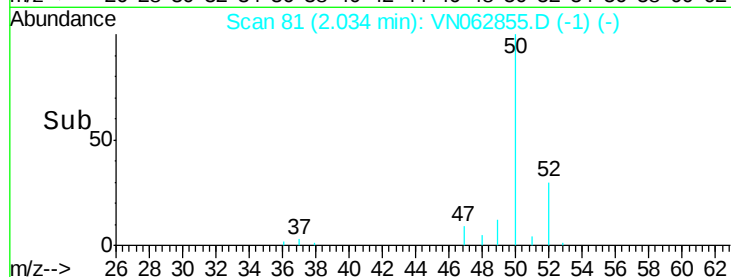
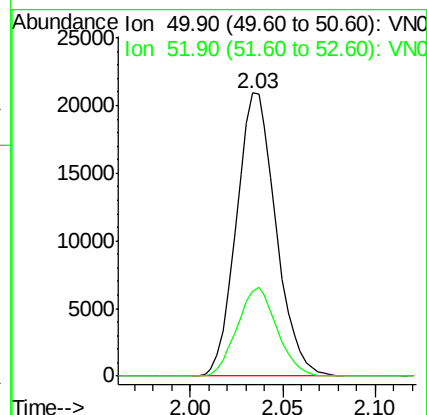
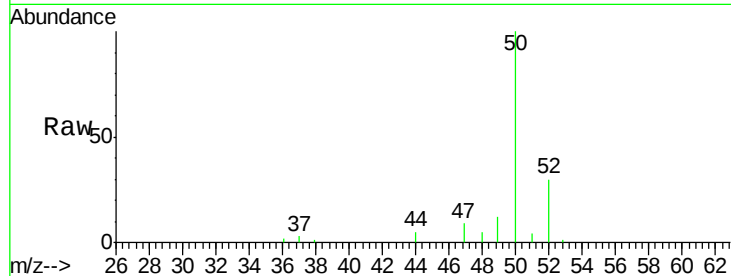
52 30.2 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.787 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN062855.D

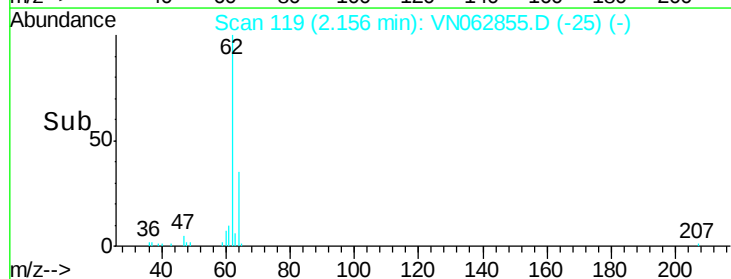
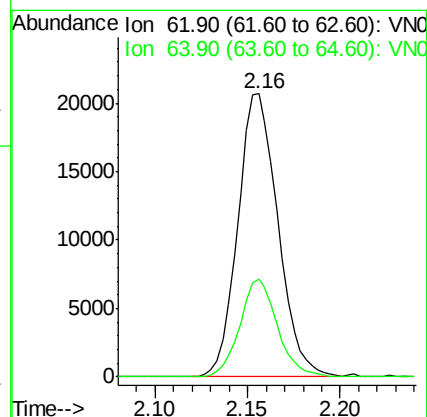
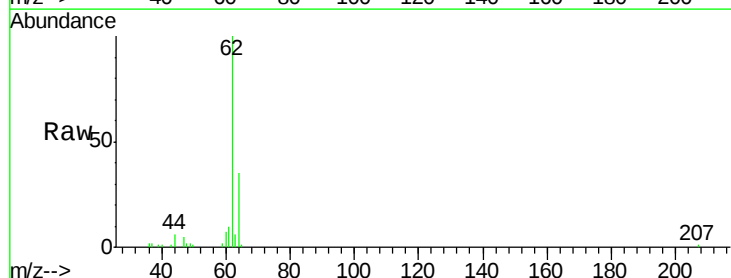
Acq: 12 Aug 2020 14:06

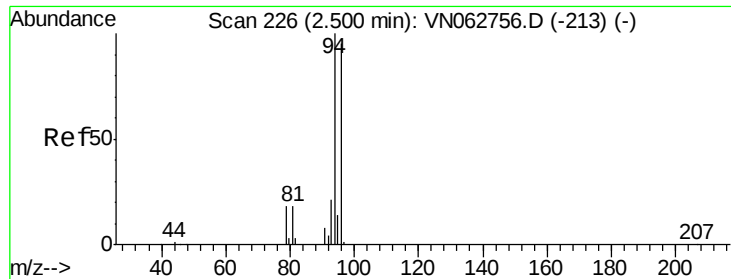
Tgt Ion: 62 Resp: 31031

Ion Ratio Lower Upper

62 100

64 34.5 25.8 38.8





#5

Bromomethane

Concen: 21.741 ug/l m

RT: 2.51 min Scan# 230

Delta R.T. 0.01 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Instrument :

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ClientSampleId :

VN0812WBSD01

Tot Ion: 94 Resp: 26603

Ion Ratio Lower Upper

94 100

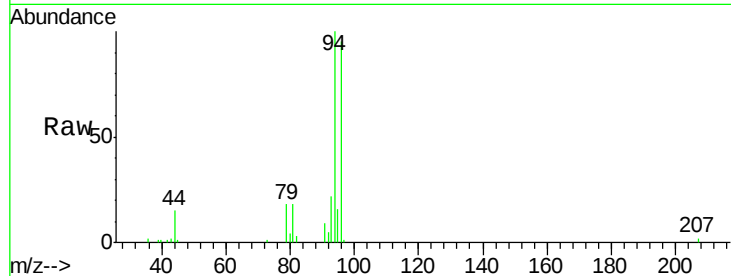
96 95.0 76.2 114.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

15000

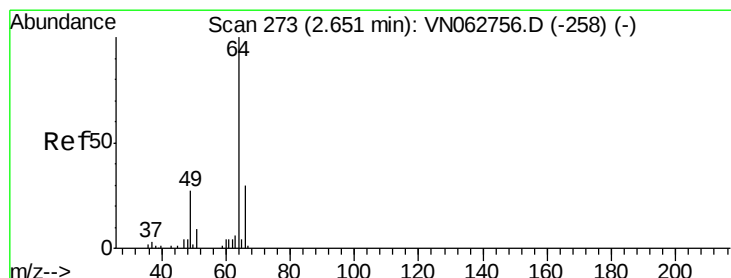
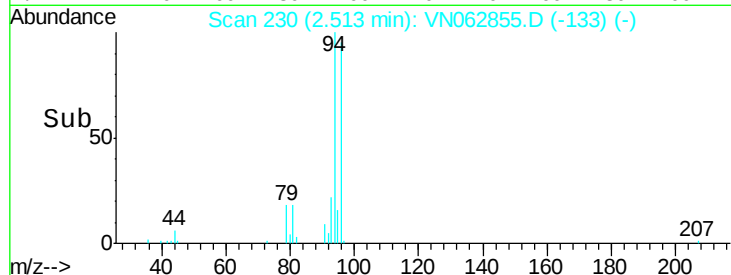
10000

5000

0

Time--> 2.40 2.45 2.50 2.55 2.60

2.51



#6

Chloroethane

Concen: 20.618 ug/l

RT: 2.66 min Scan# 275

Delta R.T. 0.01 min

Lab File: VN062855.D

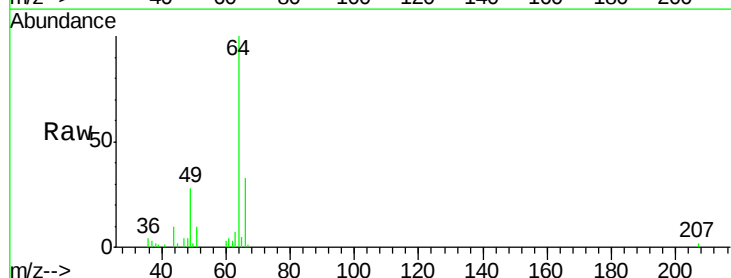
Acq: 12 Aug 2020 14:06

Tgt Ion: 64 Resp: 25073

Ion Ratio Lower Upper

64 100

66 32.5 24.0 36.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

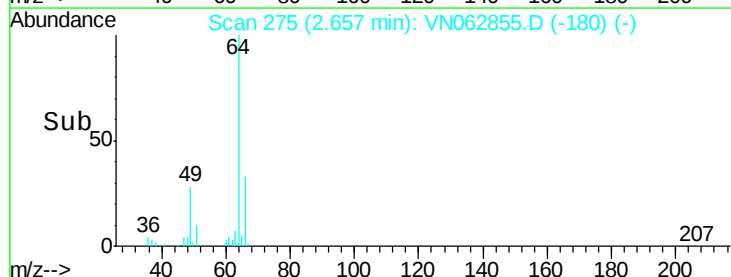
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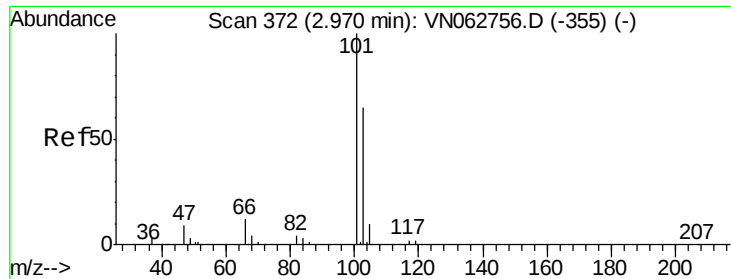
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0

Time--> 2.55 2.60 2.65 2.70 2.75

2.66





#7

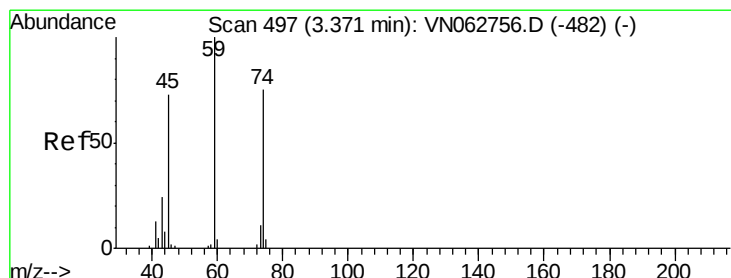
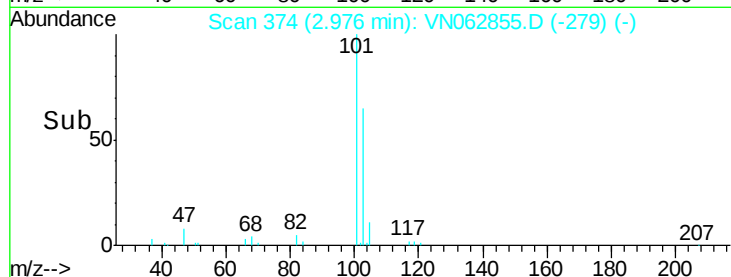
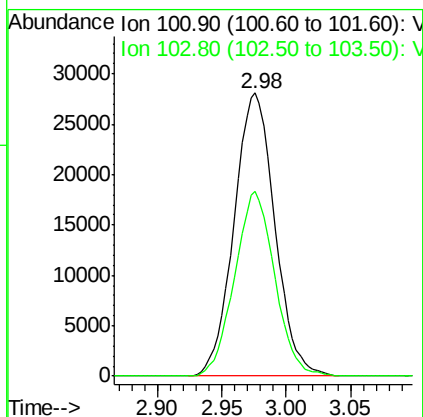
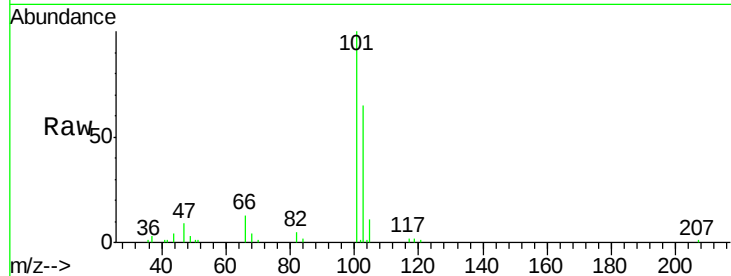
Trichlorofluoromethane
Concen: 18.767 ug/l
RT: 2.98 min Scan# 374
Delta R.T. 0.01 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.3	78.5

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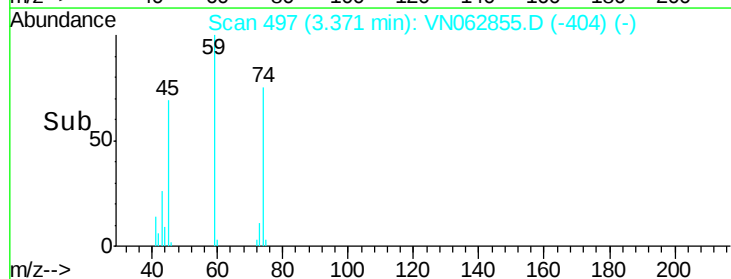
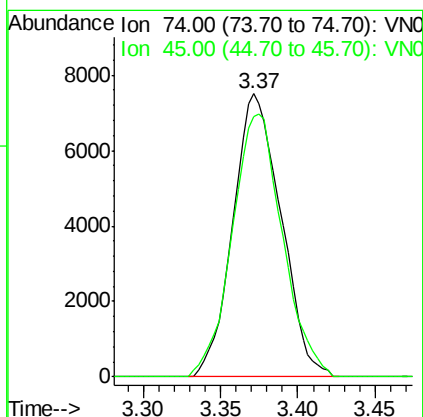
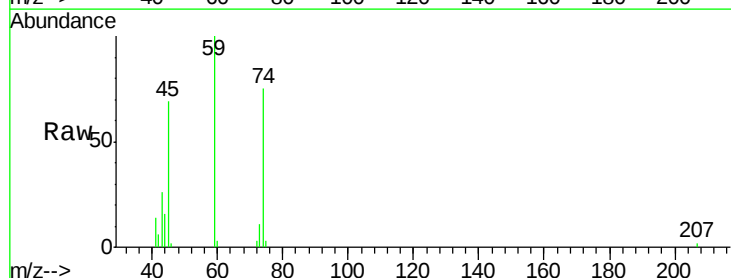
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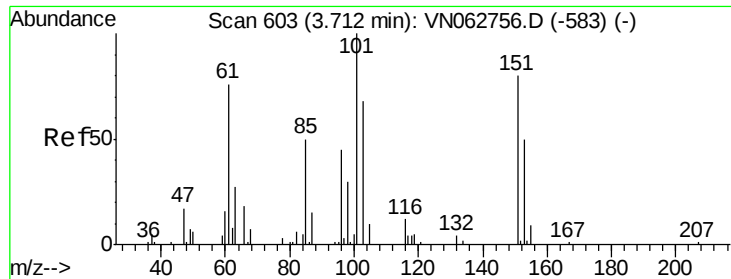


#8

Diethyl Ether
Concen: 17.172 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.3	48.7	146.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.919 ug/l

RT: 3.71 min Scan# 603

Delta R.T. 0.00 min

Lab File: VN062855.D

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Instrument :

MSVOA_N

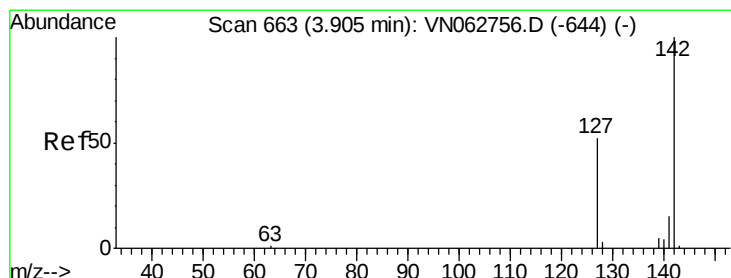
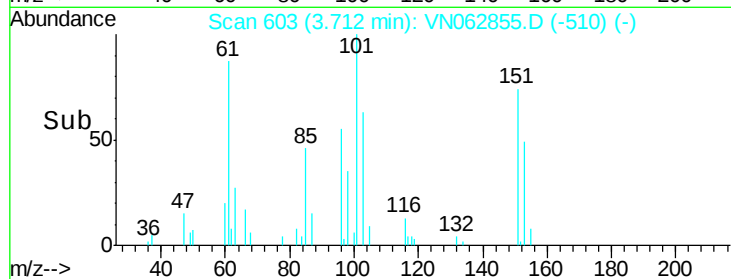
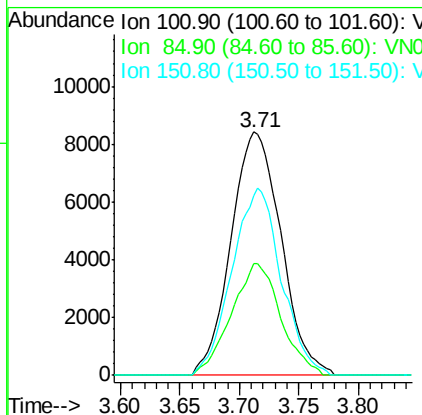
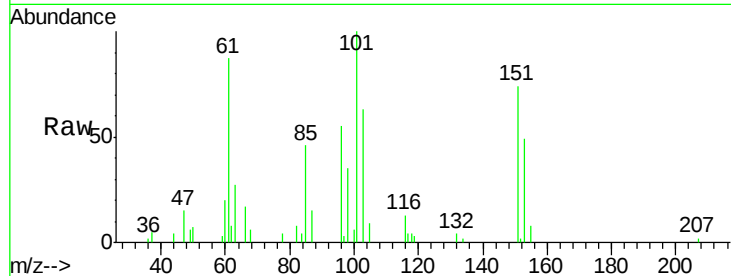
ClientSampleId :

VN0812WBSD01

Tot Ion:	101	Resp:	24571
Ion Ratio	Lower	Upper	
101	100		
85	45.3	38.5	57.7
151	75.8	63.0	94.6

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#10

Methyl Iodide

Concen: 17.689 ug/l

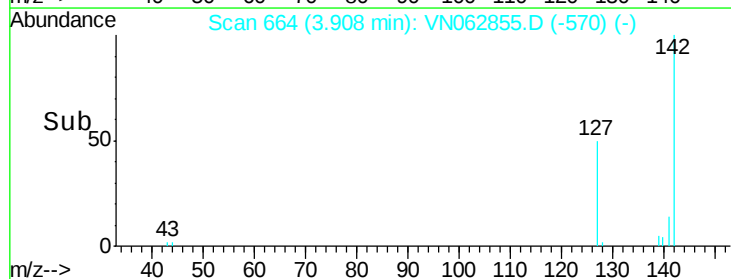
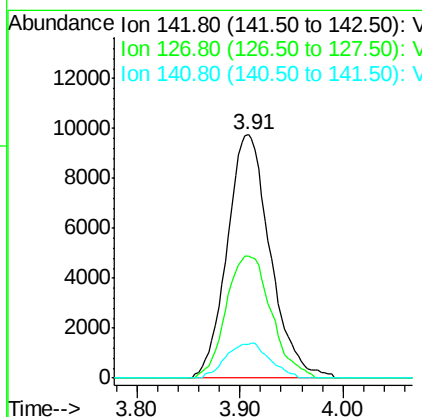
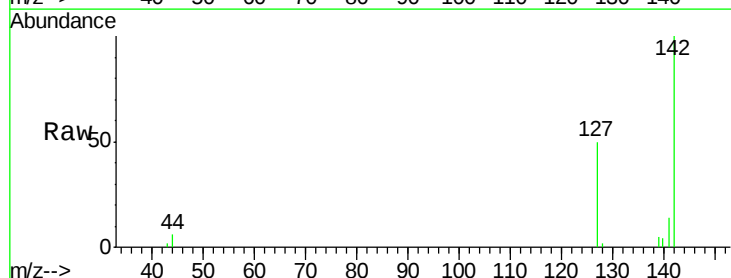
RT: 3.91 min Scan# 664

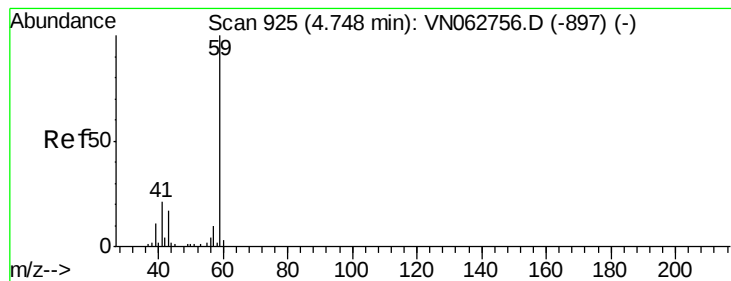
Delta R.T. 0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Tgt Ion:	142	Resp:	28260
Ion Ratio	Lower	Upper	
142	100		
127	52.5	41.4	62.0
141	14.6	12.2	18.4





#11

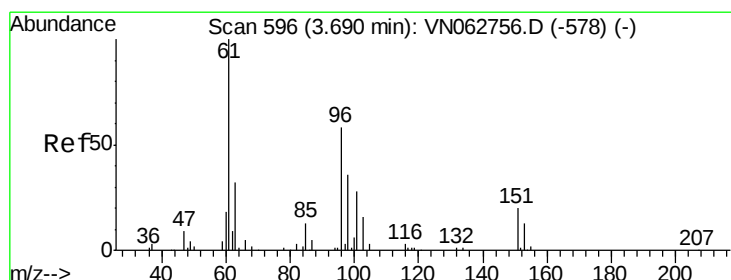
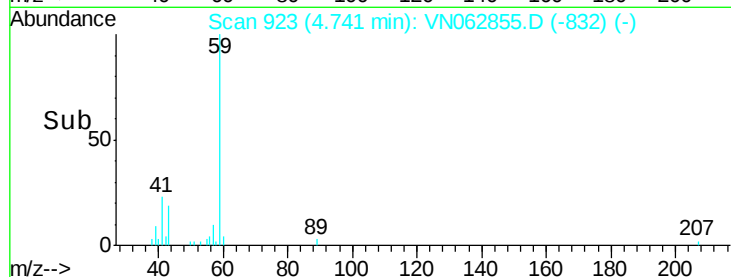
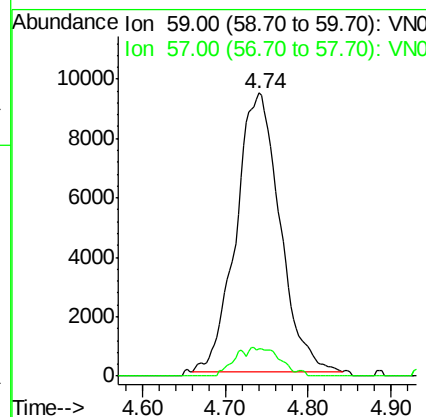
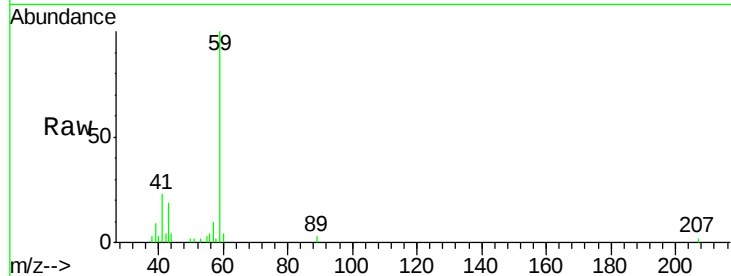
Tert butyl alcohol
Concen: 87.193 ug/l
RT: 4.74 min Scan# 923
Delta R.T. -0.01 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.9	8.3	12.5#

Manual Integrations
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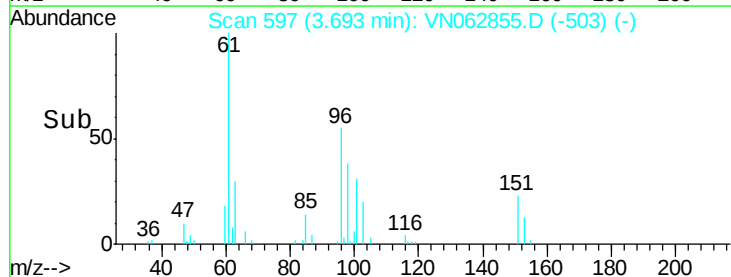
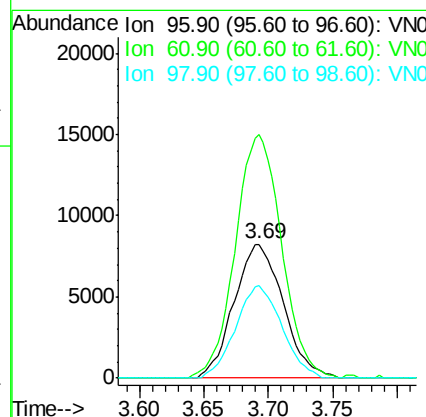
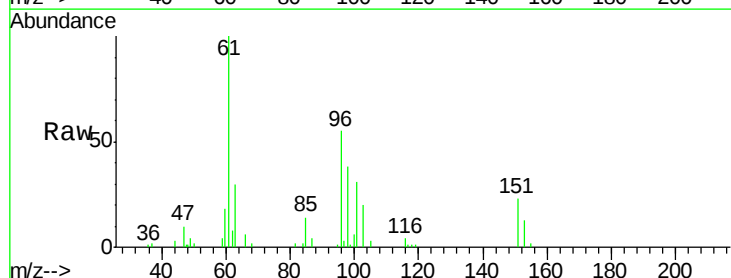
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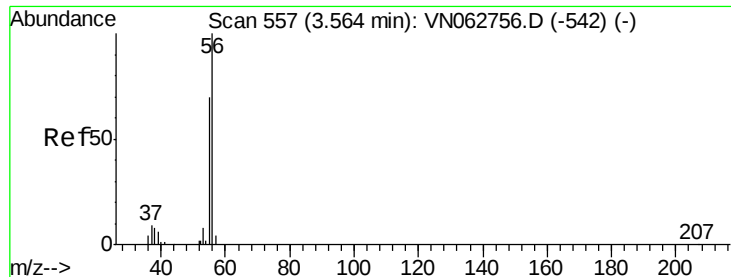


#12

1,1-Dichloroethene
Concen: 16.789 ug/l
RT: 3.69 min Scan# 597
Delta R.T. 0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	182.3	139.0	208.6
98	69.3	50.2	75.4





#13

Acrolein

Concen: 60.910 ug/l

RT: 3.57 min Scan# 559

Delta R.T. 0.01 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD01

Tot Ion: 56 Resp: 14578

Ion Ratio Lower Upper

56 100

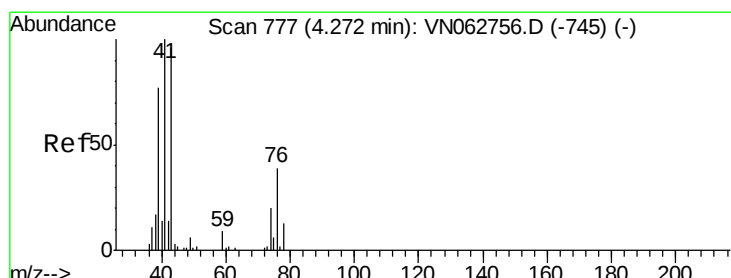
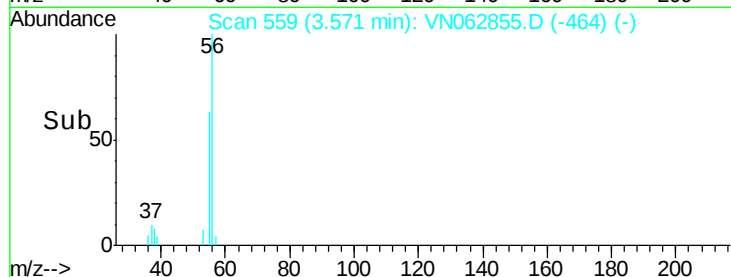
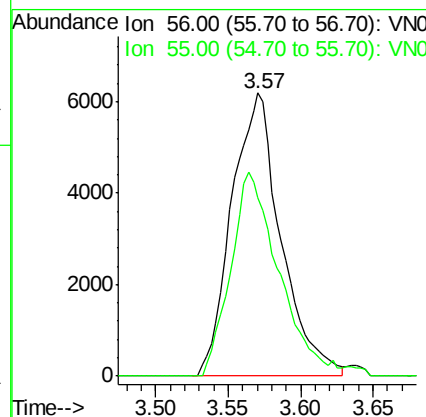
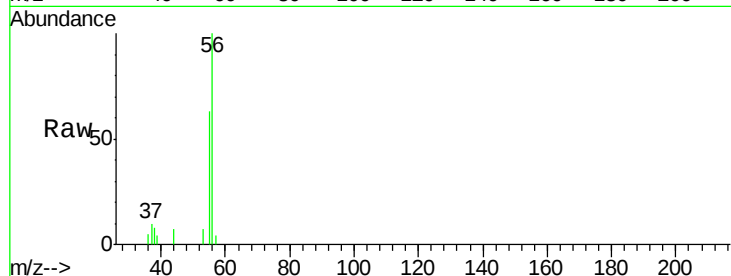
55 70.5 57.0 85.6

Manual Integrations

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#14

Allyl chloride

Concen: 15.087 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

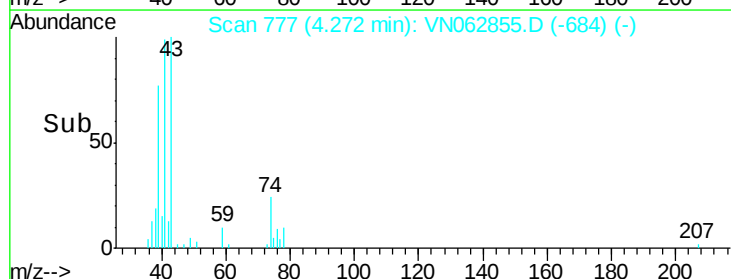
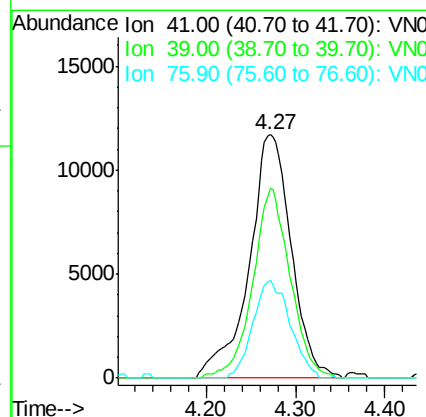
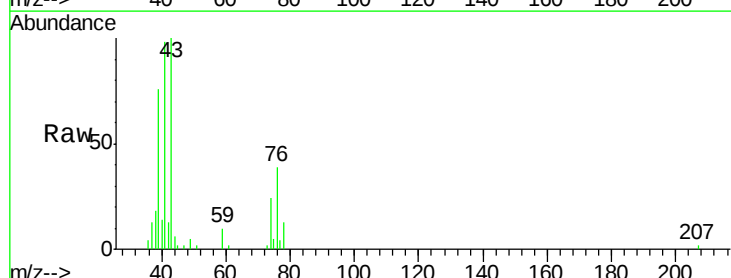
Tgt Ion: 41 Resp: 38523

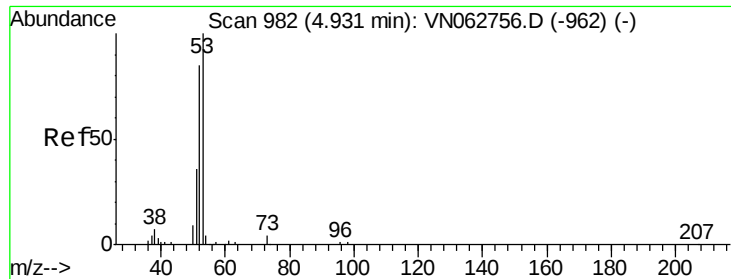
Ion Ratio Lower Upper

41 100

39 69.1 55.7 83.5

76 35.3 27.5 41.3





#15

Acrylonitrile

Concen: 86.580 ug/l

RT: 4.93 min Scan# 982

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Instrument :

MSVOA_N

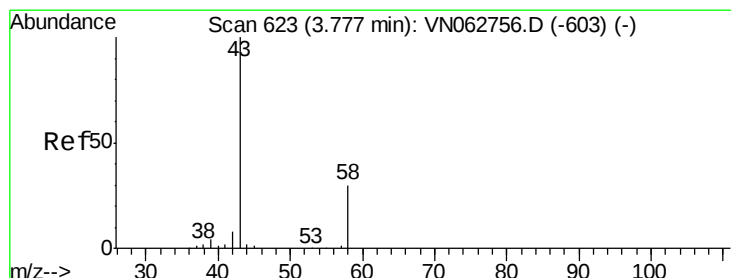
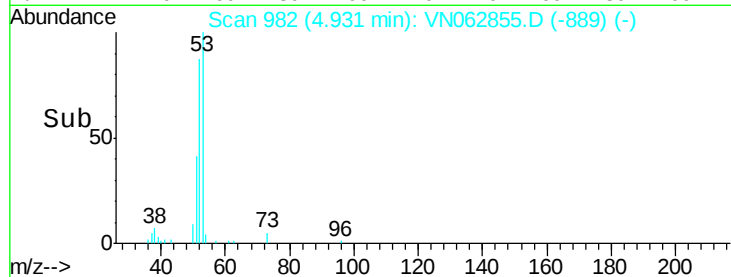
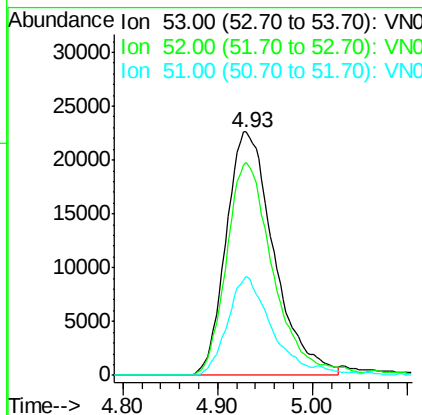
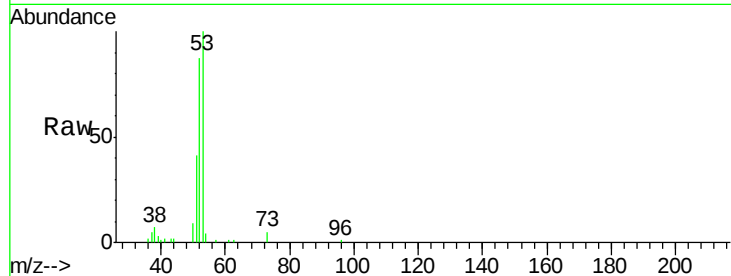
ClientSampleId :

VN0812WBSD01

Tot Ion:	53	Resp:	79380
Ion	Ratio	Lower	Upper
53	100		
52	84.1	66.8	100.2
51	36.4	29.5	44.3

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#16

Acetone

Concen: 82.186 ug/l

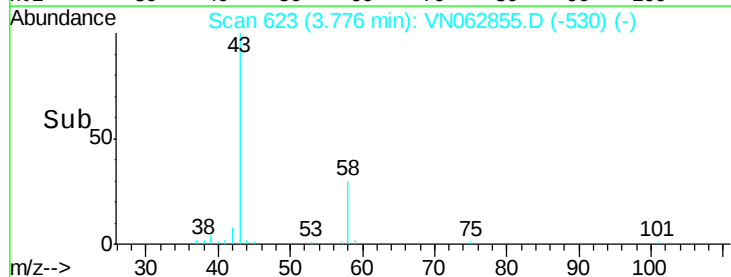
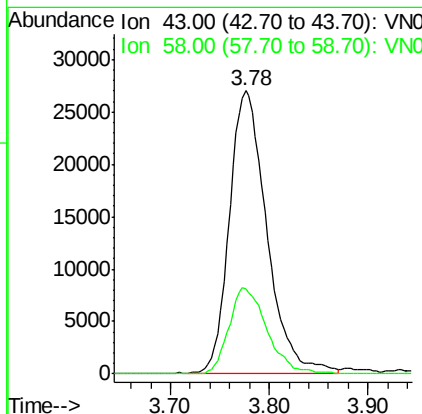
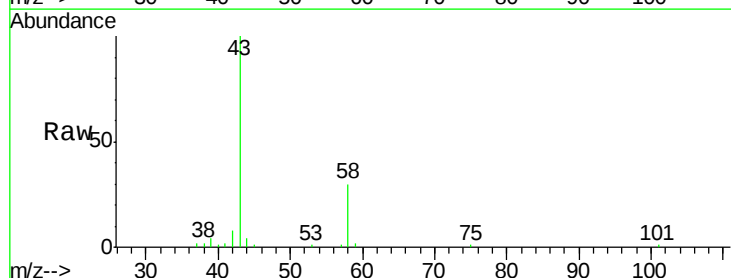
RT: 3.78 min Scan# 623

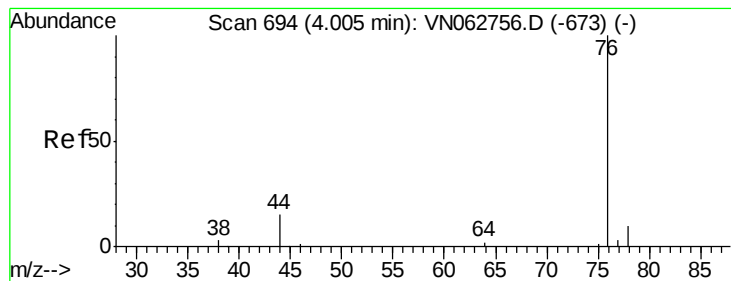
Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Tgt Ion:	43	Resp:	71624
Ion	Ratio	Lower	Upper
43	100		
58	30.2	24.1	36.1





#17

Carbon Disulfide

Concen: 15.473 ug/l

RT: 4.00 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD01

Tot Ion: 76 Resp: 56824

Ion Ratio Lower Upper

76 100

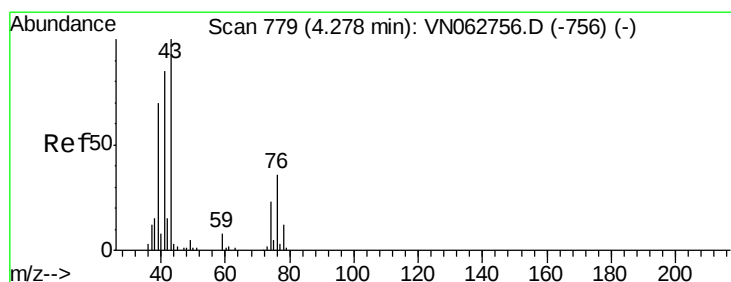
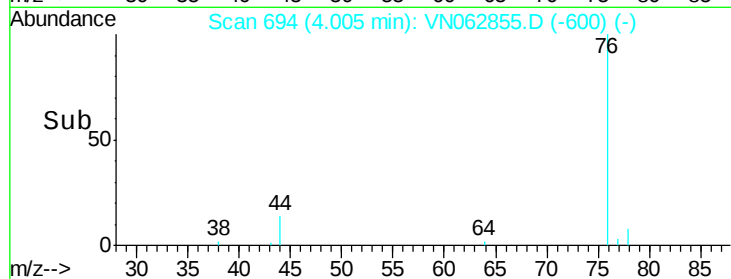
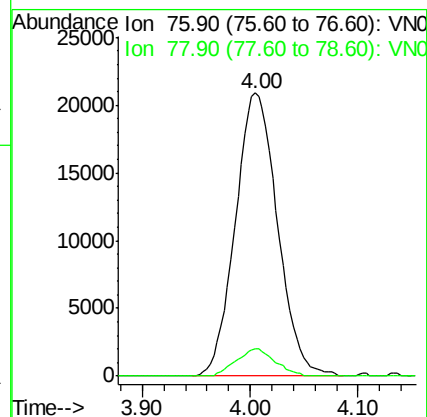
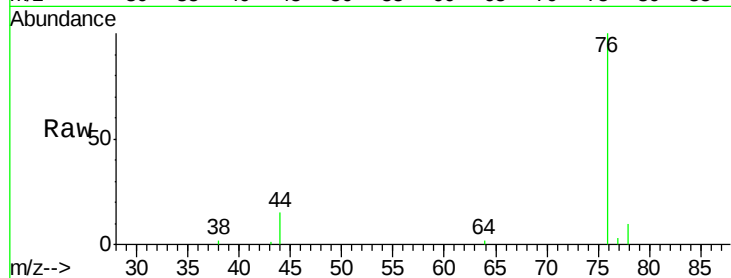
78 9.6 7.7 11.5

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#18

Methyl Acetate

Concen: 17.966 ug/l

RT: 4.28 min Scan# 780

Delta R.T. 0.00 min

Lab File: VN062855.D

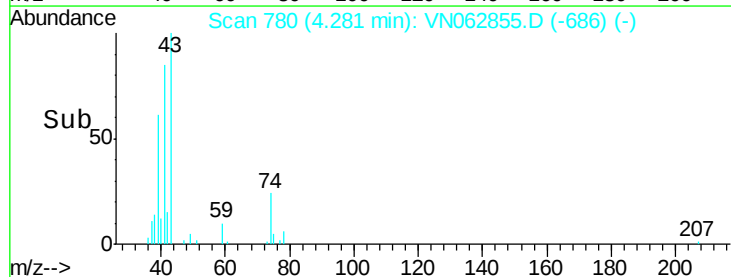
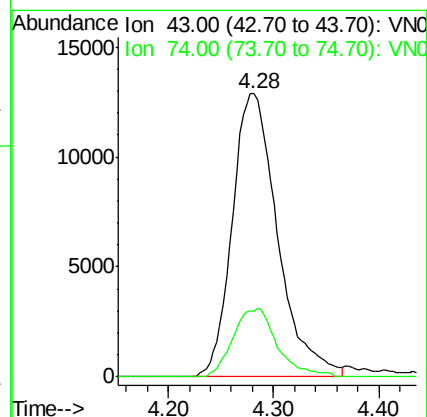
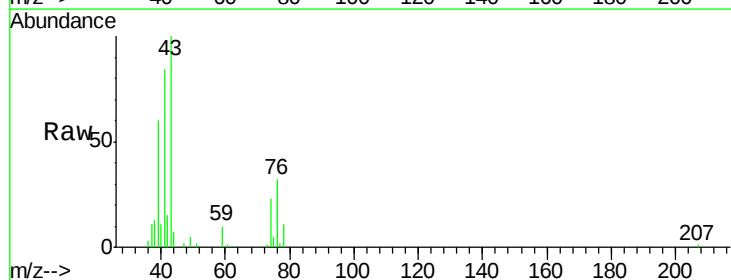
Acq: 12 Aug 2020 14:06

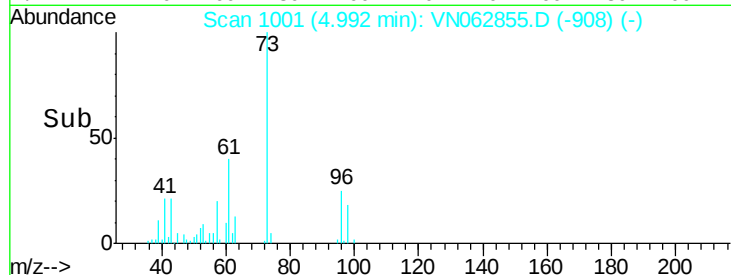
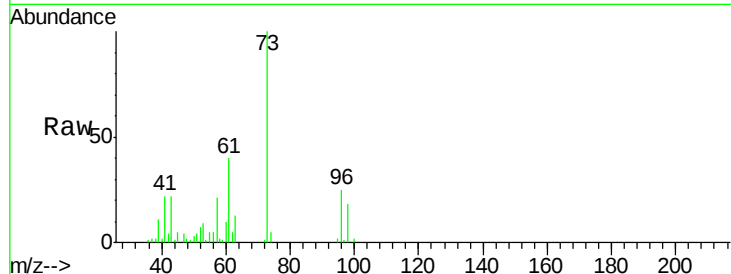
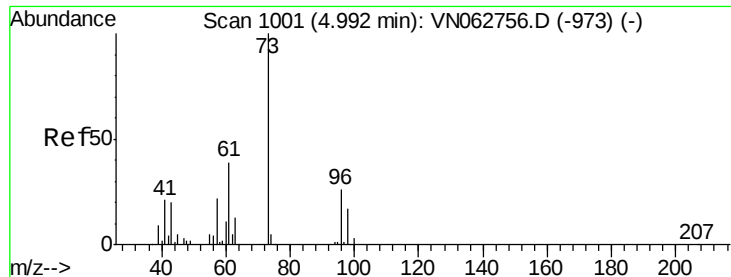
Tgt Ion: 43 Resp: 38524

Ion Ratio Lower Upper

43 100

74 23.5 18.6 28.0





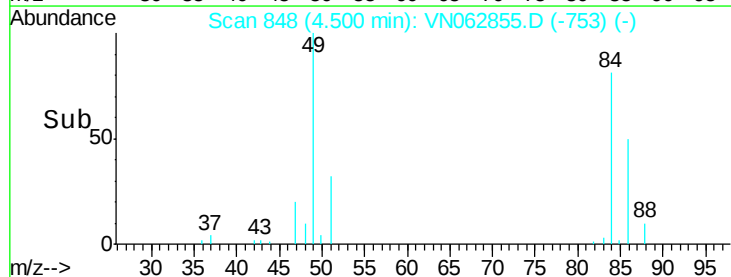
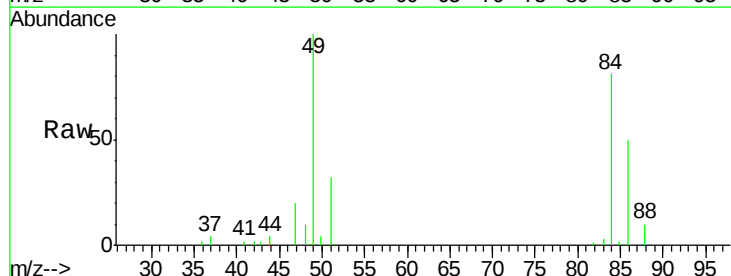
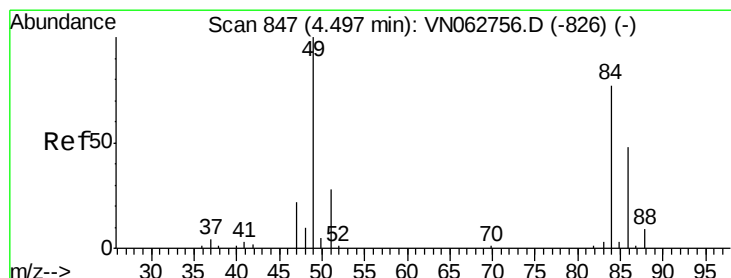
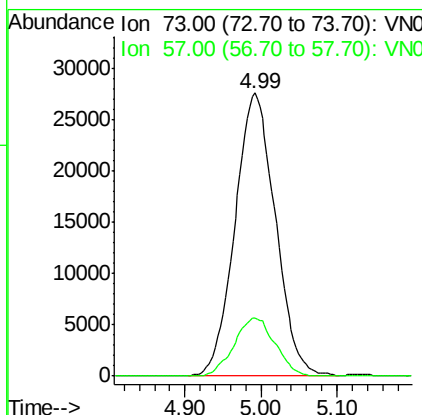
#19
Methvl tert-butvl Ether
Concen: 18.025 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Tot Ion: 73 Resp: 101850
Ion Ratio Lower Upper
73 100
57 20.5 17.5 26.3

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

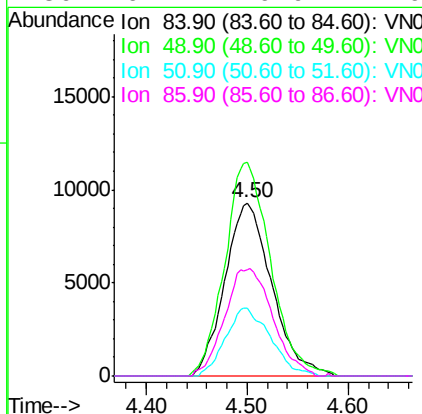
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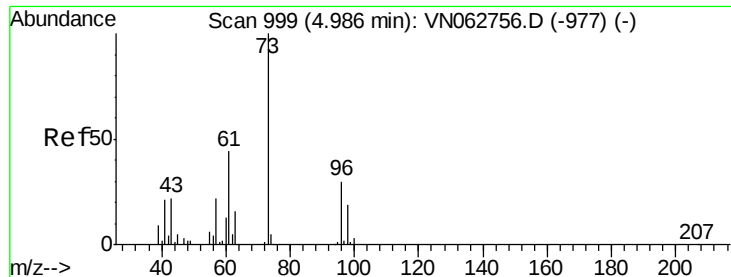
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#20
Methylene Chloride
Concen: 18.325 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Tgt Ion: 84 Resp: 29994
Ion Ratio Lower Upper
84 100
49 123.5 103.4 155.2
51 39.2 29.3 43.9
86 61.1 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 16.184 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Instrument :

MSVOA_N

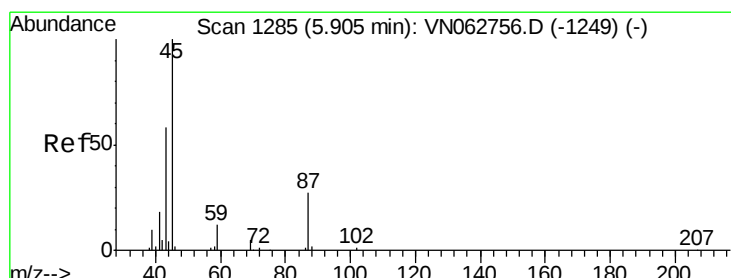
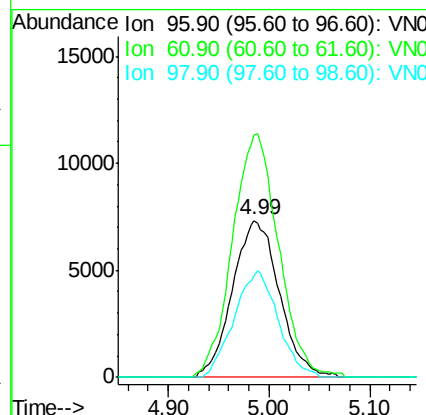
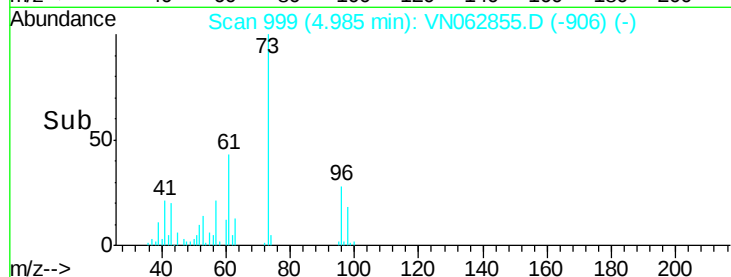
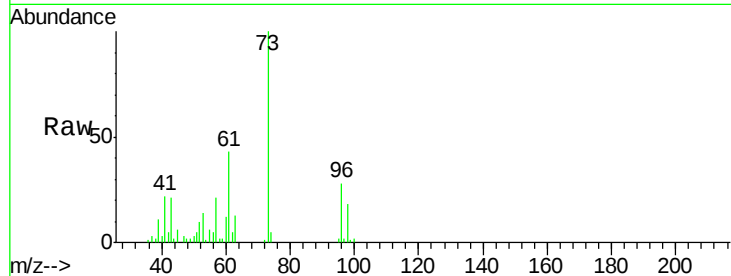
ClientSampleId :

VN0812WBSD01

Tot Ion:	96	Resp:	23620
Ion	Ratio	Lower	Upper
96	100		
61	154.5	118.8	178.2
98	64.8	51.0	76.4

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#22

Diisopropyl ether

Concen: 17.295 ug/l

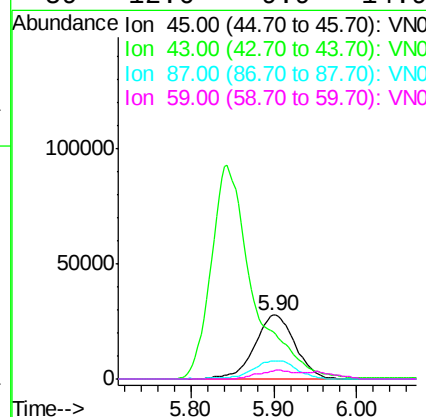
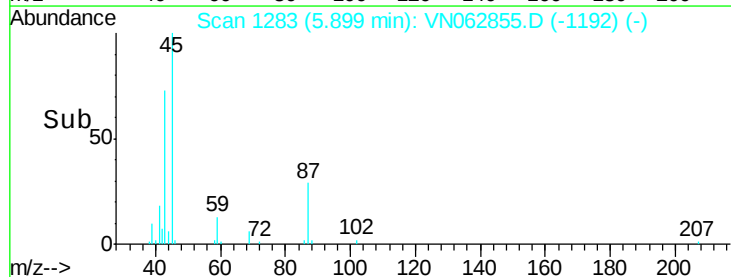
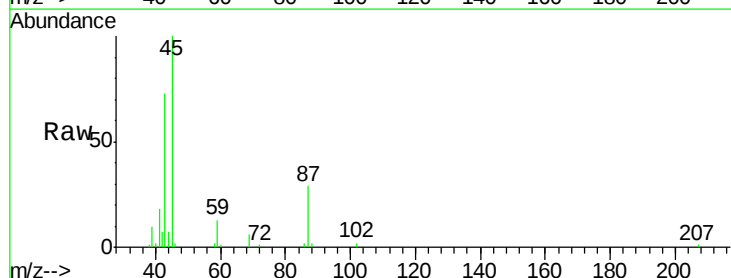
RT: 5.90 min Scan# 1283

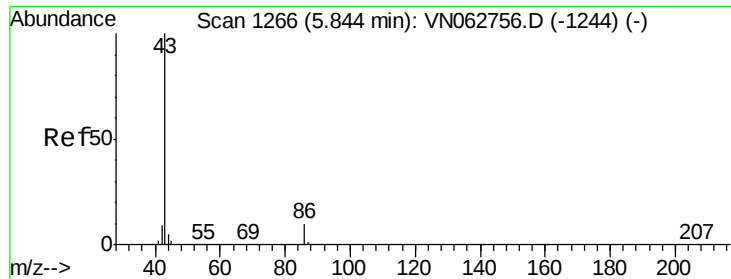
Delta R.T. -0.01 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Tgt Ion:	45	Resp:	94014
Ion	Ratio	Lower	Upper
45	100		
43	69.3	47.4	71.2
87	28.8	22.8	34.2
59	12.6	9.9	14.9





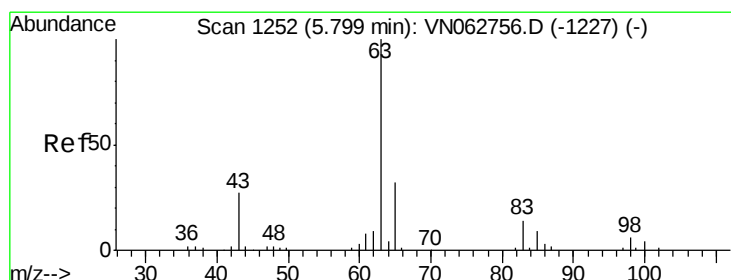
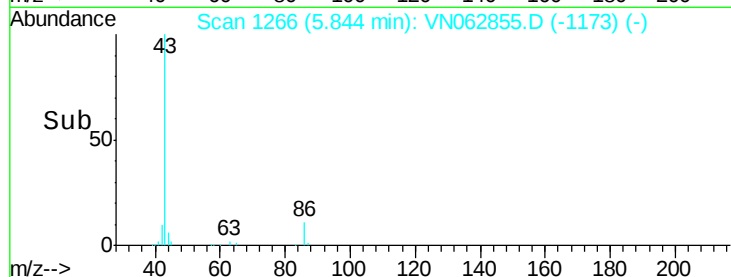
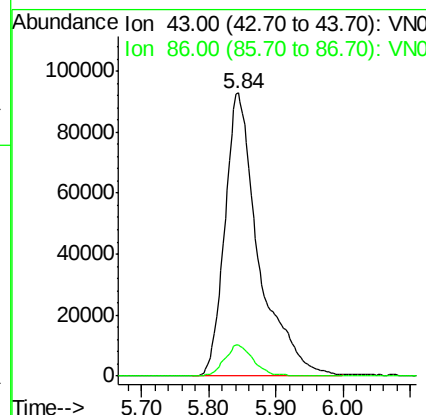
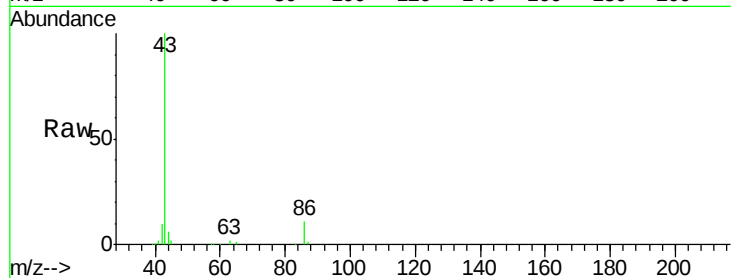
#23
 Vinyl Acetate
 Concen: 78.715 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN062855.D
 Acq: 12 Aug 2020 14:06

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0812WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.9	7.7	11.5

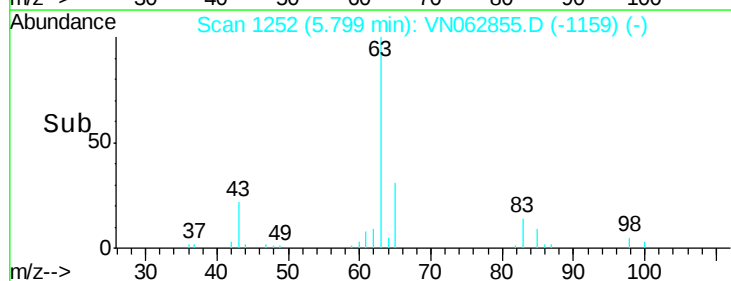
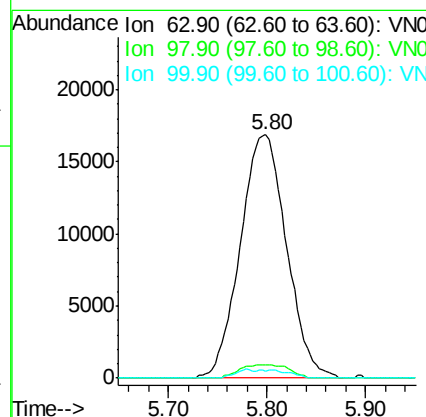
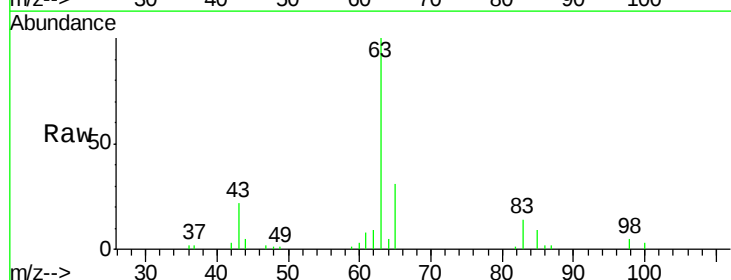
Manual Integrations
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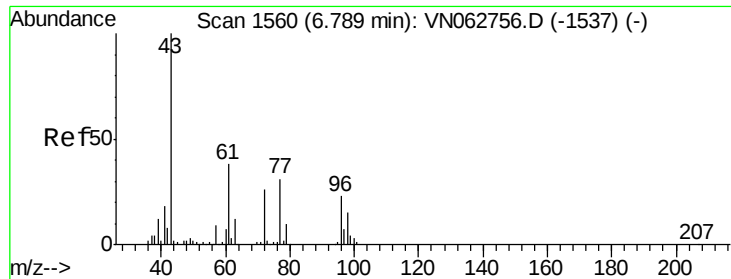
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#24
 1,1-Dichloroethane
 Concen: 17.163 ug/l
 RT: 5.80 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VN062855.D
 Acq: 12 Aug 2020 14:06

Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.5	3.0	9.2
100	3.0	1.9	5.7





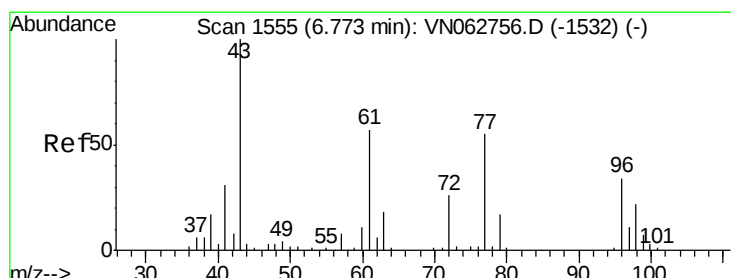
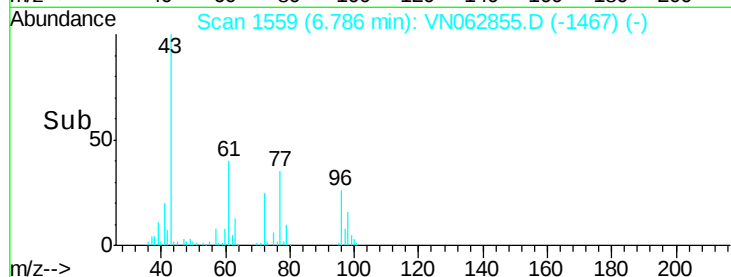
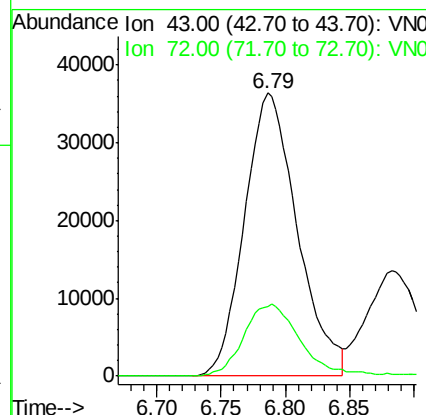
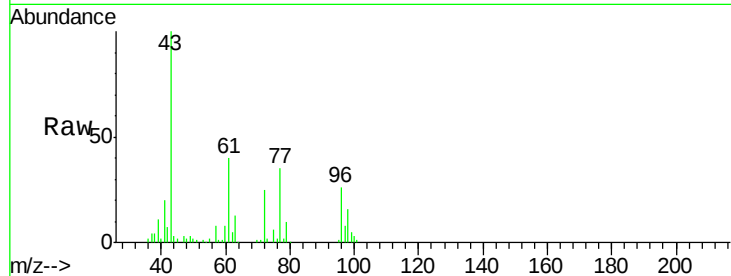
#25
2-Butanone
Concen: 84.212 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

Tot Ion: 43 Resp: 103942
Ion Ratio Lower Upper
43 100
72 24.7 21.1 31.7

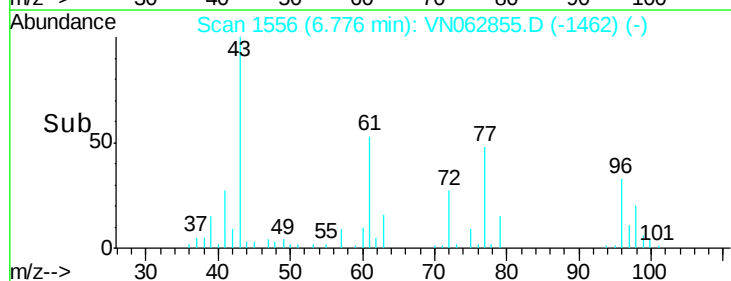
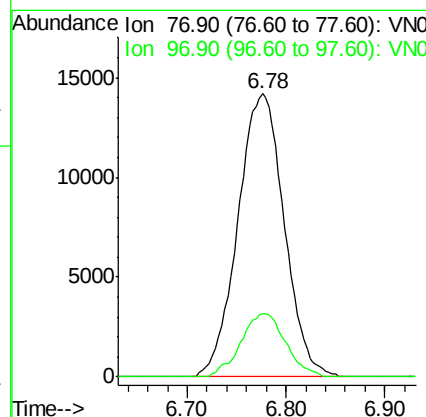
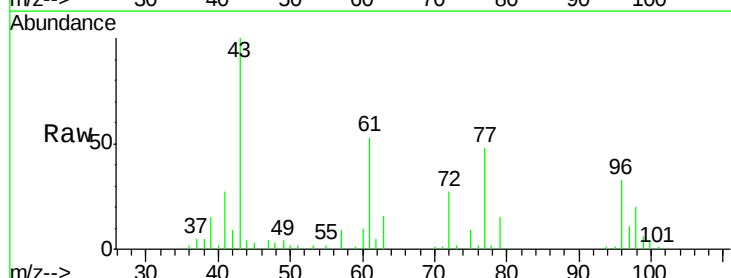
Manual Integrations
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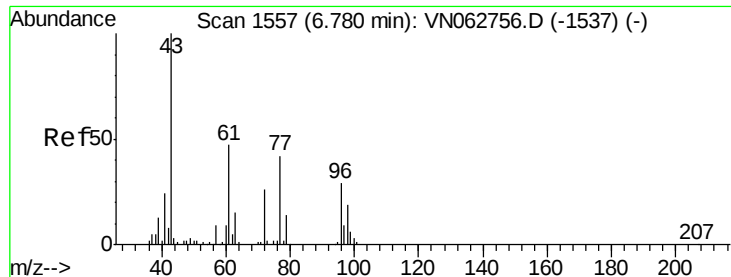
MMDadoda
8/13/2020 10:57:09 AM



#26
2,2-Dichloropropane
Concen: 15.721 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. 0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Tgt Ion: 77 Resp: 46162
Ion Ratio Lower Upper
77 100
97 21.5 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 17.281 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Instrument :

MSVOA_N

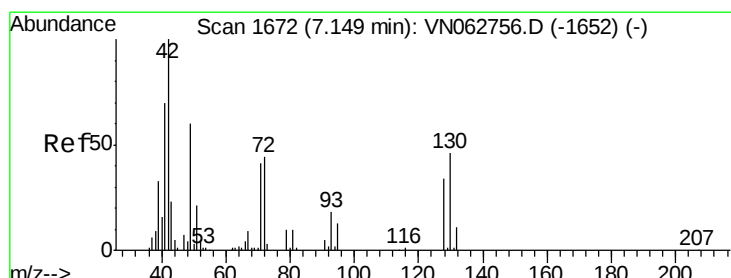
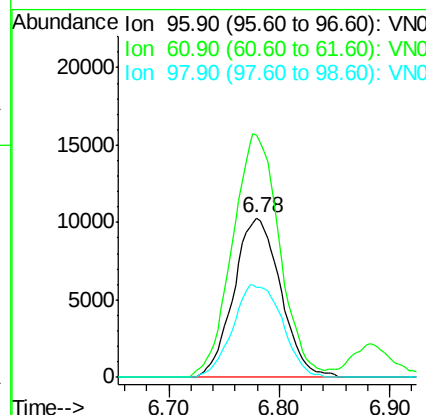
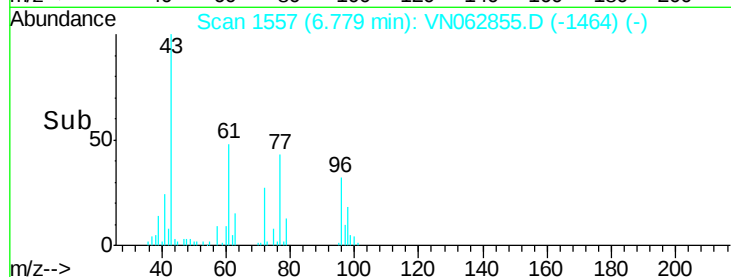
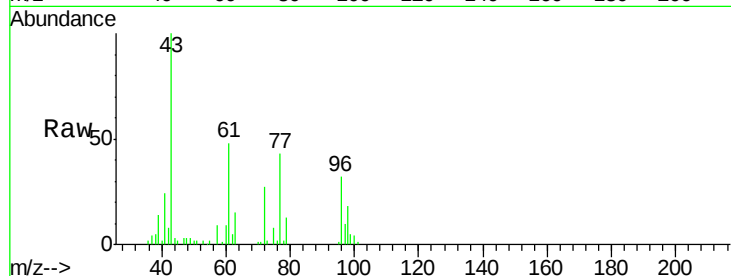
ClientSampled :

VN0812WBSD01

Tot Ion:	96	Resp:	30255
Ion	Ratio	Lower	Upper
96	100		
61	153.7	0.0	332.2
98	61.4	0.0	129.4

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#28

Bromochloromethane

Concen: 17.200 ug/l

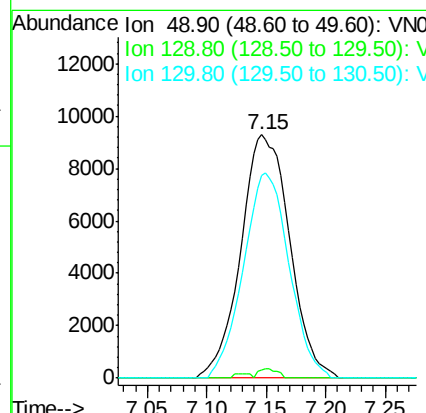
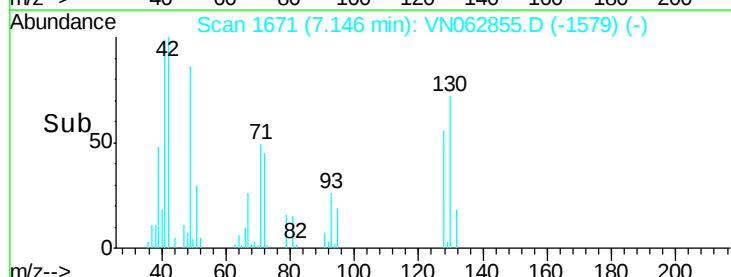
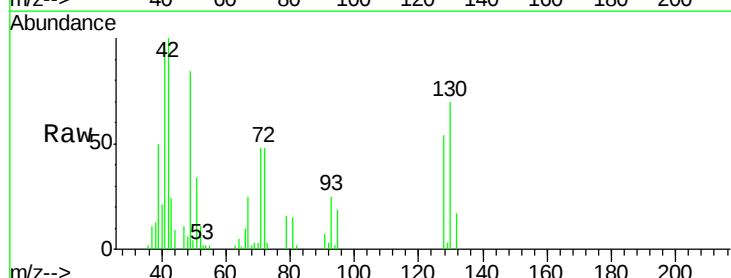
RT: 7.15 min Scan# 1671

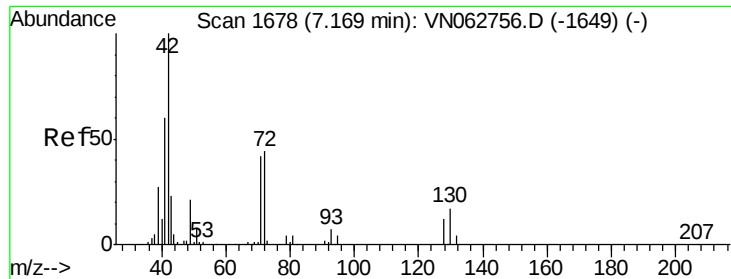
Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Tgt Ion:	49	Resp:	26443
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.2
130	78.6	59.0	88.6





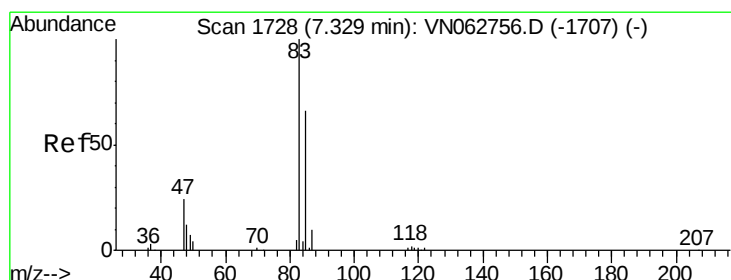
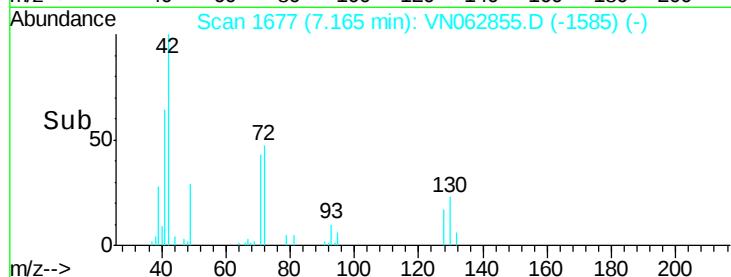
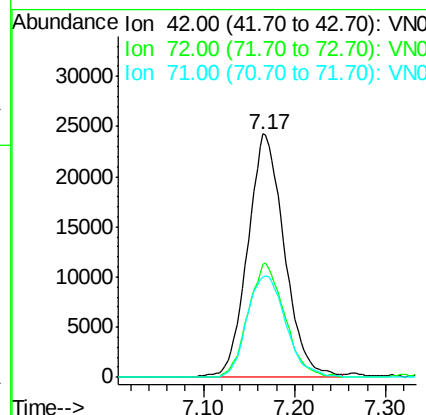
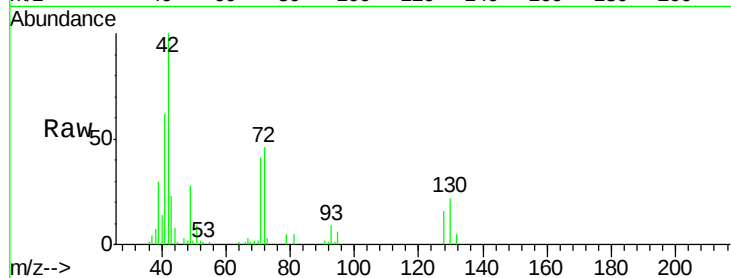
#29
Tetrahydrofuran
Concen: 84.928 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.1	35.0	52.4
71	43.9	33.2	49.8

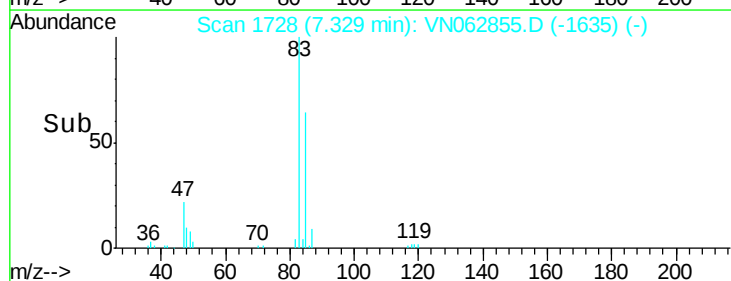
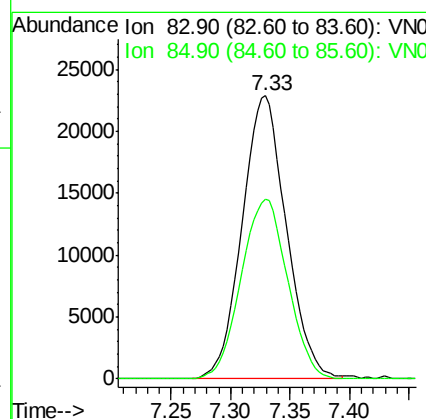
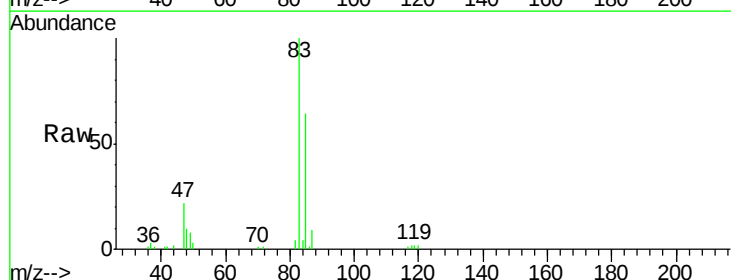
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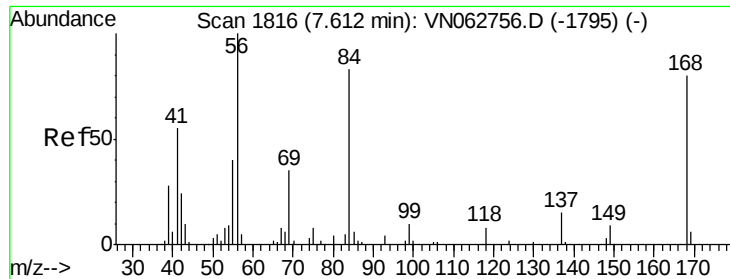
MMDadoda
8/13/2020 10:57:09 AM



#30
Chloroform
Concen: 17.375 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.7	79.1





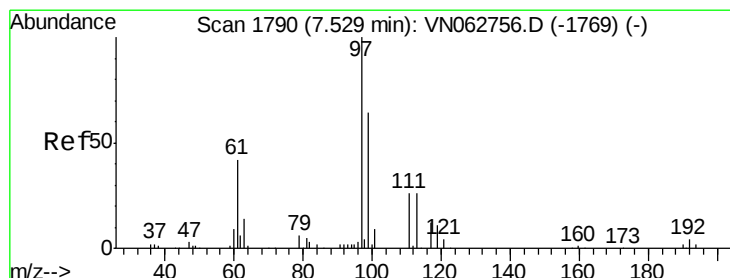
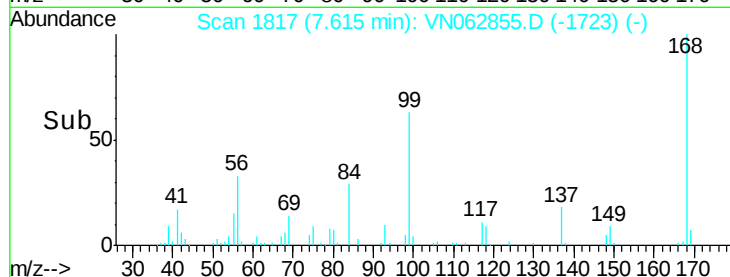
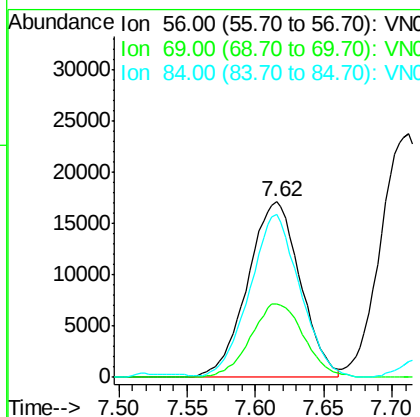
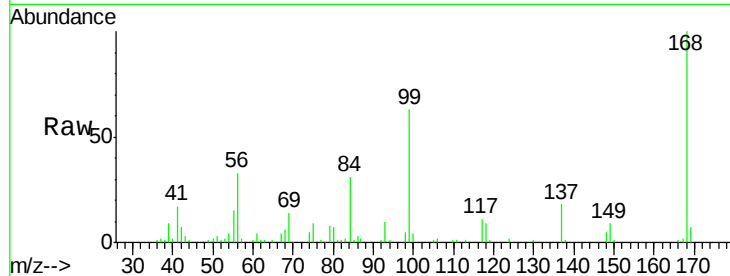
#31
Cyclohexane
Concen: 15.725 ug/l
RT: 7.62 min Scan# 1817
Delta R.T. 0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	41.9	28.1	42.1	
84	91.6	66.8	100.2	

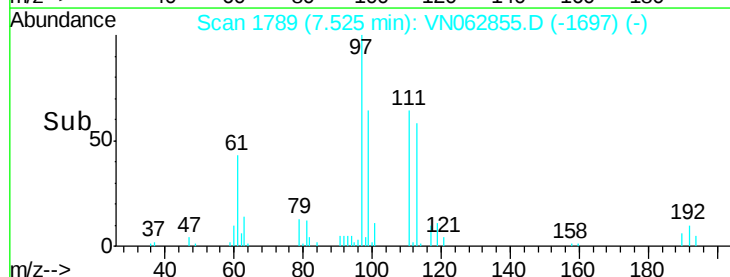
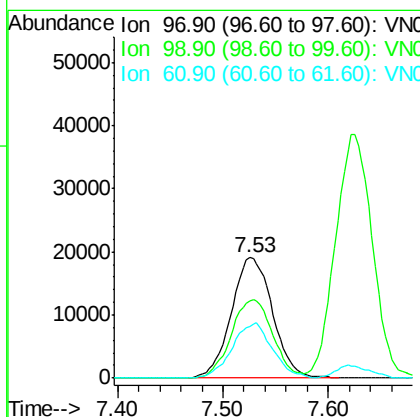
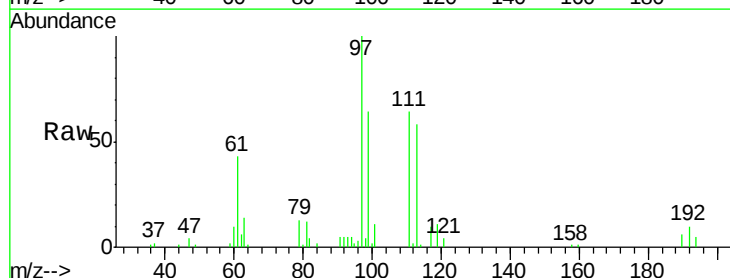
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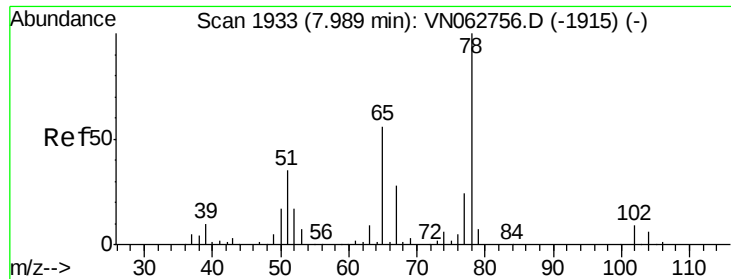
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 17.138 ug/l
RT: 7.53 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	65.4	50.0	75.0	
61	44.5	34.8	52.2	





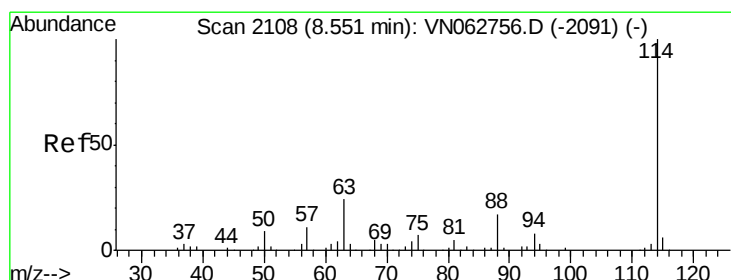
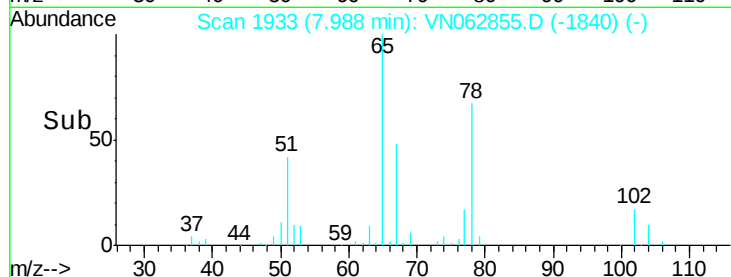
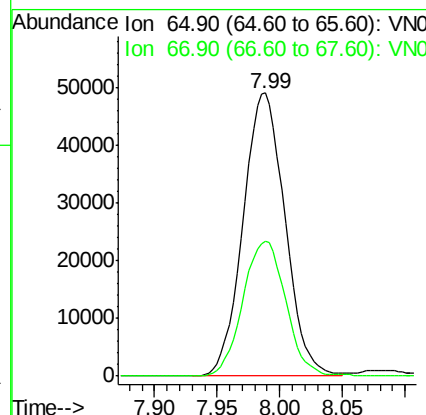
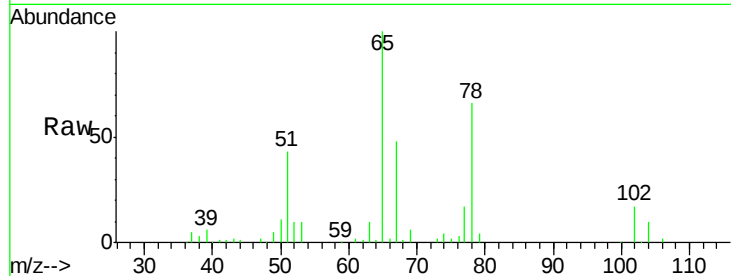
#33
 1,2-Dichloroethane-d4
 Concen: 47.402 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062855.D
 Acq: 12 Aug 2020 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	48.7	0.0	101.4	

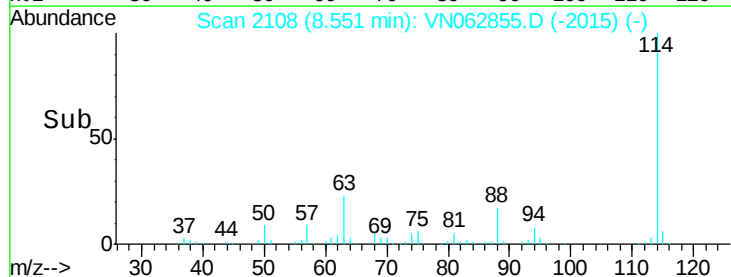
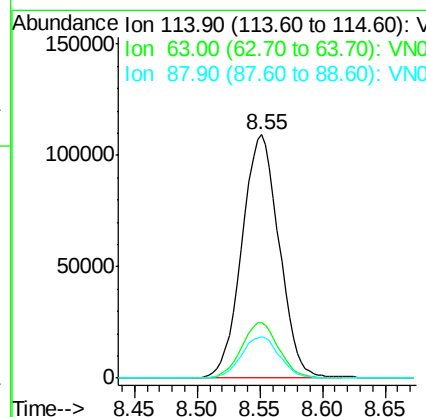
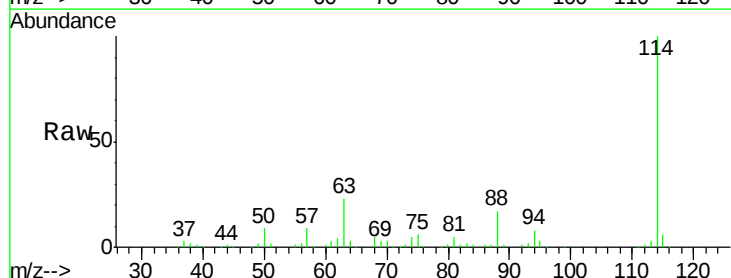
Manual Integrations
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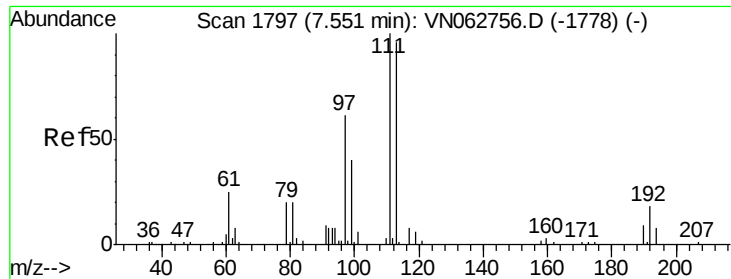
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062855.D
 Acq: 12 Aug 2020 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.6	0.0	47.6	
88	16.8	0.0	34.4	





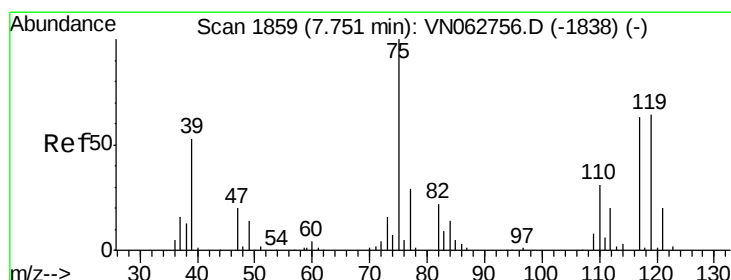
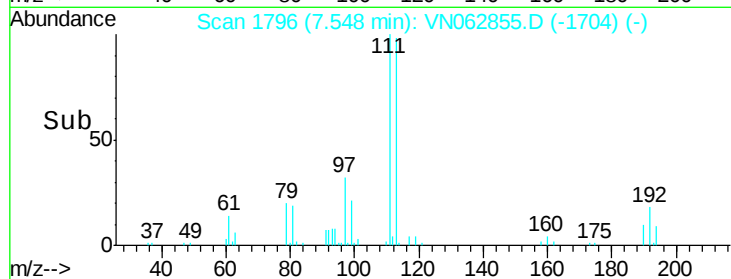
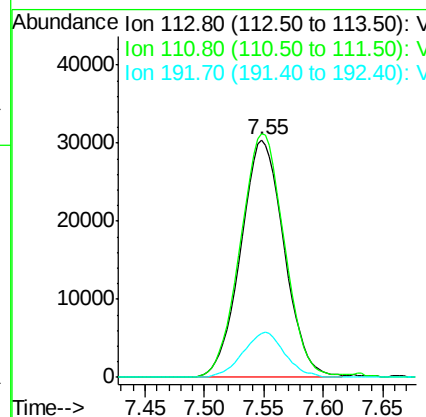
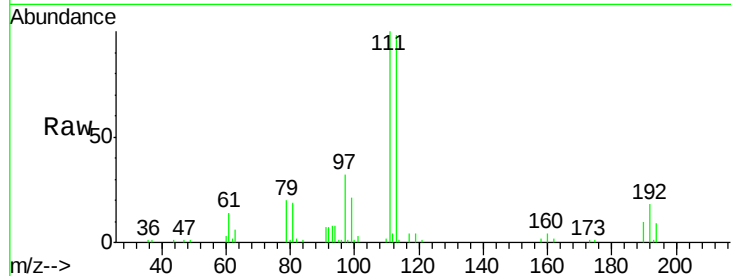
#35
 Dibromofluoromethane
 Concen: 49.632 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062855.D
 Acq: 12 Aug 2020 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	76742		
111	103.8		81.8	122.6
192	18.3		15.0	22.4

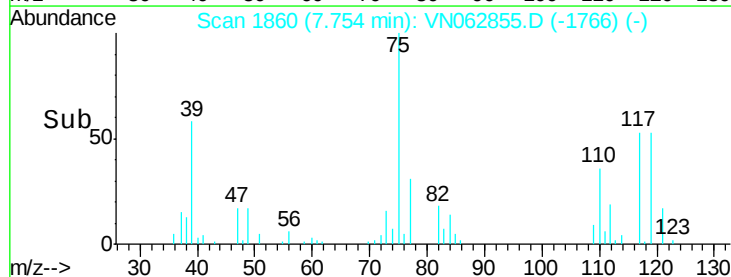
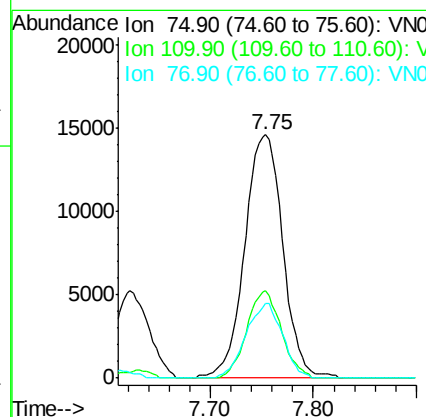
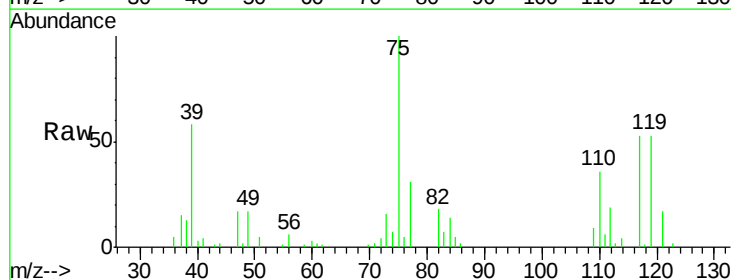
Manual Integrations
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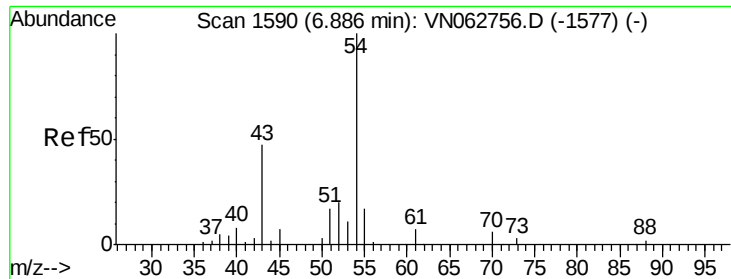
MMDadoda
 8/13/2020 10:57:09 AM



#36
 1,1-Dichloropropene
 Concen: 17.029 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN062855.D
 Acq: 12 Aug 2020 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	37480		
110	32.5		15.6	46.7
77	29.5		24.1	36.1





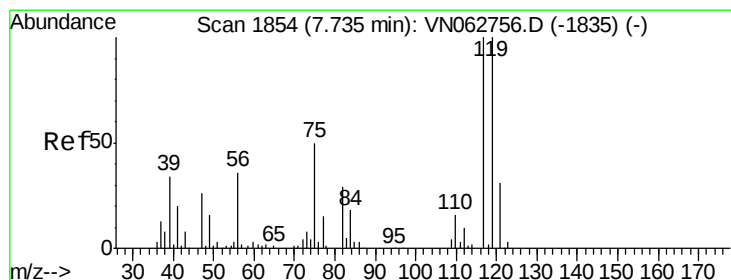
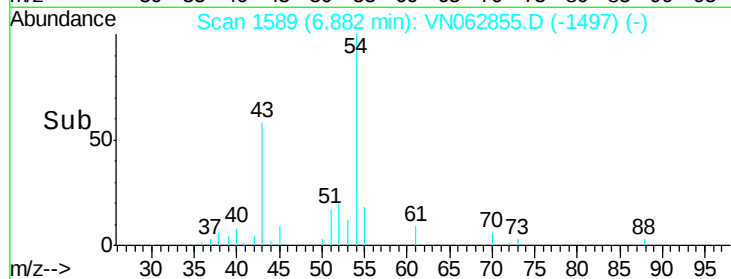
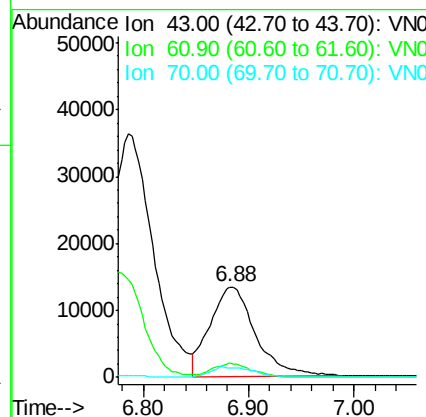
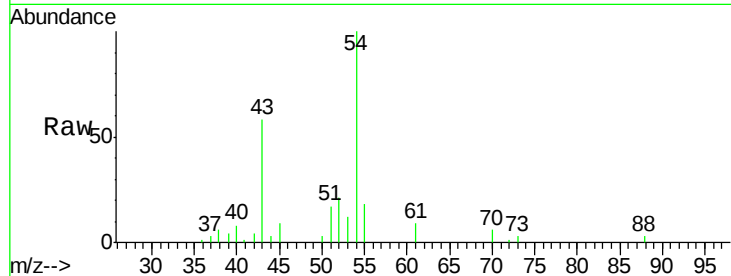
#37
Ethyl Acetate
Concen: 17.201 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Instrument :
MSVOA_N
ClientSampleID :
VN0812WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	12.1	18.1
70	5.1	8.3	12.5

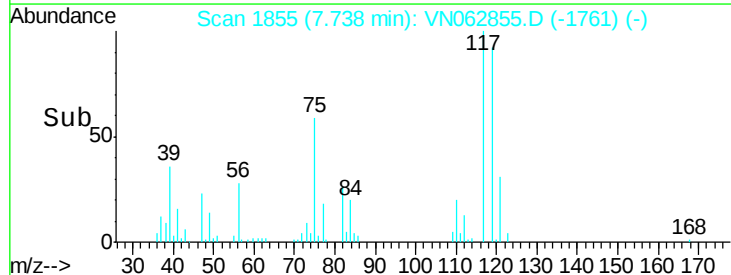
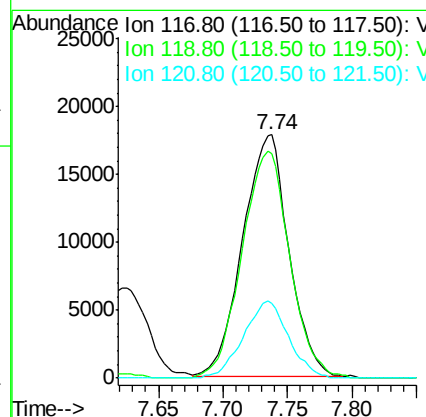
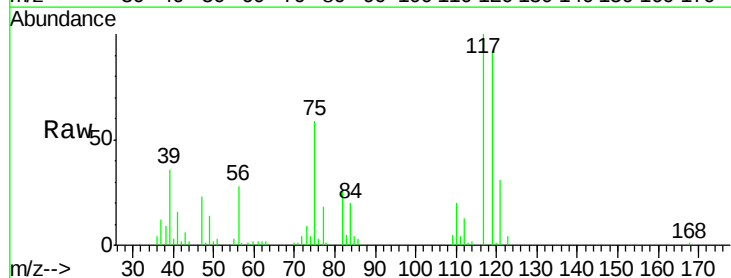
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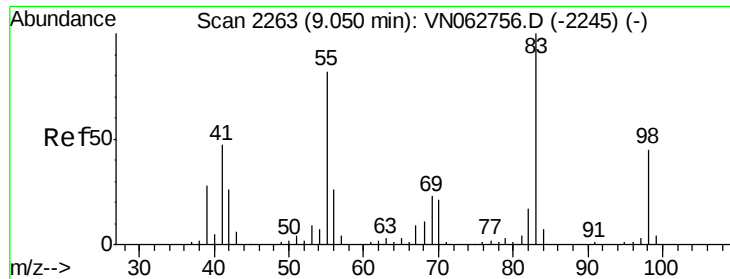
MMDadoda
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#38
Carbon Tetrachloride
Concen: 17.048 ug/l
RT: 7.74 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.0	79.4	119.2
121	31.1	24.9	37.3





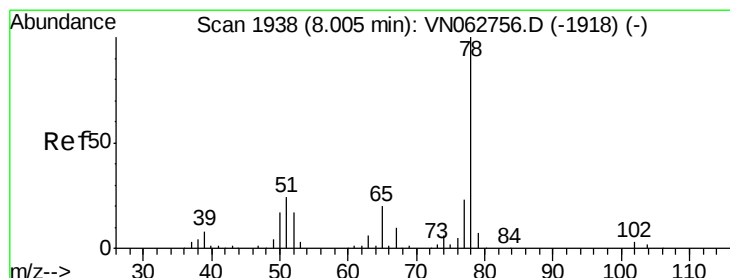
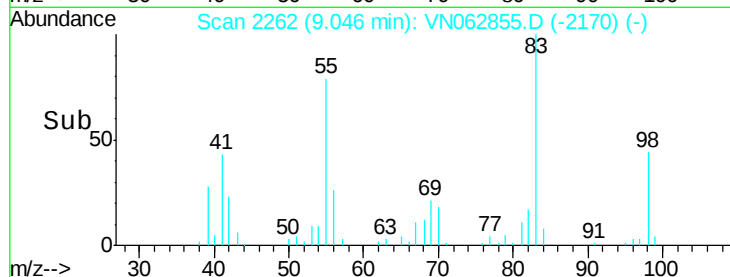
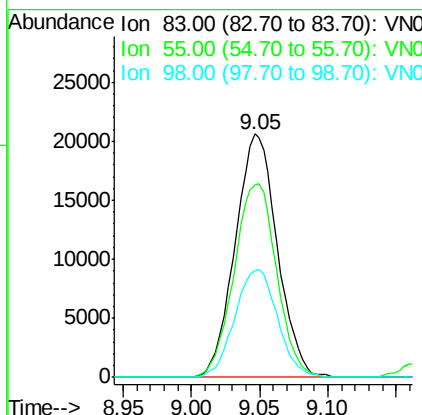
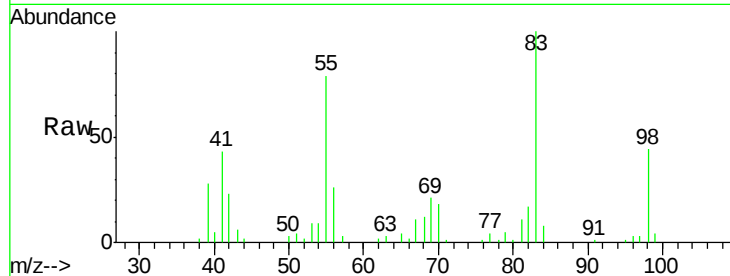
#39
Methvlcvclohexane
Concen: 16.686 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

Tot Ion	83	Resp	44196
Ion Ratio	100	Lower	Upper
83	100		
55	79.3	65.7	98.5
98	43.9	35.6	53.4

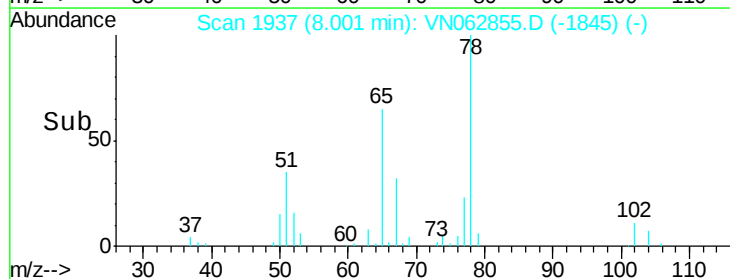
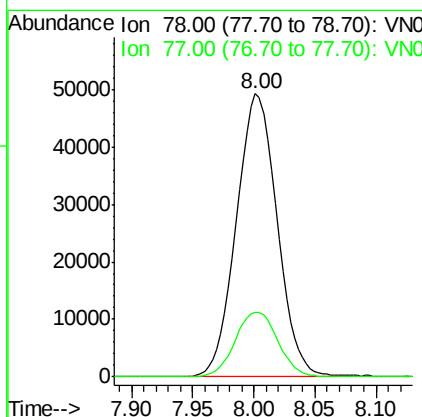
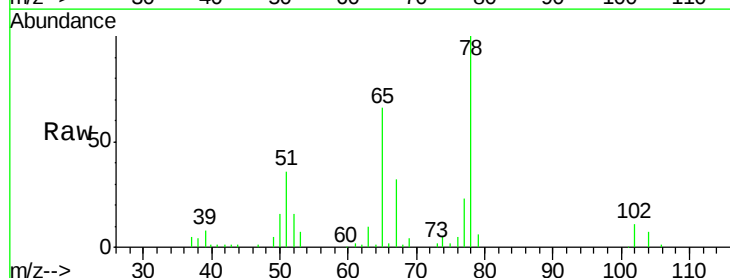
Manual Integrations
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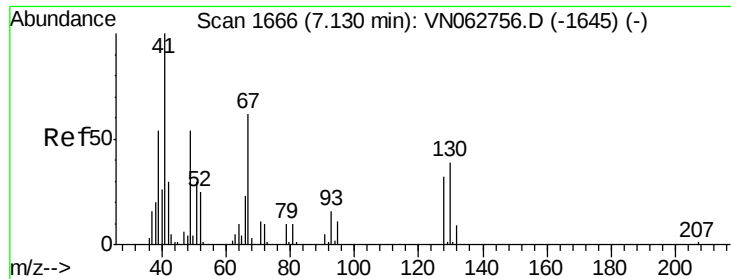
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#40
Benzene
Concen: 17.348 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Tgt Ion	78	Resp	113934
Ion Ratio	100	Lower	Upper
78	100		
77	22.9	18.1	27.1





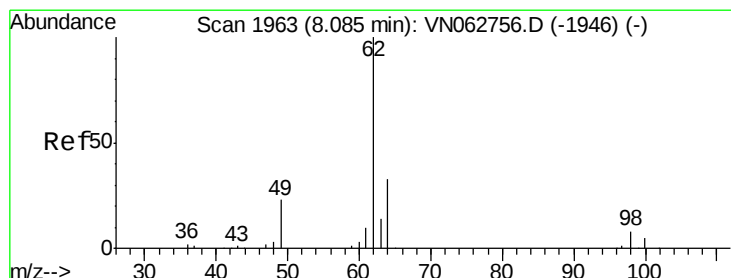
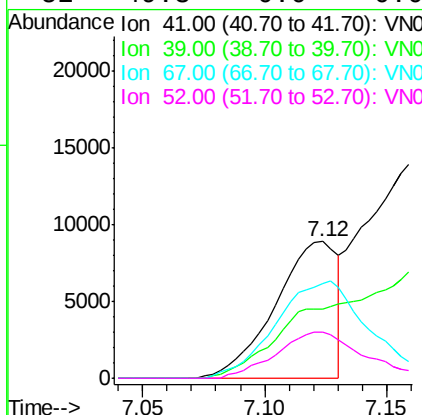
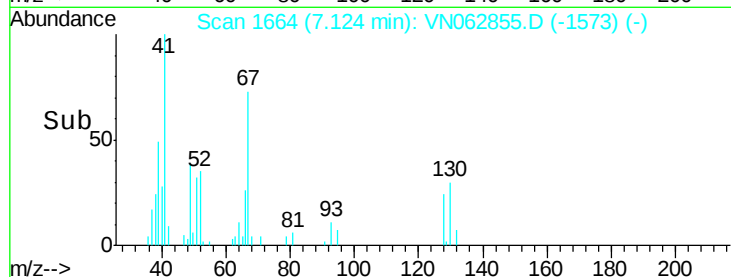
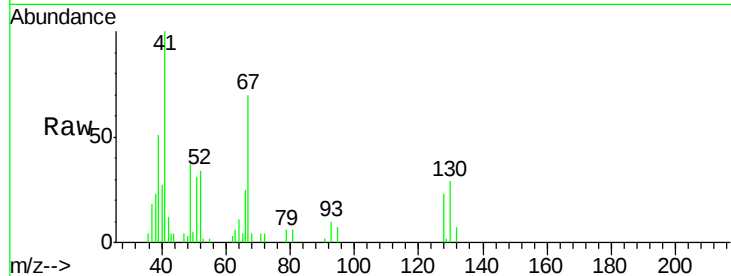
#41
Methacrylonitrile
Concen: 15.191 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.01 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	69.4	104.2#
67	107.5	0.0	0.0#
52	49.3	0.0	0.0#

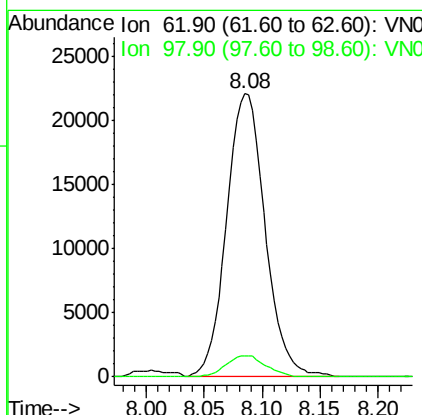
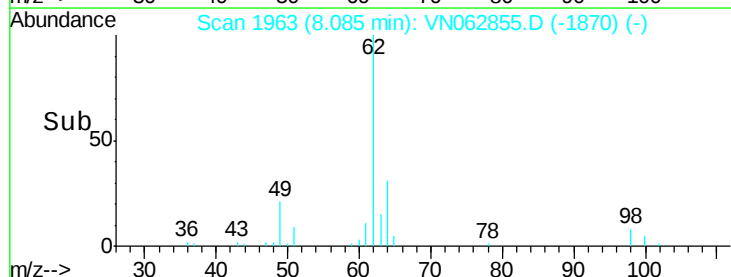
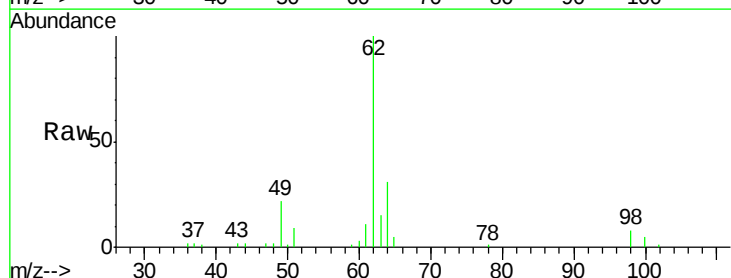
Manual Integrations
APPROVED

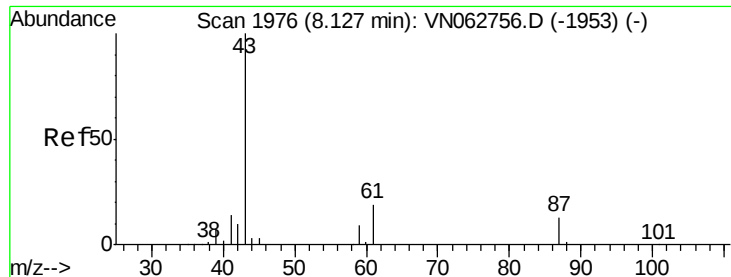
MMDadoda
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#42
1,2-Dichloroethane
Concen: 18.221 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.8





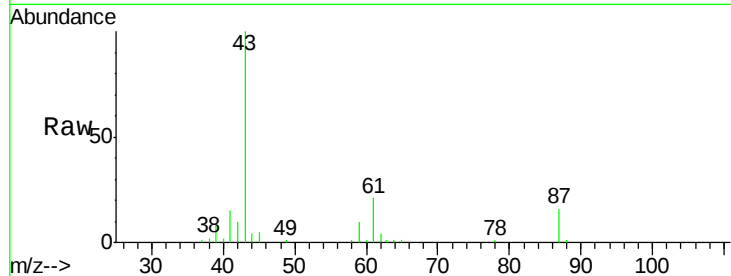
#43
Isopropyl Acetate
Concen: 17.041 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

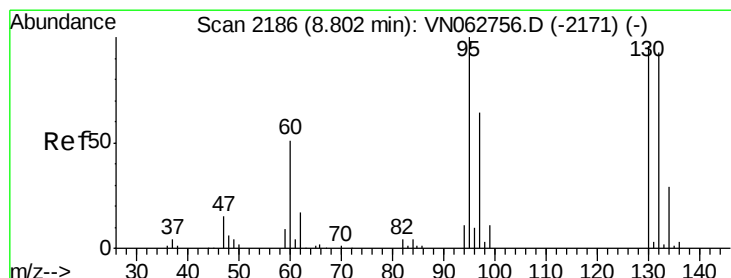
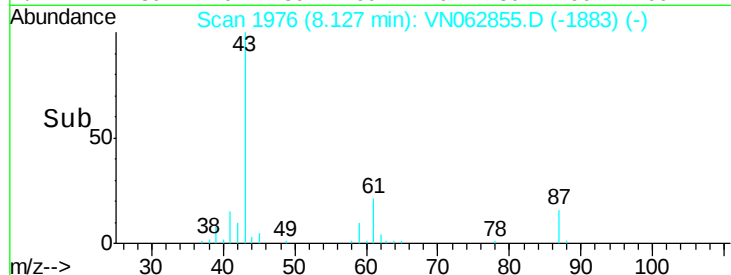
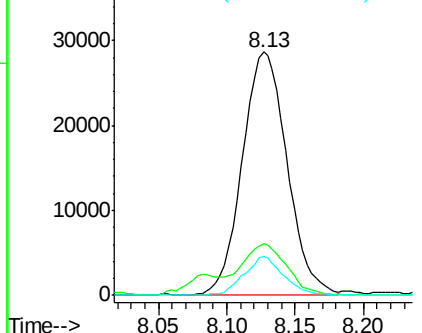
Tot Ion	Ratio	Lower	Upper
43	100		
61	20.8	15.8	23.6
87	14.1	9.9	14.9

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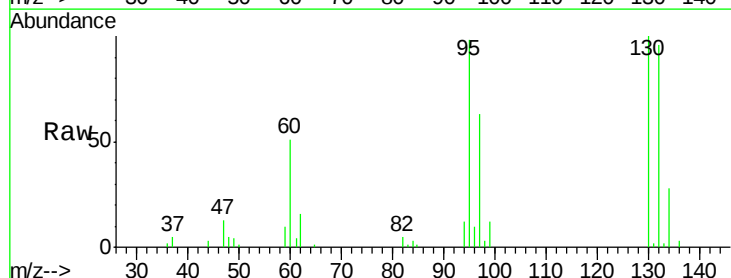


Abundance Ion 43.00 (42.70 to 43.70): VN062756.D (-1953) (-)

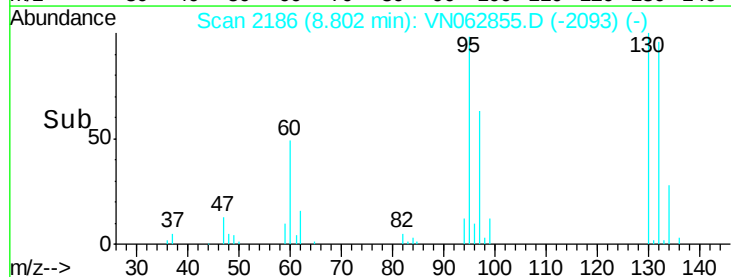
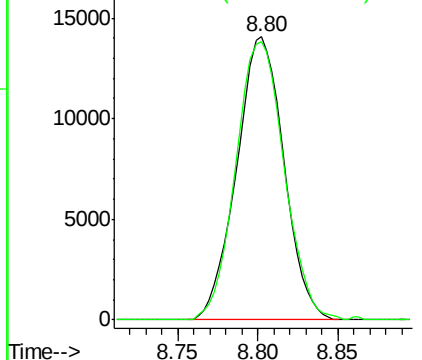


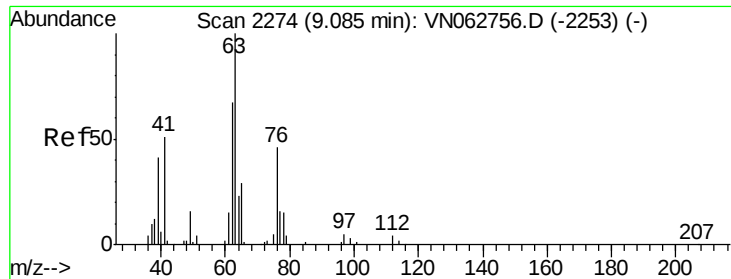
#44
Trichloroethene
Concen: 17.740 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.2	0.0	207.6



Abundance Ion 129.80 (129.50 to 130.50): VN062756.D (-2171) (-)





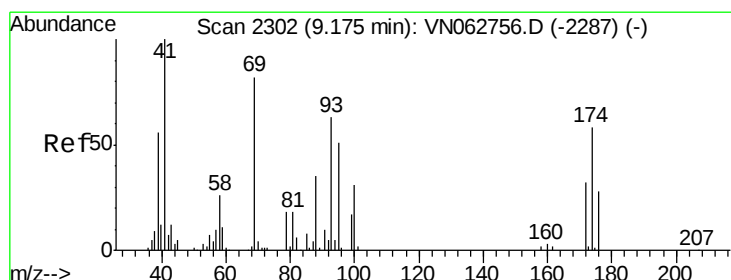
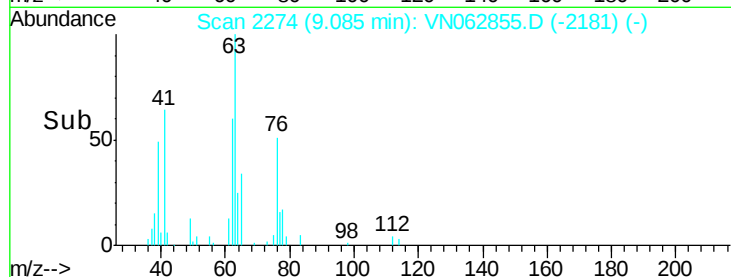
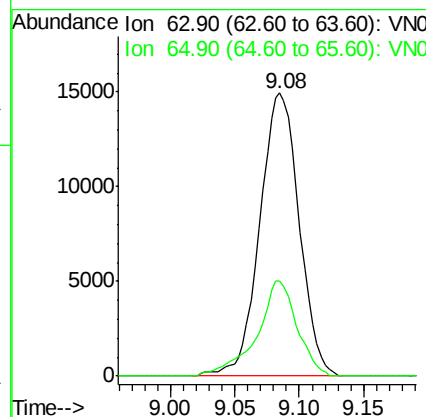
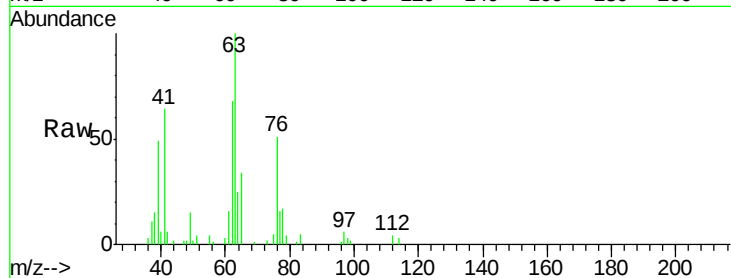
#45
 1,2-Dichloropropane
 Concen: 17.899 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN062855.D
 Acq: 12 Aug 2020 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.7	23.5	35.3

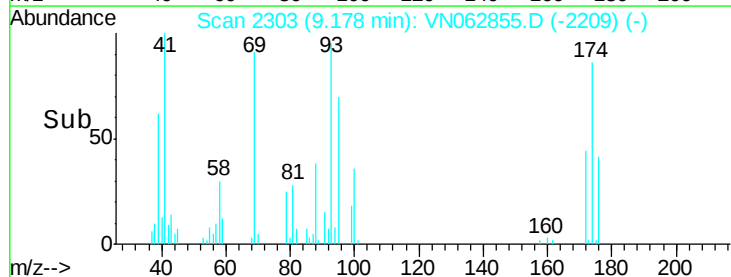
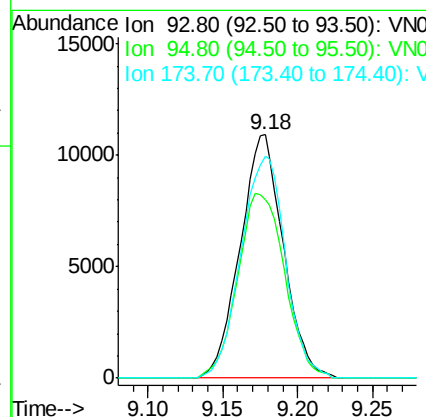
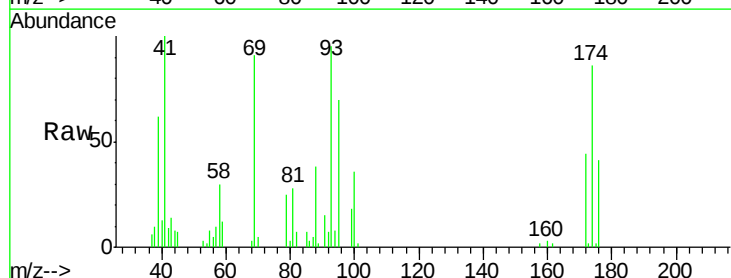
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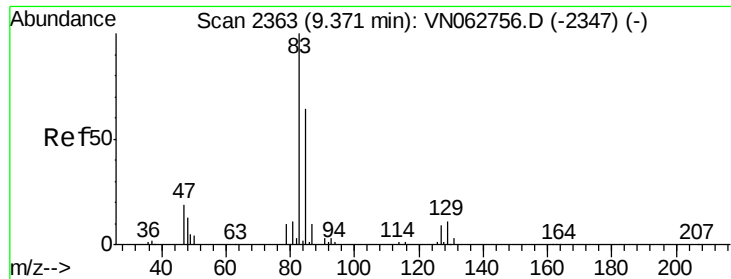
MMDadoda
 8/13/2020 10:57:09 AM



#46
 Dibromomethane
 Concen: 18.835 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. 0.00 min
 Lab File: VN062855.D
 Acq: 12 Aug 2020 14:06

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.1	97.7
174	93.9	73.9	110.9





#47

Bromodichloromethane

Concen: 18.406 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Instrument :

MSVOA_N

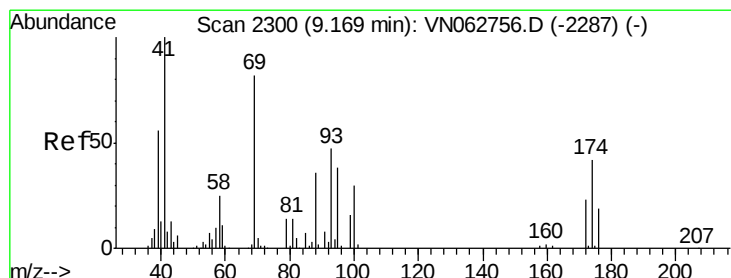
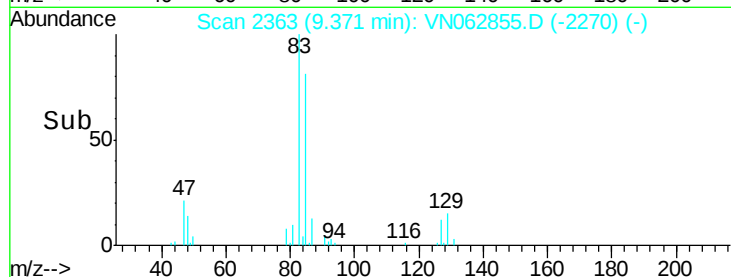
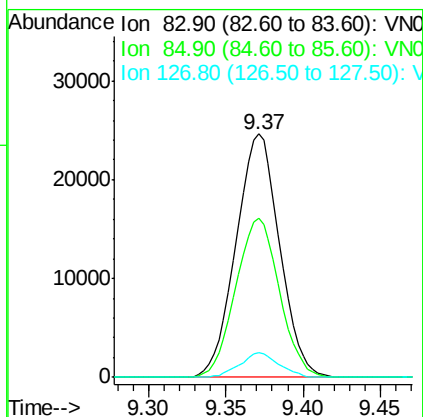
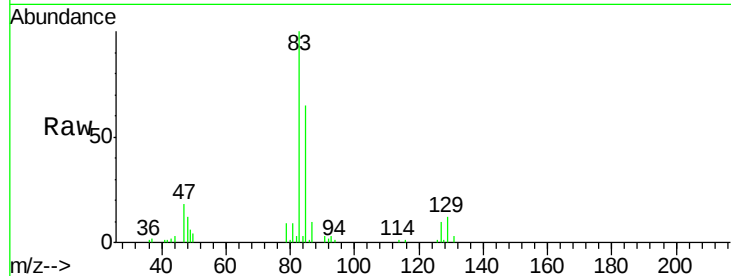
ClientSampleId :

VN0812WBSD01

Tot Ion:	83	Resp:	48147
Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.4	77.0
127	10.0	6.9	10.3

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#48

Methyl methacrylate

Concen: 16.511 ug/l

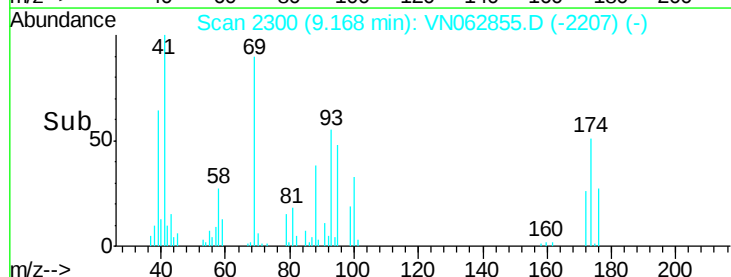
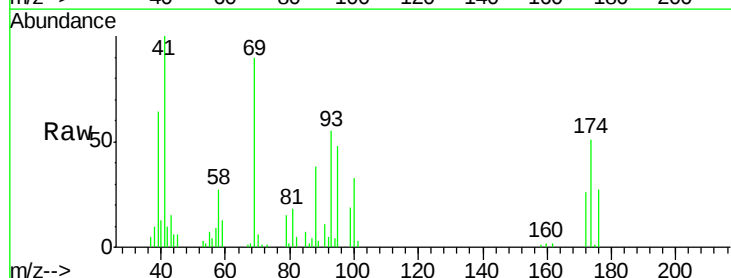
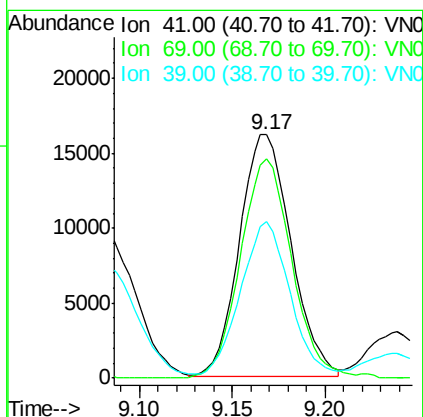
RT: 9.17 min Scan# 2300

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Tgt Ion:	41	Resp:	31143
Ion	Ratio	Lower	Upper
41	100		
69	90.5	67.4	101.2
39	62.9	47.6	71.4





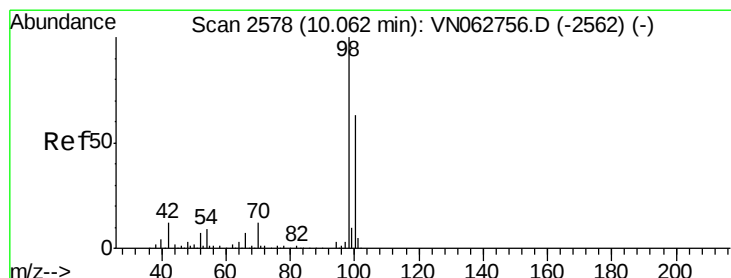
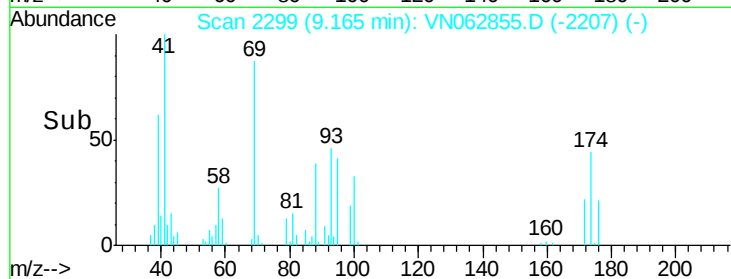
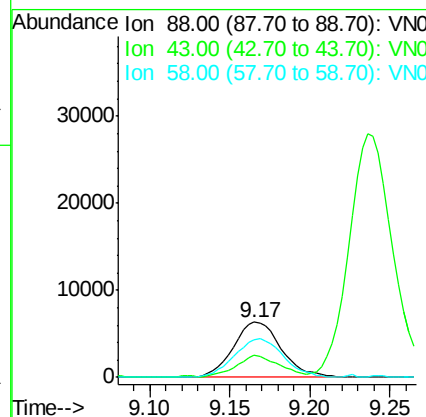
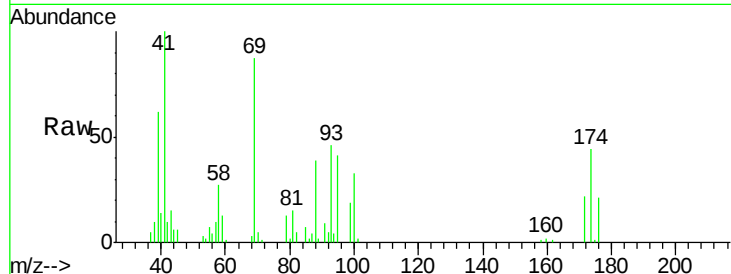
#49
1,4-Dioxane
Concen: 371.865 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Instrument :
MSVOA_N
ClientSampled :
VN0812WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.0	29.5	44.3
58	70.8	59.8	89.8

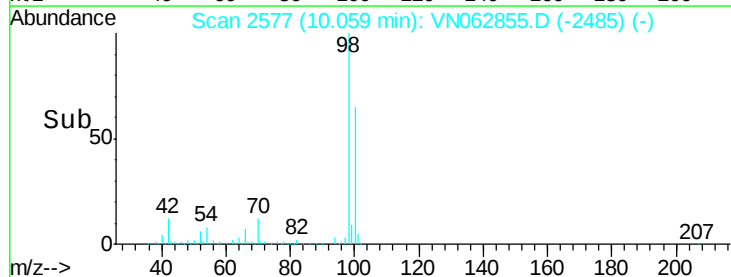
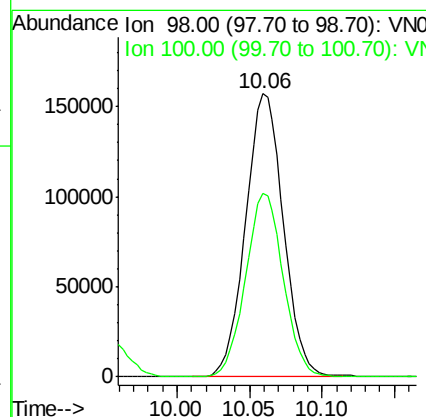
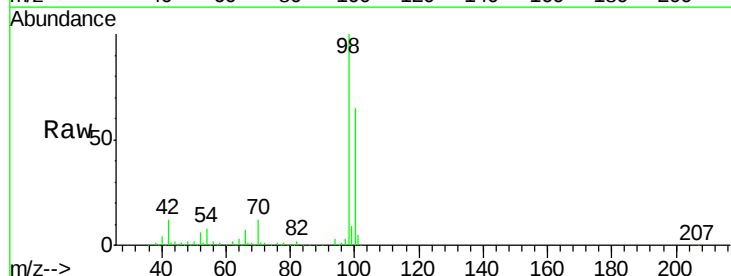
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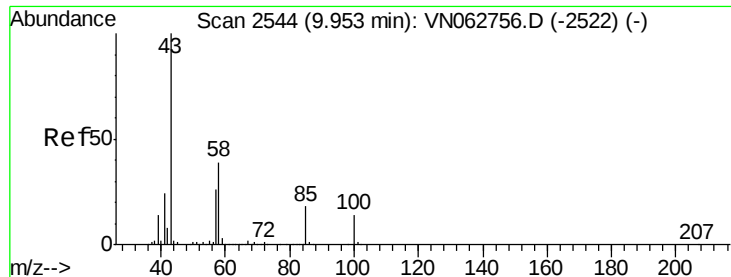
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#50
Toluene-d8
Concen: 47.161 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 89.112 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD01

Tot Ion: 43 Resp: 221106

Ion Ratio Lower Upper

43 100

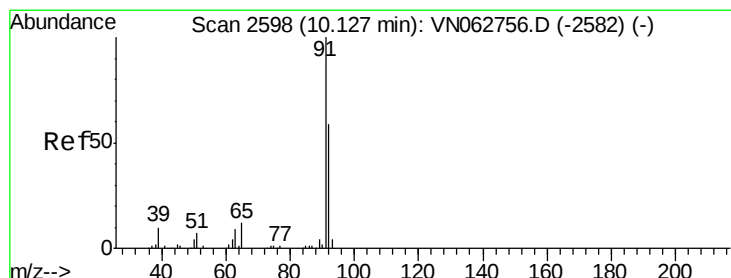
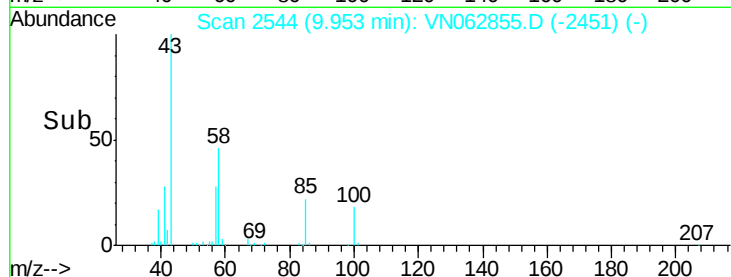
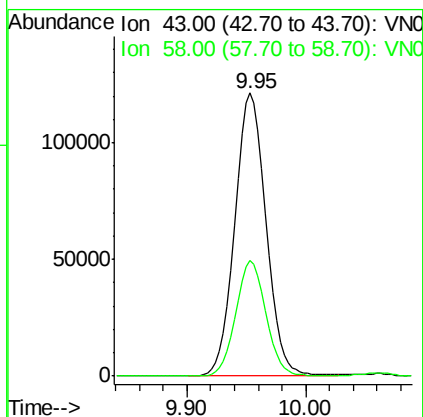
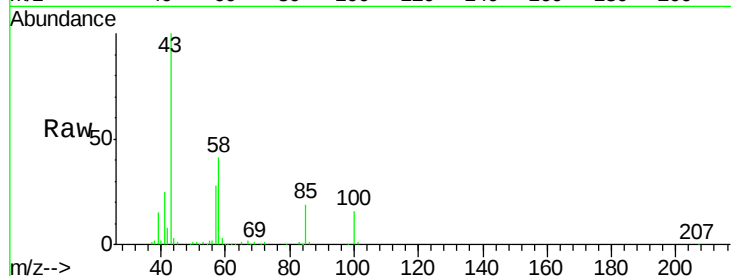
58 39.3 31.1 46.7

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#52

Toluene

Concen: 17.548 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VN062855.D

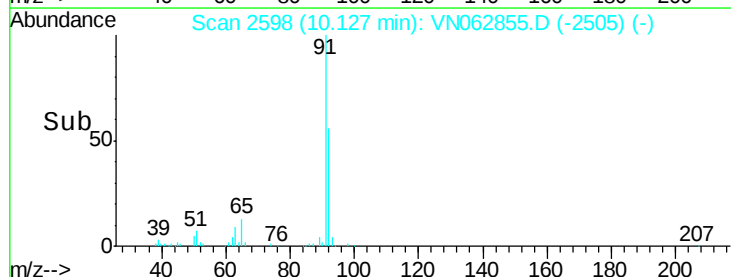
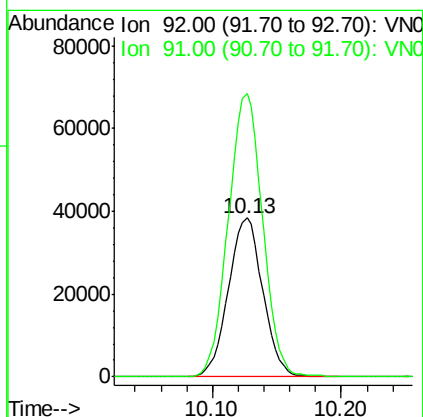
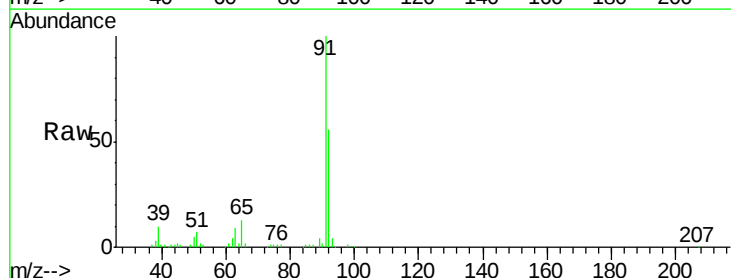
Acq: 12 Aug 2020 14:06

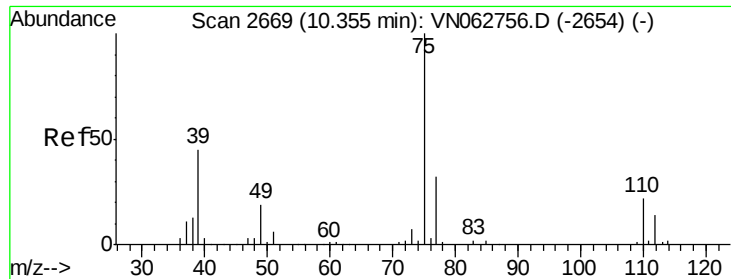
Tgt Ion: 92 Resp: 71157

Ion Ratio Lower Upper

92 100

91 177.8 138.9 208.3





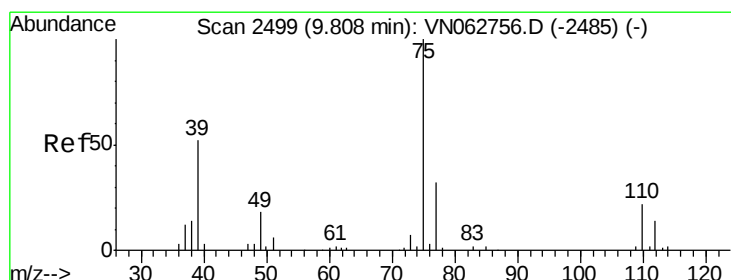
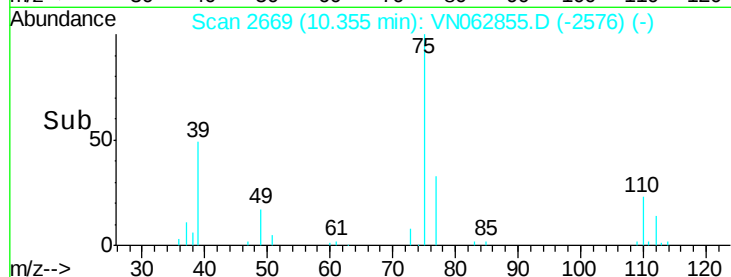
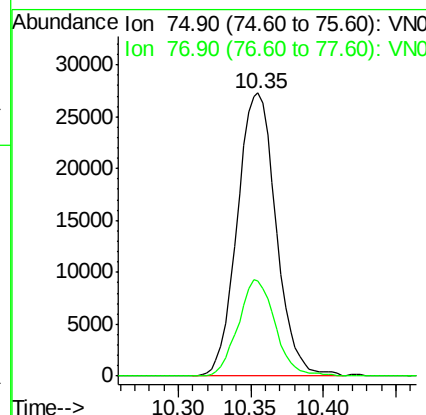
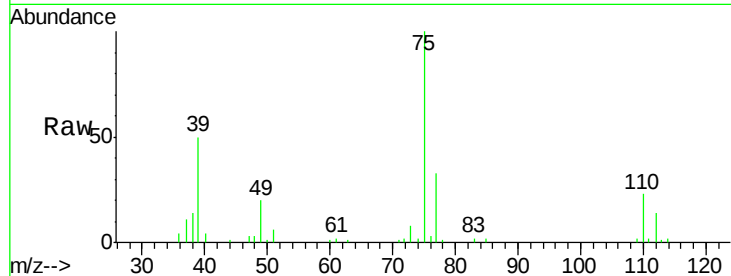
#53
t-1,3-Dichloropropene
Concen: 17.609 ug/l
RT: 10.35 min Scan# 2669
Delta R.T. -0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

Tot Ion: 75 Resp: 50668
Ion Ratio Lower Upper
75 100
77 33.4 25.4 38.2

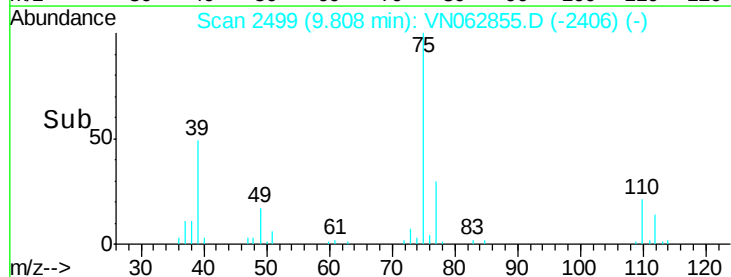
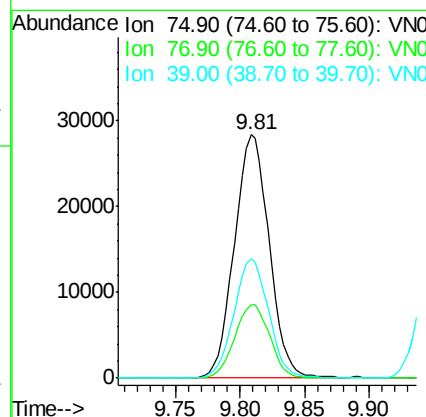
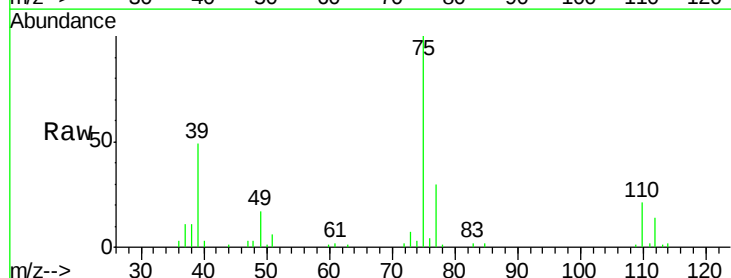
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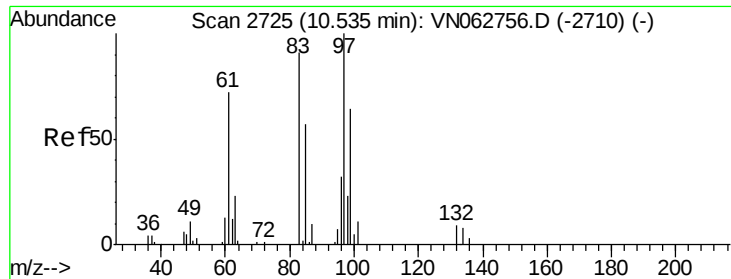
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#54
cis-1,3-Dichloropropene
Concen: 18.425 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Tgt Ion: 75 Resp: 53227
Ion Ratio Lower Upper
75 100
77 30.2 25.5 38.3
39 49.3 41.9 62.9





#55

1,1,2-Trichloroethane

Concen: 18.596 ug/l

RT: 10.53 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Instrument :

MSVOA_N

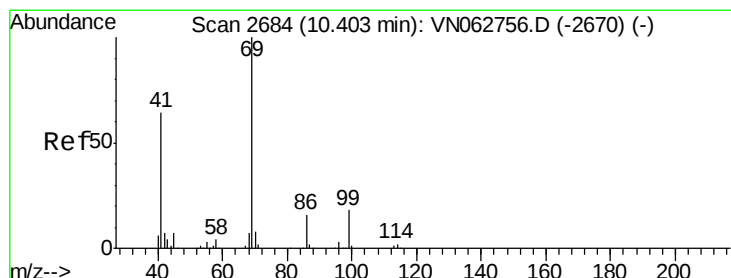
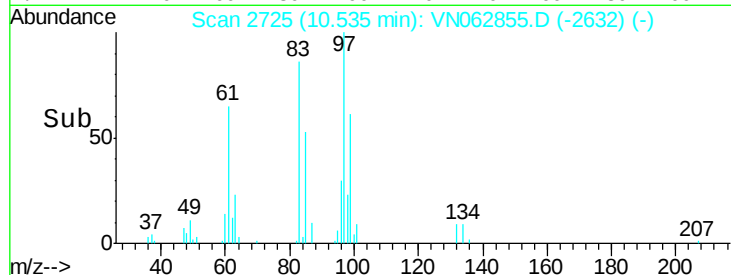
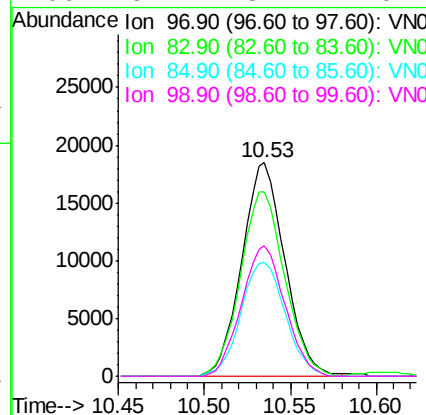
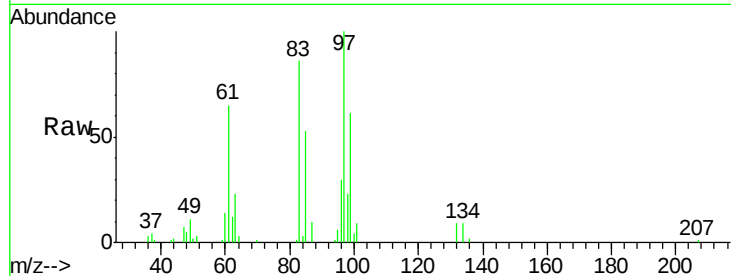
ClientSampleId :

VN0812WBSD01

Tot Ion:	97	Resp:	32207
Ion	Ratio	Lower	Upper
97	100		
83	86.3	72.6	108.8
85	53.2	46.0	69.0
99	61.1	51.1	76.7

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#56

Ethyl methacrylate

Concen: 17.728 ug/l

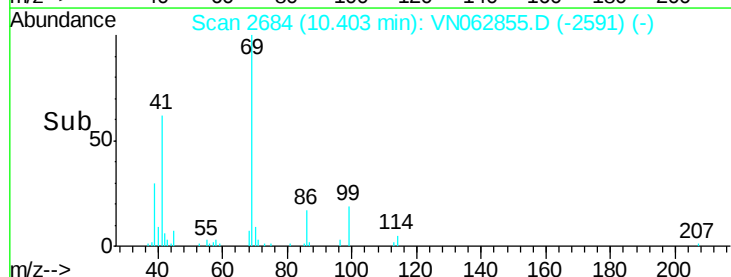
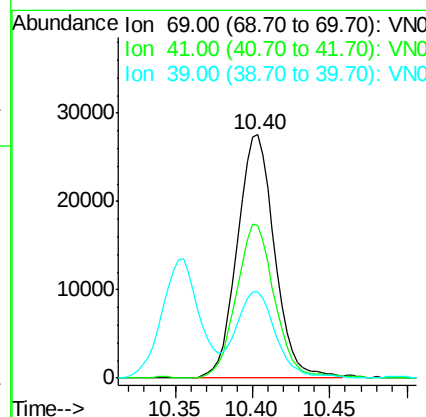
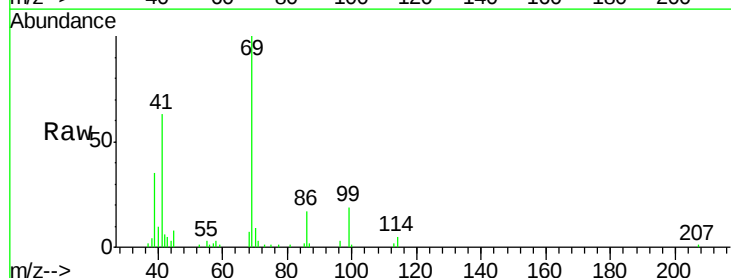
RT: 10.40 min Scan# 2684

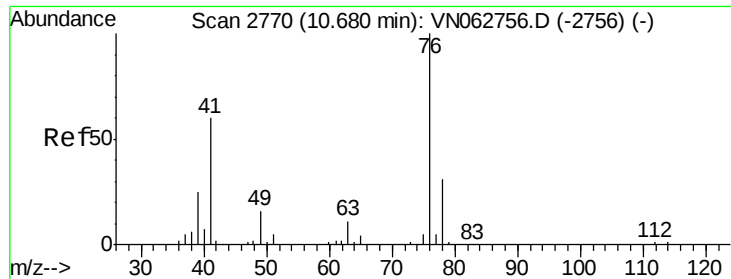
Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Tgt Ion:	69	Resp:	46214
Ion	Ratio	Lower	Upper
69	100		
41	65.0	52.2	78.2
39	34.6	30.9	46.3





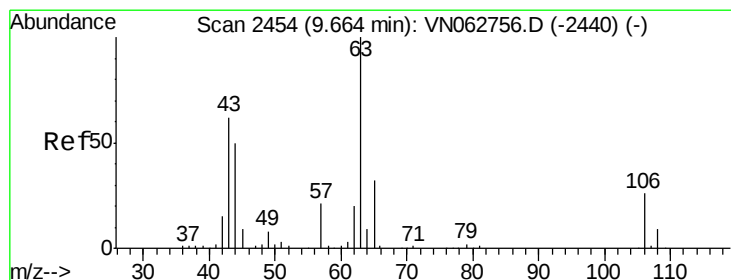
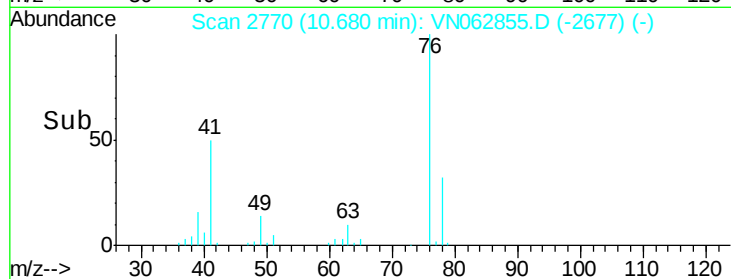
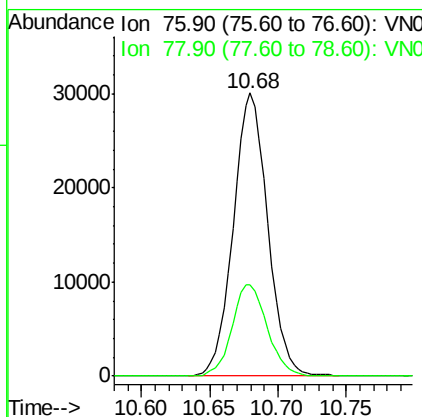
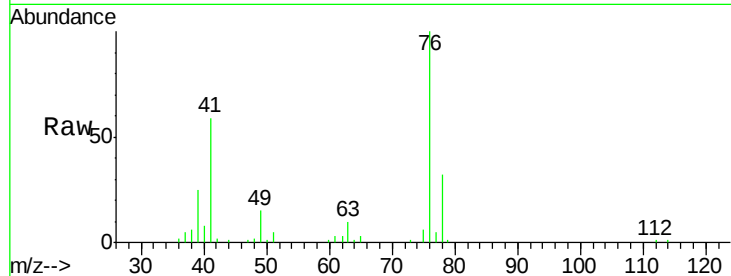
#57
 1,3-Dichloropropane
 Concen: 17.865 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. -0.00 min
 Lab File: VN062855.D
 Acq: 12 Aug 2020 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD01

Tot Ion: 76 Resp: 52571
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.4 38.0

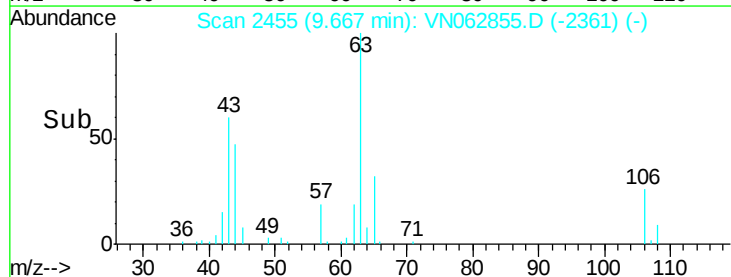
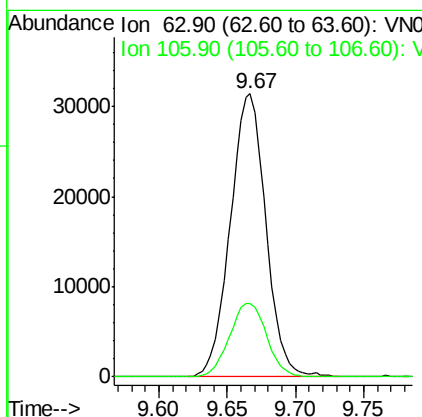
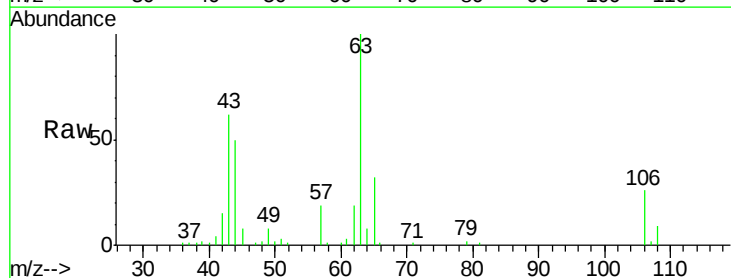
Manual Integrations
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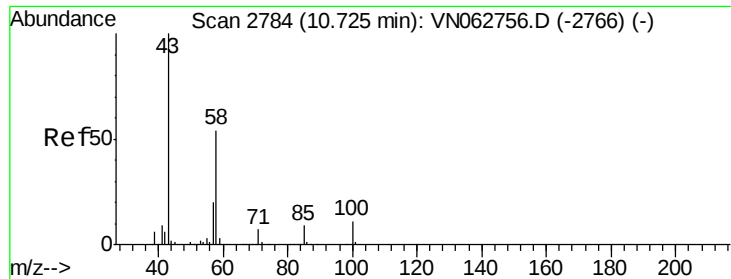
MMDadoda
 8/13/2020 10:57:09 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 77.038 ug/l
 RT: 9.67 min Scan# 2455
 Delta R.T. 0.00 min
 Lab File: VN062855.D
 Acq: 12 Aug 2020 14:06

Tgt Ion: 63 Resp: 56766
 Ion Ratio Lower Upper
 63 100
 106 27.1 20.9 31.3





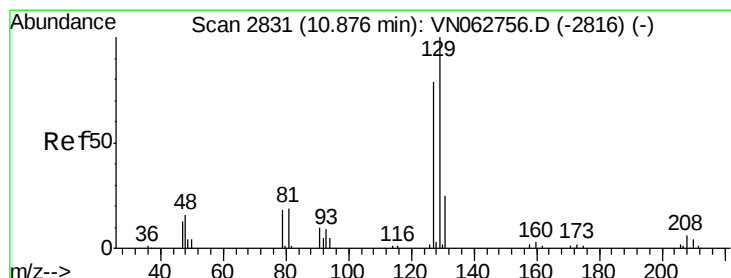
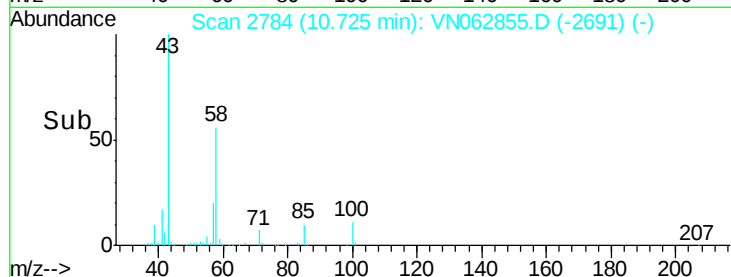
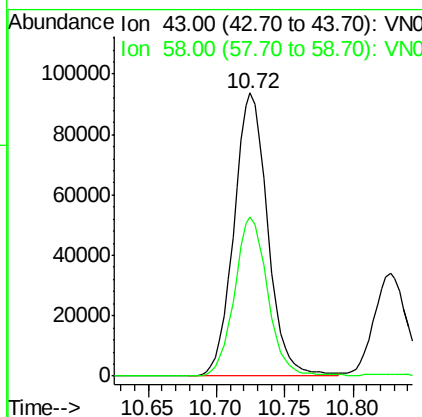
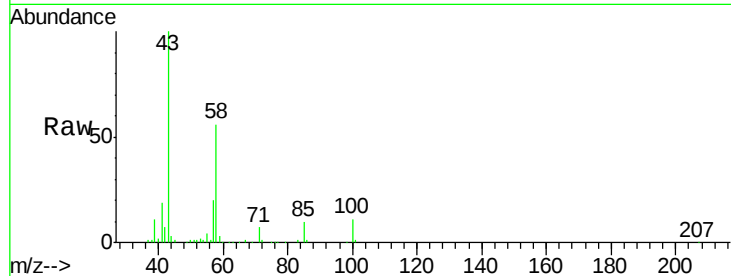
#59
2-Hexanone
Concen: 86.965 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. -0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.2	26.7	80.1

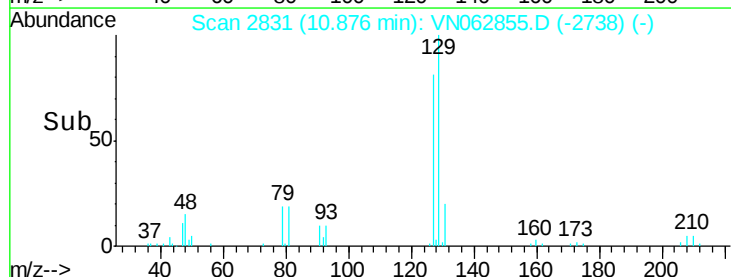
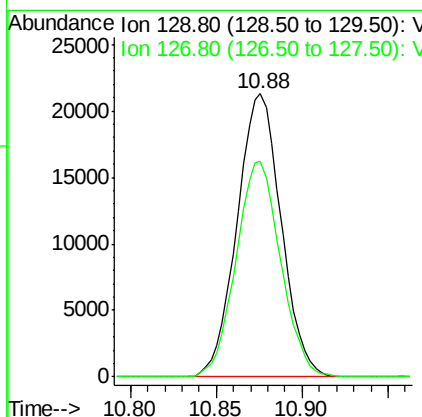
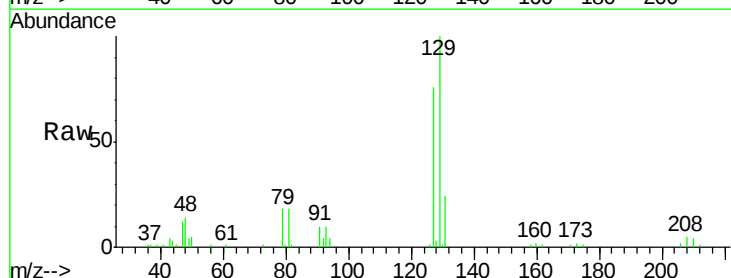
Manual Integrations
APPROVED

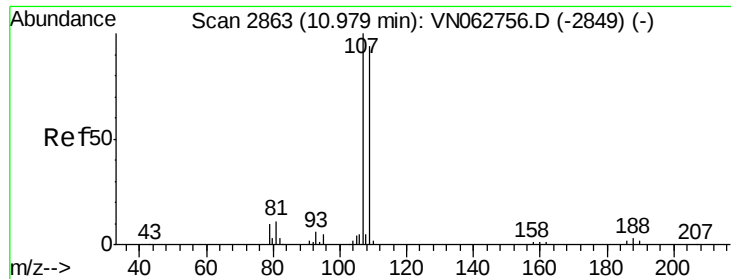
MMDadoda
8/13/2020 10:57:09 AM



#60
Dibromochloromethane
Concen: 19.170 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. -0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.7	39.1	117.2





#61

1,2-Dibromoethane

Concen: 18.965 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD01

Tot Ion:107 Resp: 32411

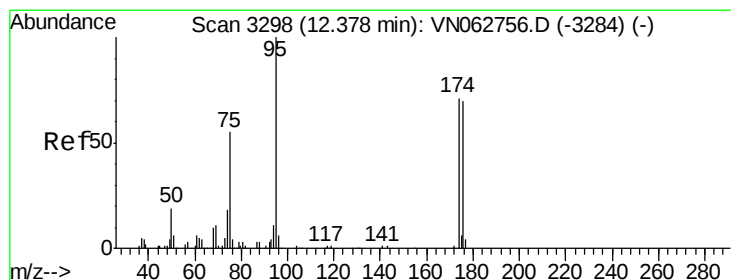
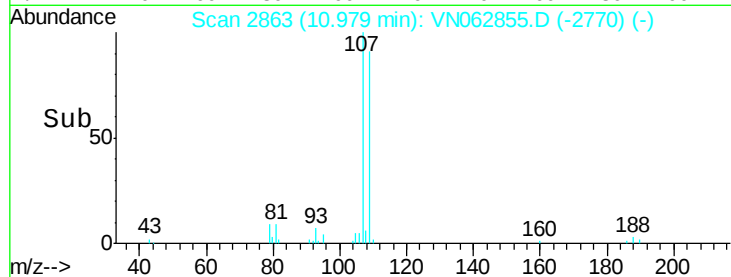
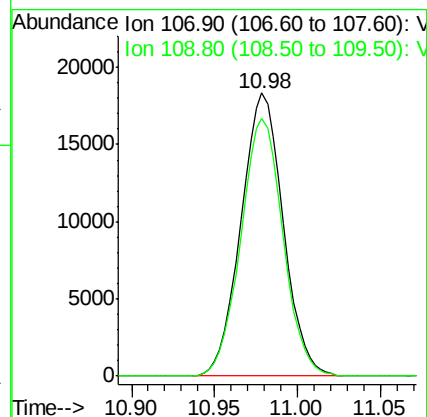
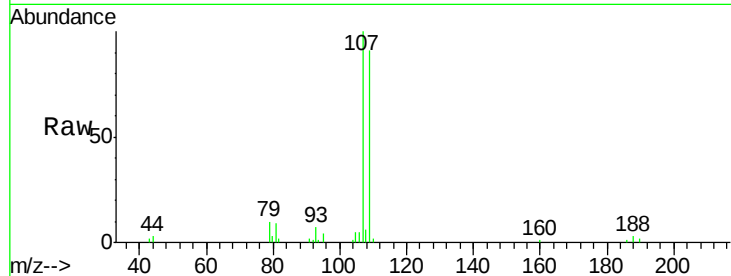
Ion Ratio Lower Upper

107 100

109 90.9 76.1 114.1

Manual Integrations
APPROVED

MMDadoda
8/13/2020 10:57:09 AM



#62

4-Bromofluorobenzene

Concen: 46.533 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

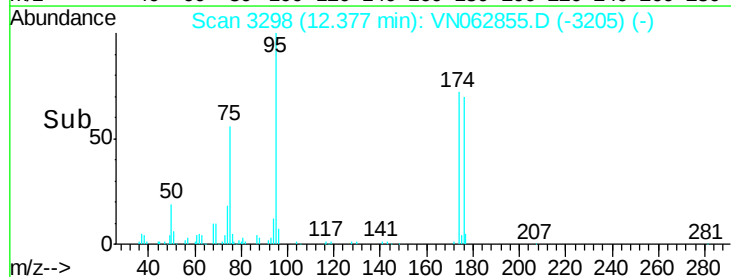
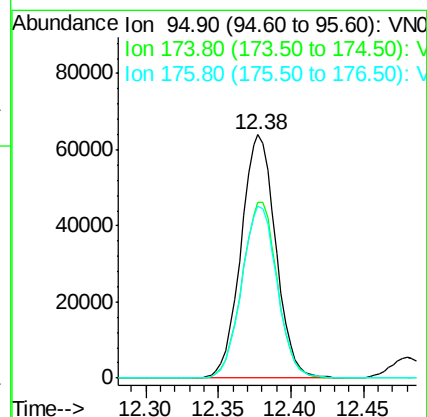
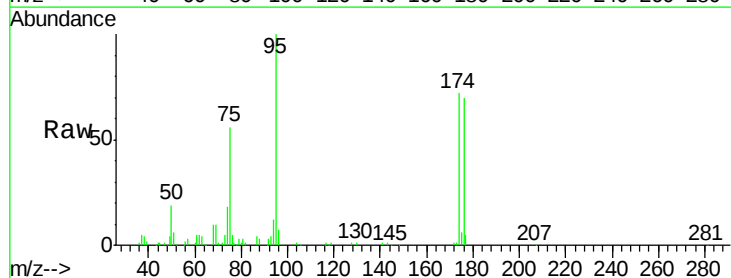
Tgt Ion: 95 Resp: 106154

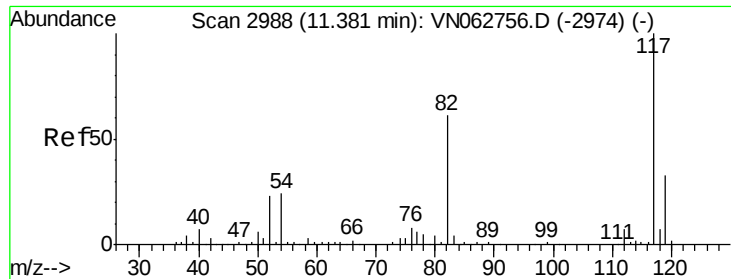
Ion Ratio Lower Upper

95 100

174 73.7 0.0 144.8

176 72.2 0.0 142.2





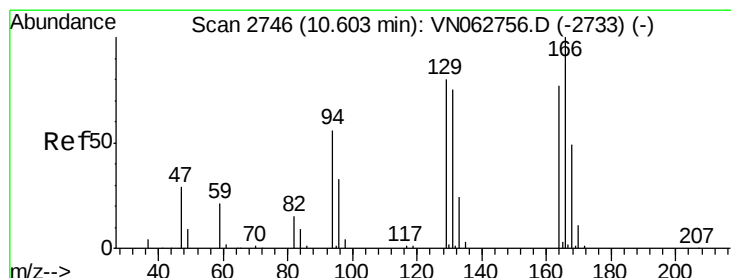
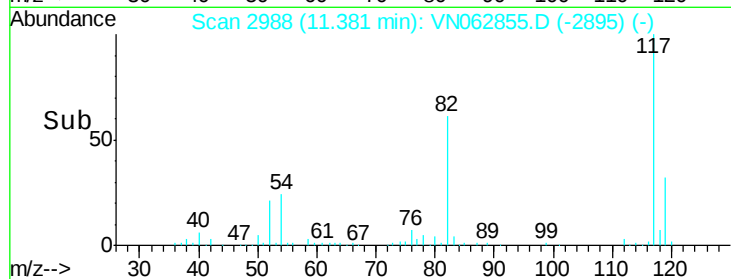
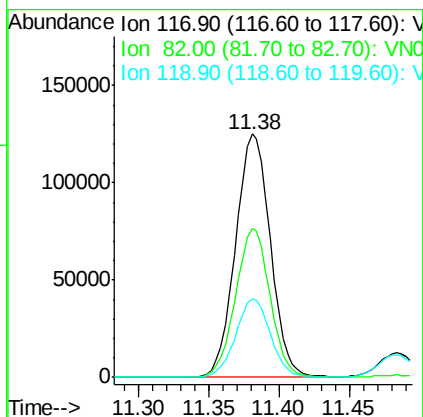
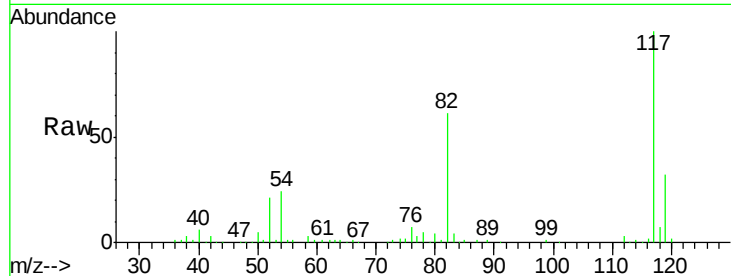
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.4	49.0	73.4
119	32.4	26.2	39.2

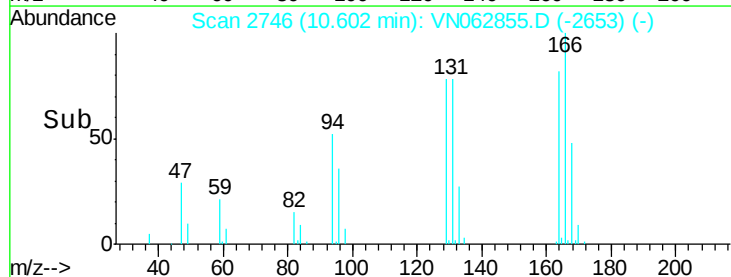
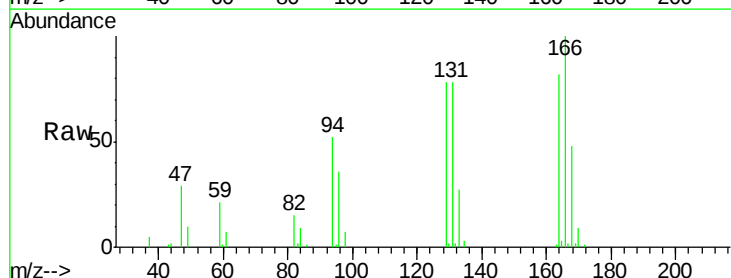
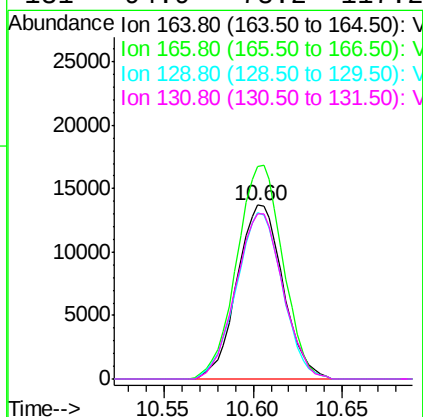
Manual Integrations
APPROVED

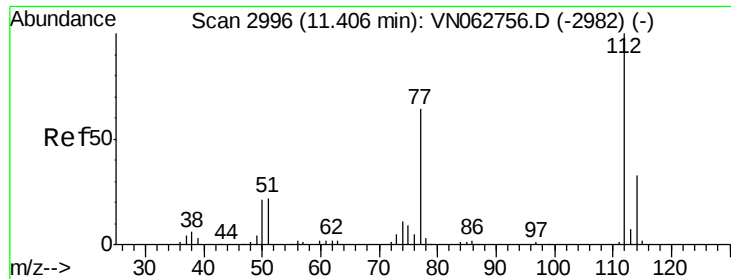
MMDadoda
8/13/2020 10:57:09 AM



#64
Tetrachloroethene
Concen: 17.619 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.2	103.8	155.8
129	95.6	82.7	124.1
131	94.9	78.2	117.2





#65

Chlorobenzene

Concen: 17.433 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD01

Tot Ion:112 Resp: 79149

Ion Ratio Lower Upper

112 100

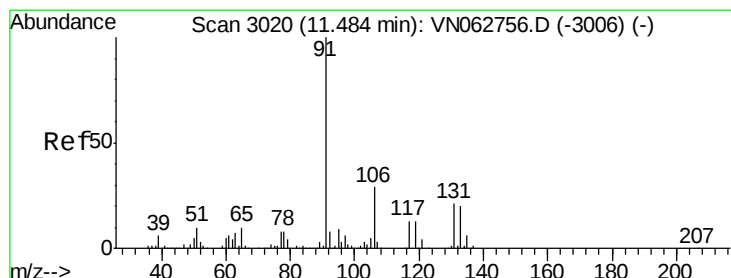
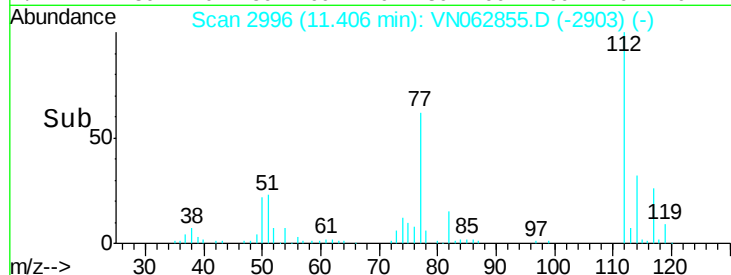
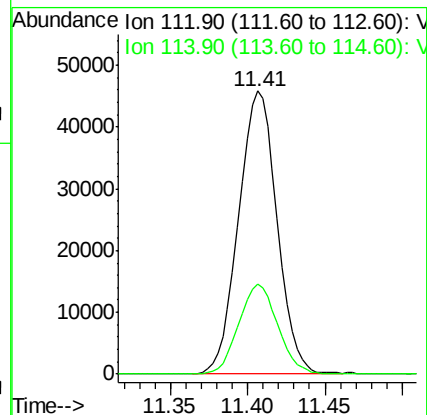
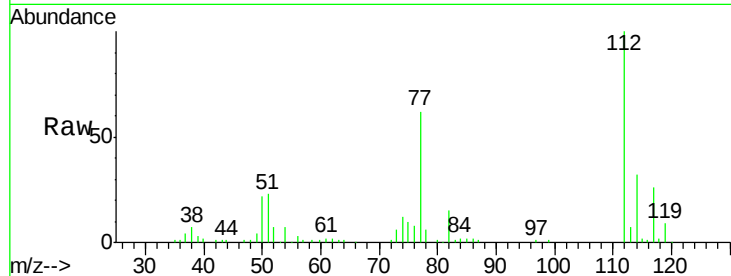
114 31.7 26.2 39.4

Manual Integrations

APPROVED

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#66

1,1,1,2-Tetrachloroethane

Concen: 18.409 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

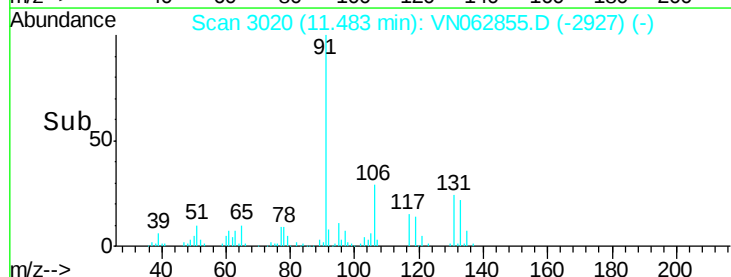
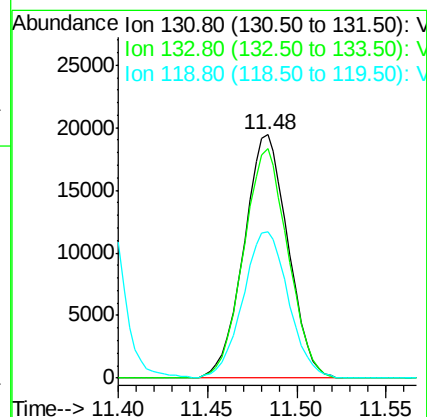
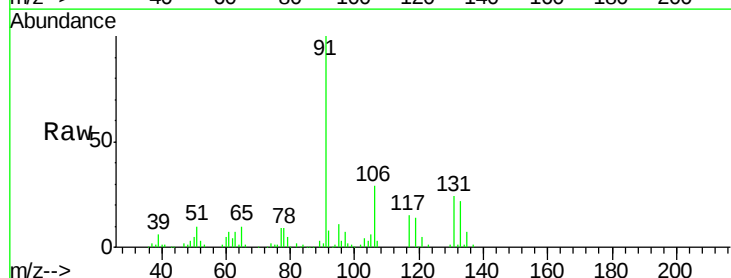
Tgt Ion:131 Resp: 33565

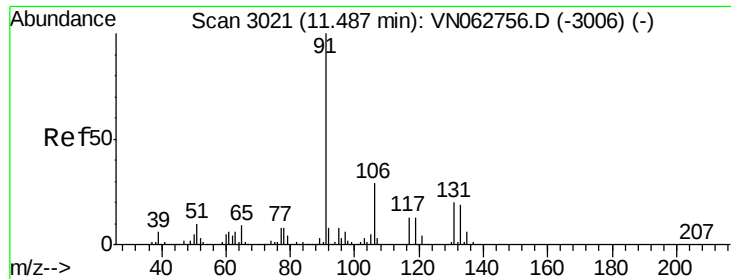
Ion Ratio Lower Upper

131 100

133 94.9 48.6 145.8

119 62.1 32.2 96.6





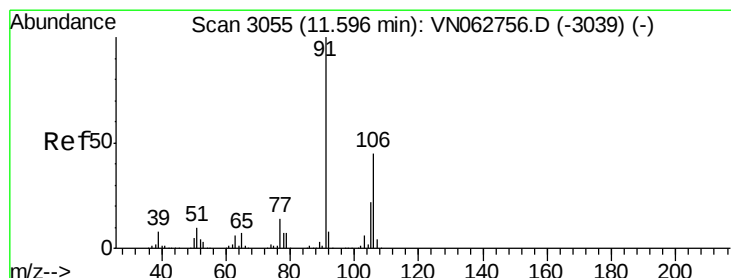
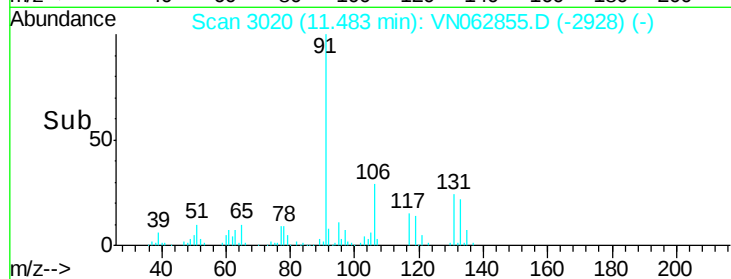
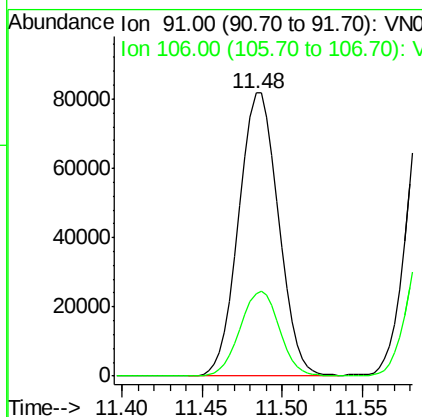
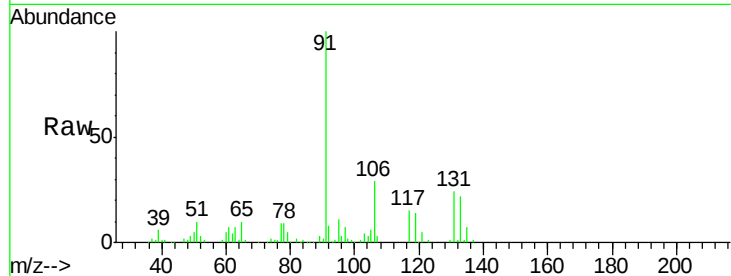
#67
Ethyl Benzene
Concen: 17.144 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		139292		
106	29.3	23.2	34.8		

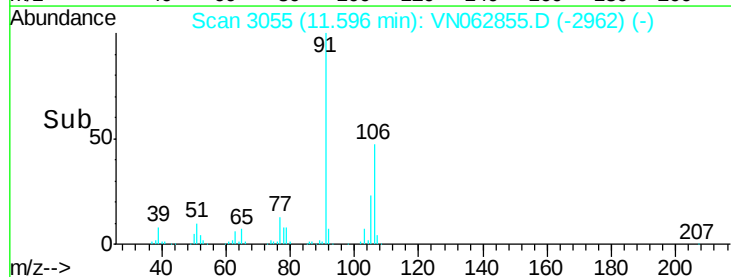
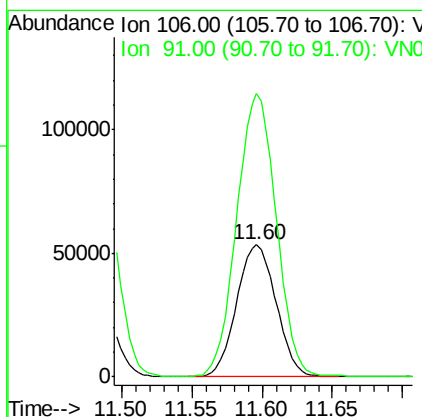
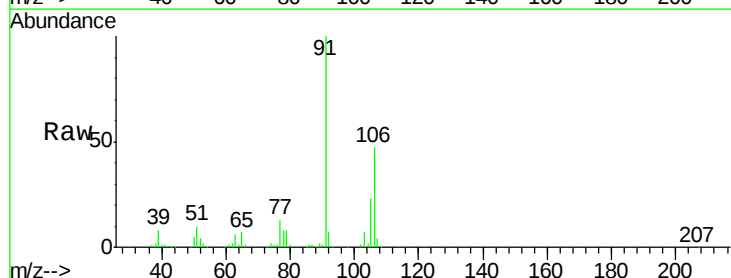
Manual Integrations
APPROVED

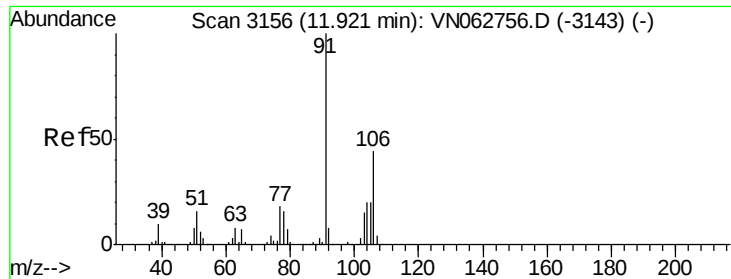
MMDadoda
8/13/2020 10:57:09 AM



#68
m/p-Xylenes
Concen: 35.716 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. -0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		105337		
91	212.8	175.9	263.9		





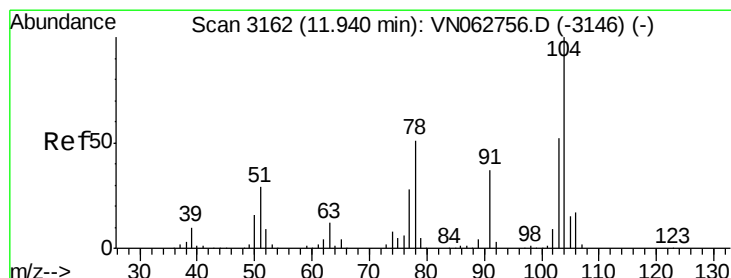
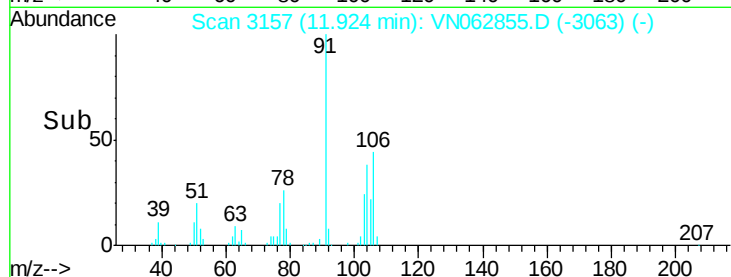
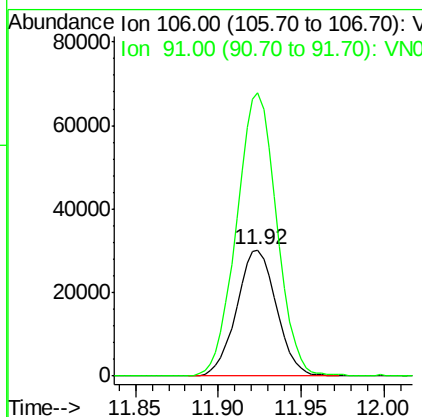
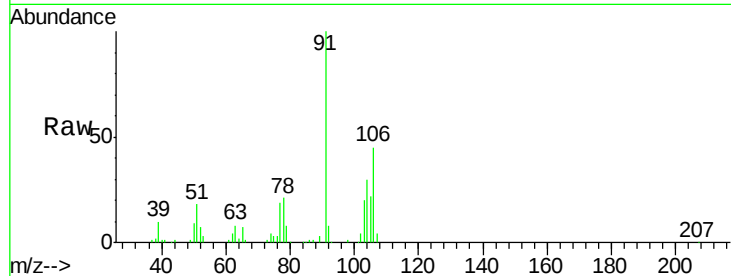
#69
o-Xylene
Concen: 18.217 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	226.4	115.8	347.4

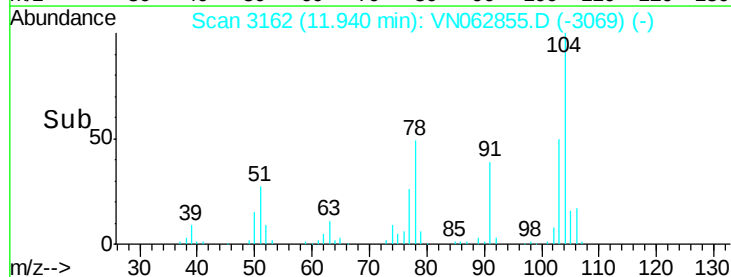
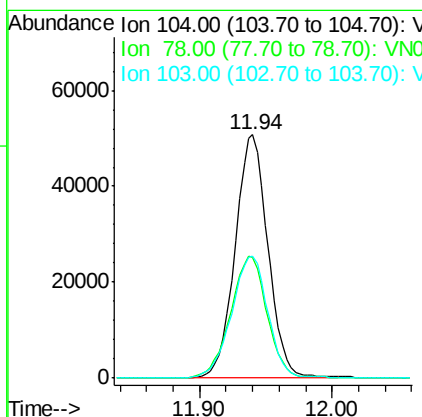
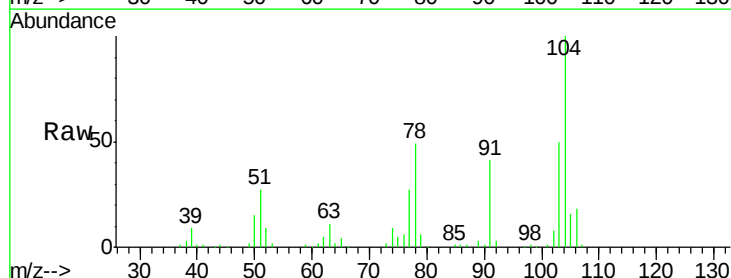
Manual Integrations
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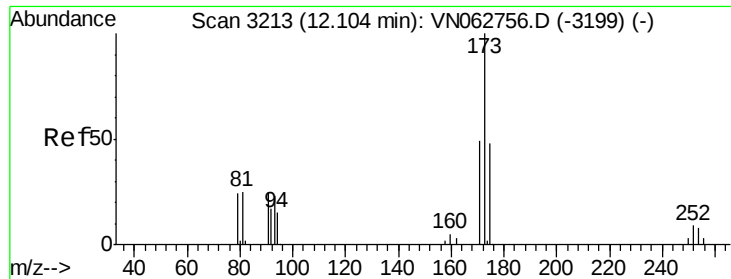
MMDadoda
8/13/2020 10:57:09 AM



#70
Styrene
Concen: 17.945 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Tgt Ion	Ratio	Lower	Upper
104	100		
78	55.2	45.9	68.9
103	55.7	45.1	67.7





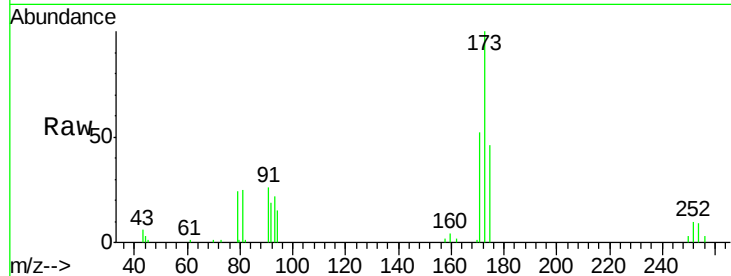
#71
Bromoform
Concen: 17.992 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. -0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.6	24.0	72.0
254	0.0	0.0	0.0

Manual Integrations
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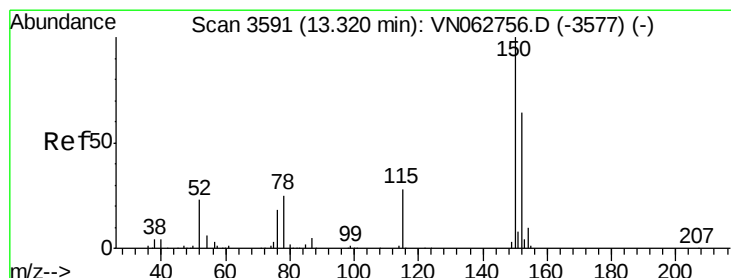
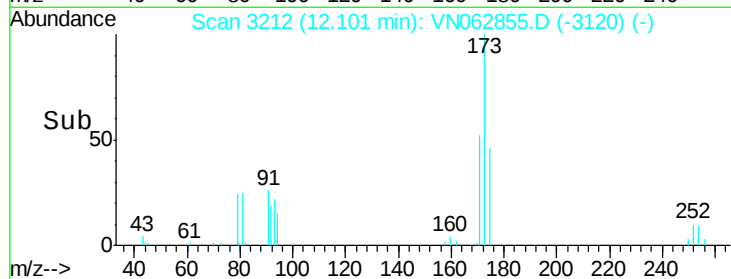
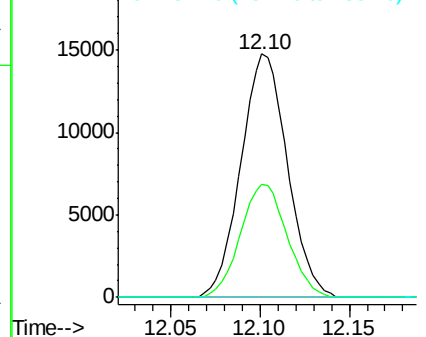


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. -0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

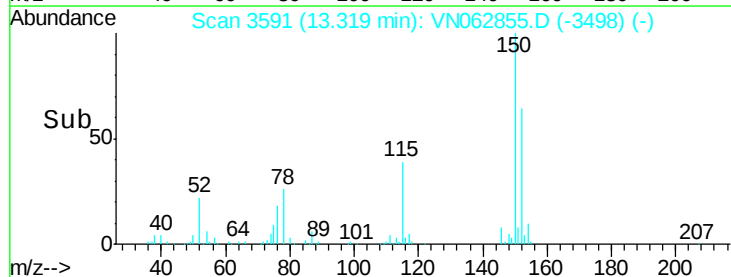
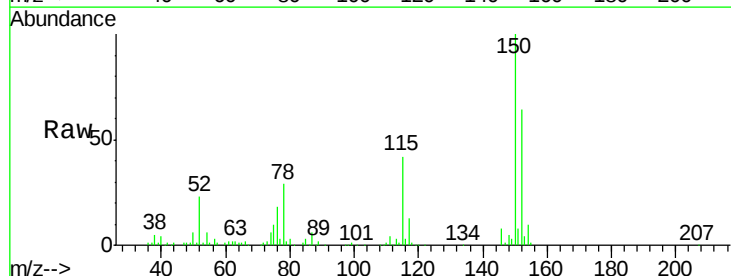
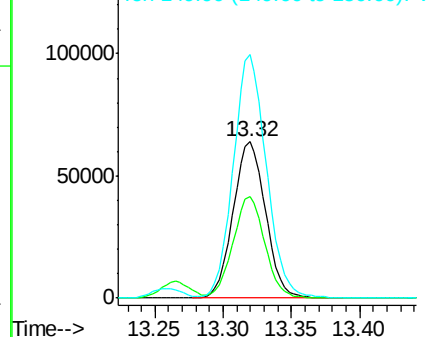
Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.9	31.6	94.8
150	158.5	0.0	349.2

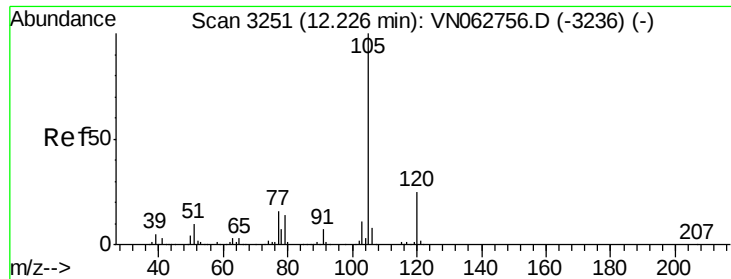
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 17.244 ug/l

RT: 12.23 min Scan# 3251

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD01

Tot Ion:105 Resp: 137040

Ion Ratio Lower Upper

105 100

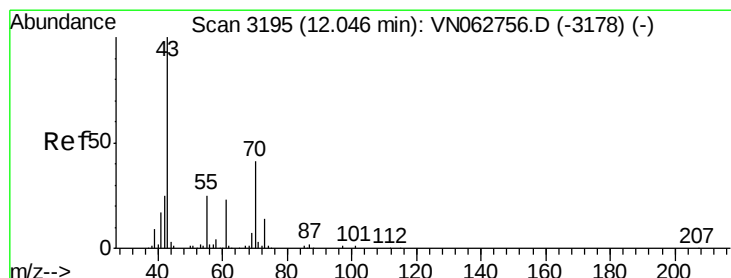
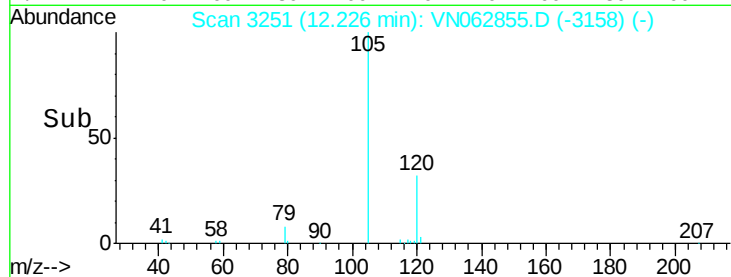
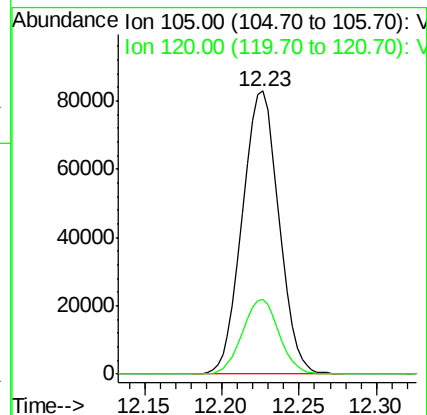
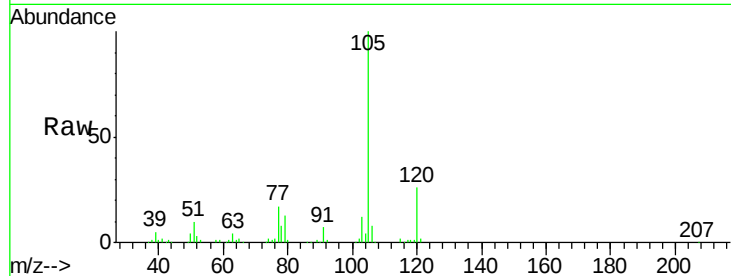
120 26.2 12.6 37.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 17.060 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Tgt Ion: 43 Resp: 54945

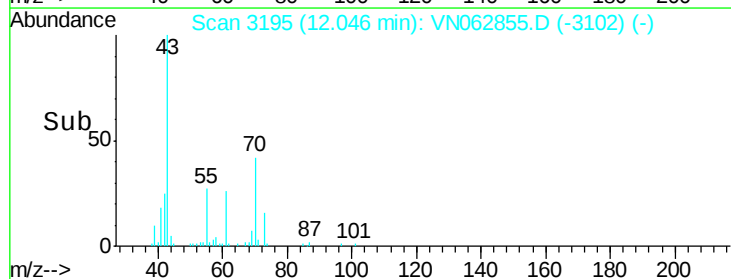
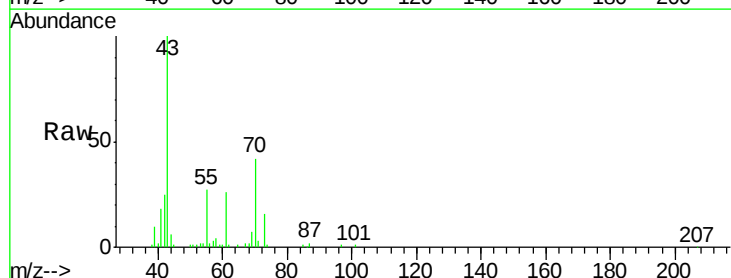
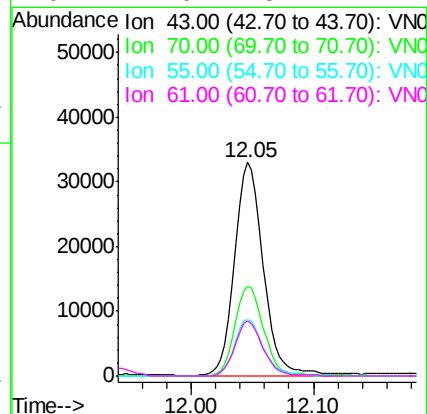
Ion Ratio Lower Upper

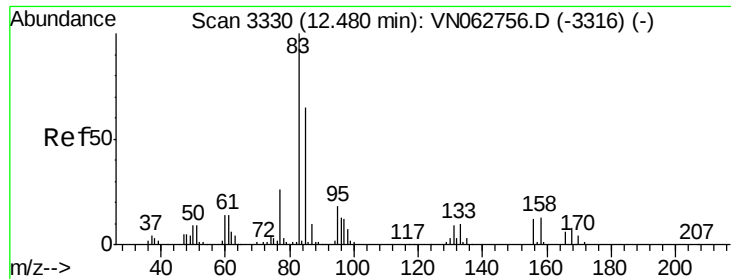
43 100

70 41.3 32.3 48.5

55 26.1 20.2 30.2

61 24.6 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 17.583 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Instrument :

MSVOA_N

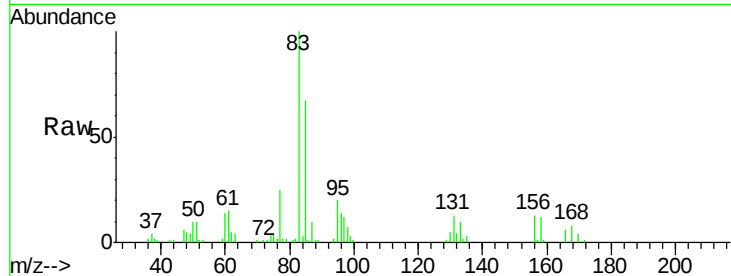
ClientSampleId :

VN0812WBSD01

Tot Ion:	83	Resp:	49190
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.1	15.4
85	64.3	31.9	95.9

Manual Integrations
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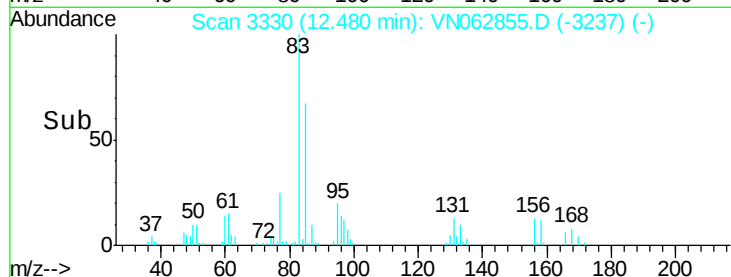


Abundance Ion 82.90 (82.60 to 83.60): VN062855.D (-3237) (-)

Ion 130.80 (130.50 to 131.50): VN062855.D (-3237) (-)

Ion 84.90 (84.60 to 85.60): VN062855.D (-3237) (-)

Time--> 12.40 12.45 12.50

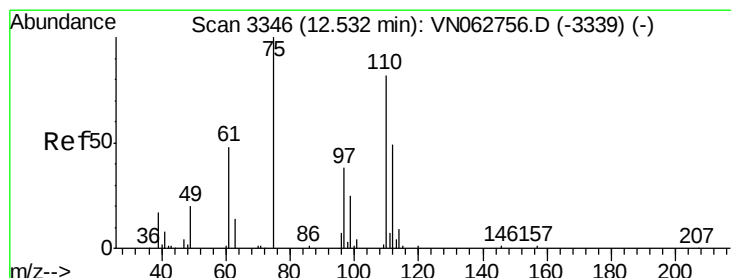


Abundance Ion 82.90 (82.60 to 83.60): VN062855.D (-3237) (-)

Ion 130.80 (130.50 to 131.50): VN062855.D (-3237) (-)

Ion 84.90 (84.60 to 85.60): VN062855.D (-3237) (-)

Time--> 12.40 12.45 12.50



#76

1,2,3-Trichloropropane

Concen: 17.519 ug/l m

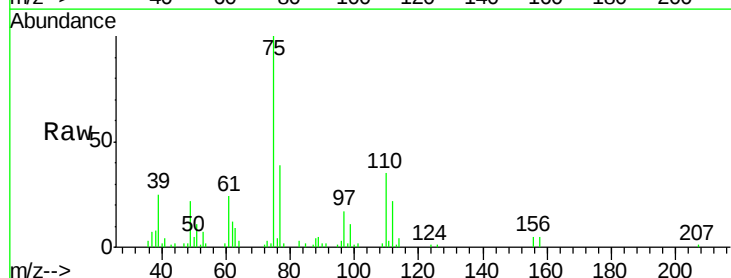
RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

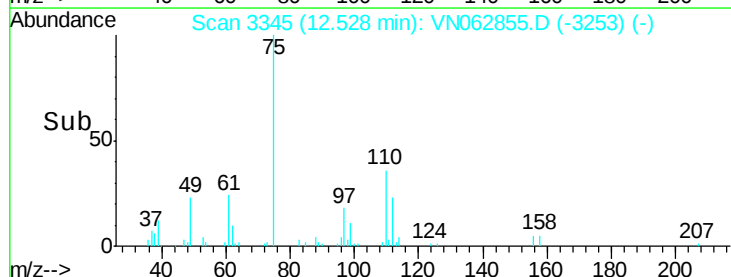
Tgt Ion:	75	Resp:	49866
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN062855.D (-3253) (-)

Ion 77.00 (76.70 to 77.70): VN062855.D (-3253) (-)

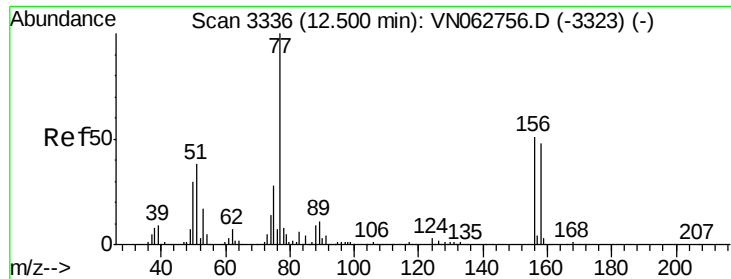
Time--> 12.50 12.55



Abundance Ion 74.90 (74.60 to 75.60): VN062855.D (-3253) (-)

Ion 77.00 (76.70 to 77.70): VN062855.D (-3253) (-)

Time--> 12.50 12.55



#77

Bromobenzene

Concen: 17.658 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD01

Tot Ion:156 Resp: 34868

Ion Ratio Lower Upper

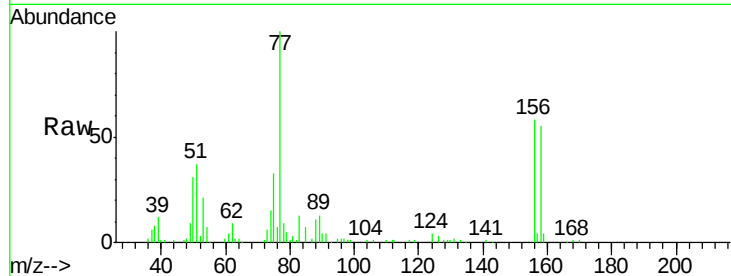
156 100

77 225.3 119.7 359.1

158 96.4 48.1 144.3

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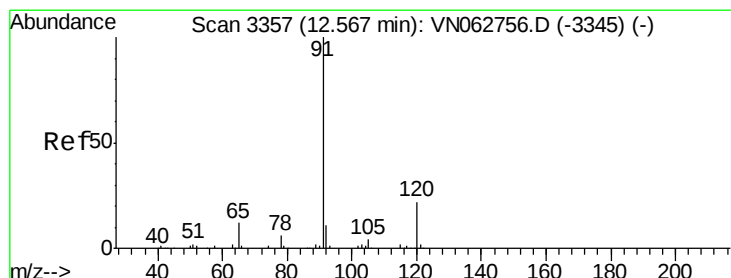
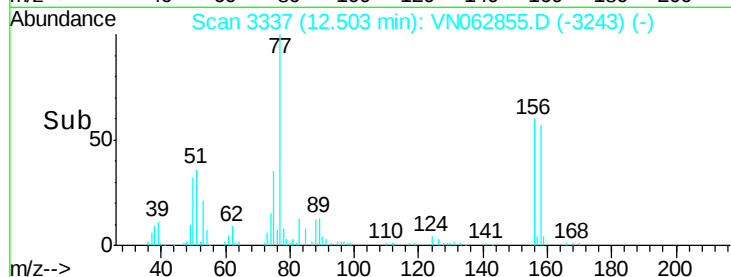
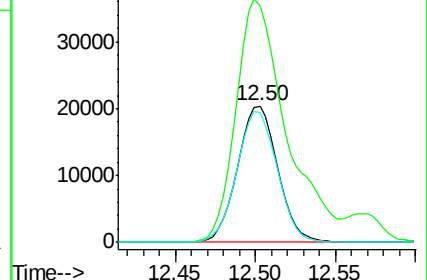
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 16.983 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN062855.D

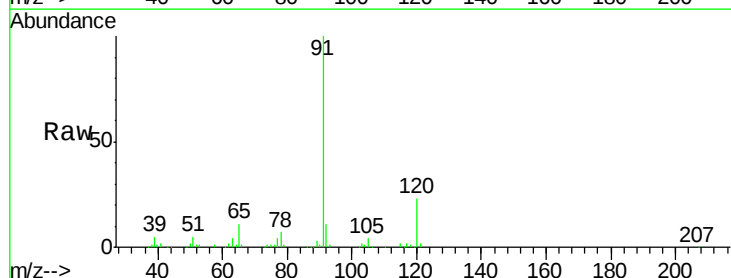
Acq: 12 Aug 2020 14:06

Tgt Ion: 91 Resp: 158437

Ion Ratio Lower Upper

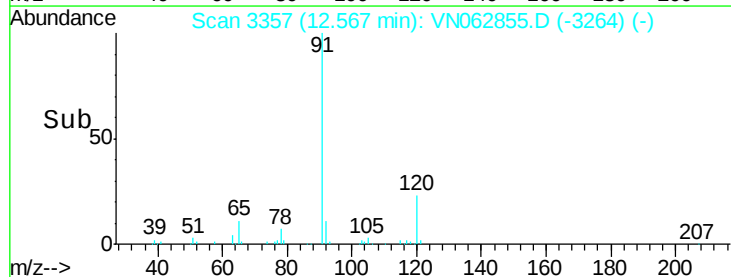
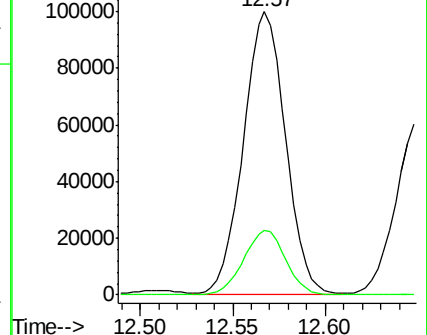
91 100

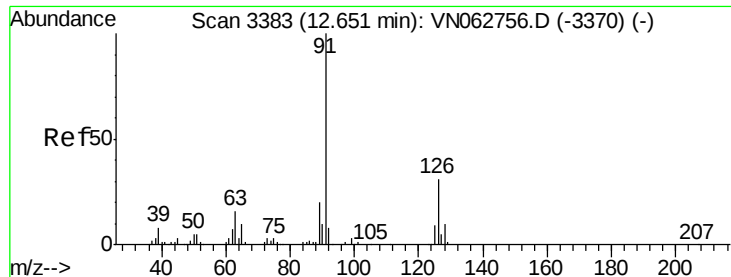
120 22.8 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.573 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD01

Tot Ion: 91 Resp: 102805

Ion Ratio Lower Upper

91 100

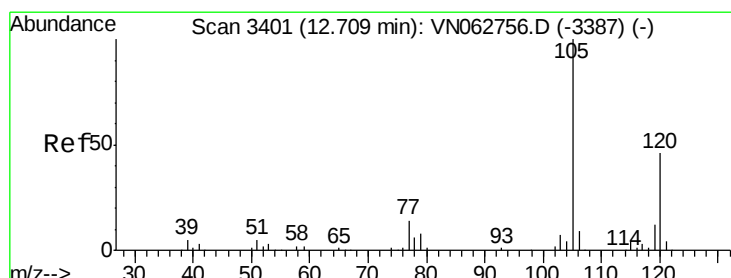
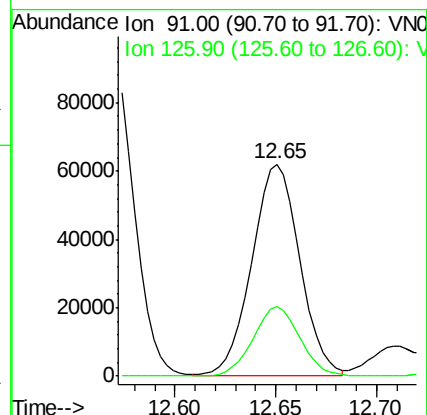
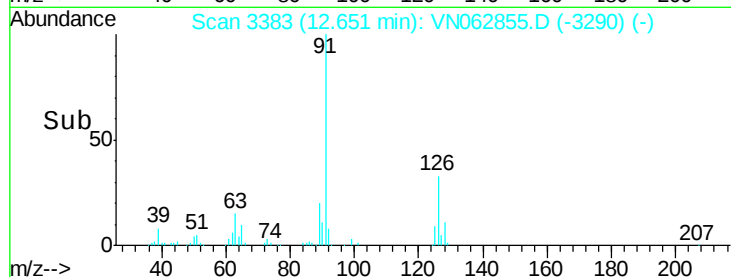
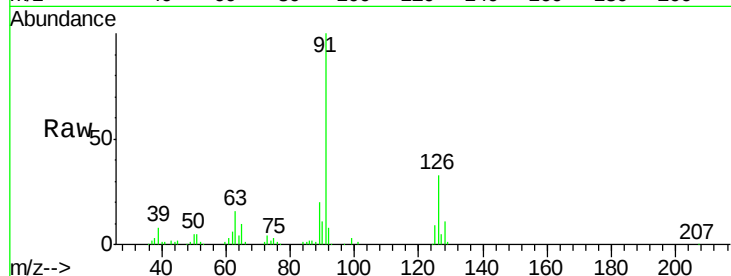
126 32.1 15.6 46.7

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#80

1,3,5-Trimethylbenzene

Concen: 17.986 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062855.D

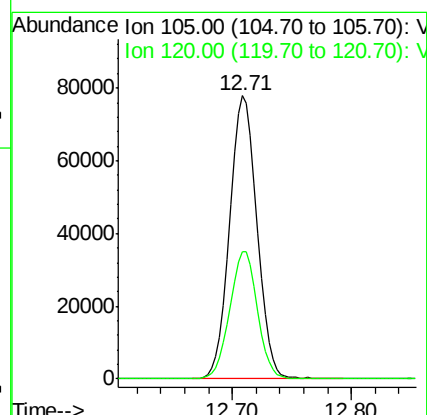
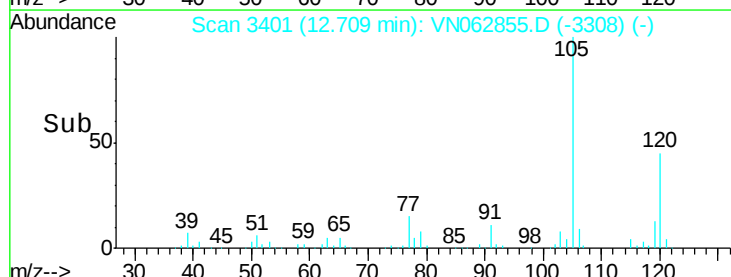
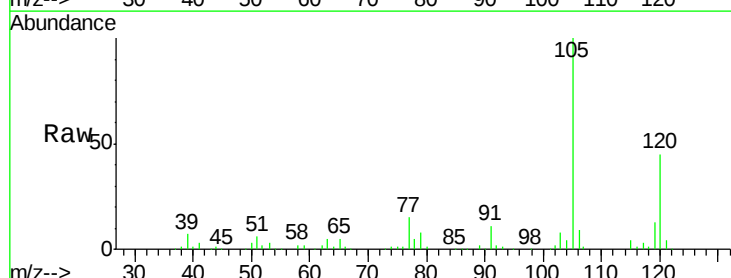
Acq: 12 Aug 2020 14:06

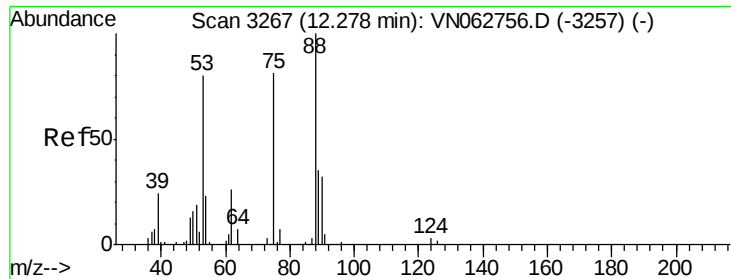
Tgt Ion: 105 Resp: 124005

Ion Ratio Lower Upper

105 100

120 45.6 22.9 68.5





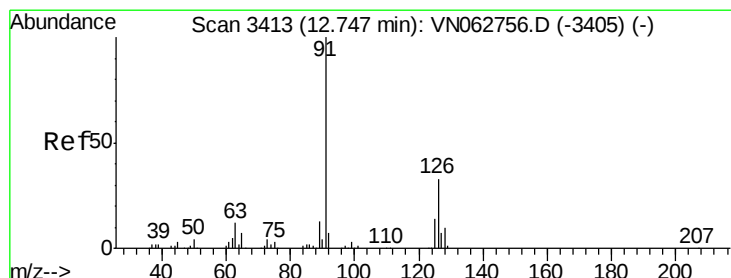
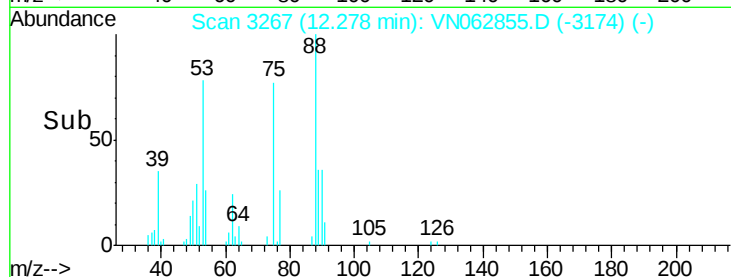
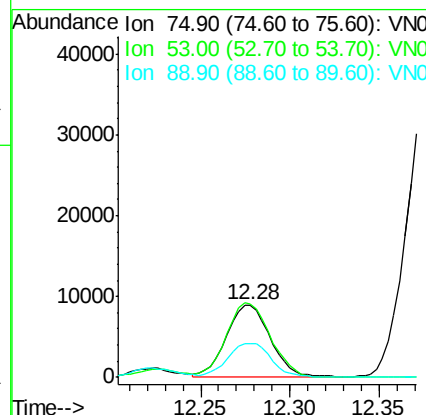
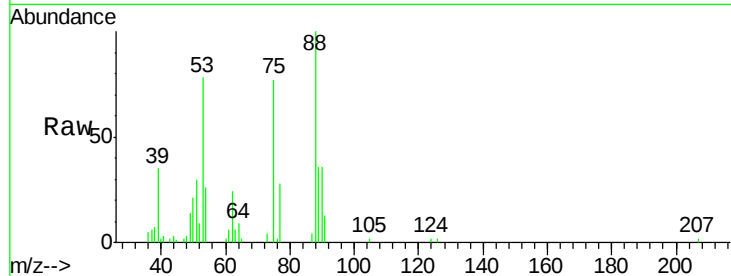
#81
trans-1,4-Dichloro-2-butene
Concen: 16.572 ug/l
RT: 12.28 min Scan# 3267
Delta R.T. -0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.5	79.1	118.7
89	46.3	36.2	54.2

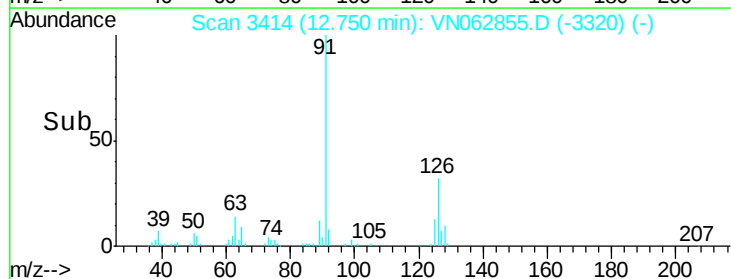
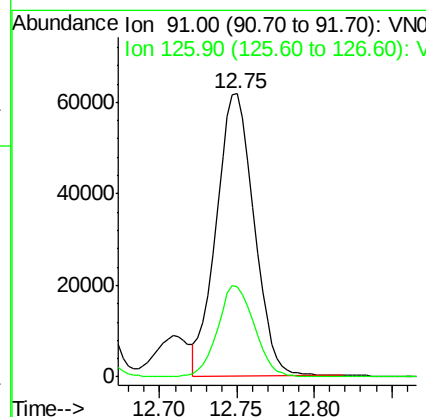
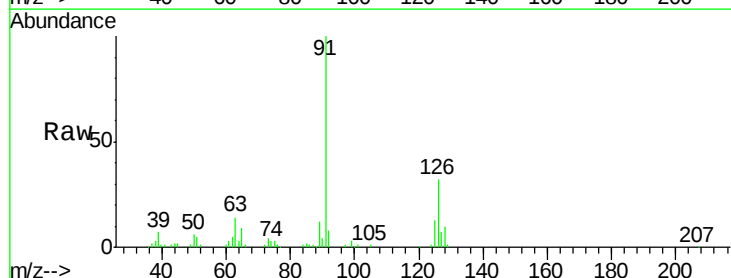
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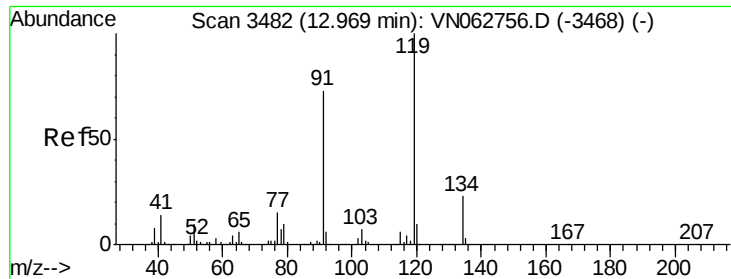
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#82
4-Chlorotoluene
Concen: 17.366 ug/l
RT: 12.75 min Scan# 3414
Delta R.T. 0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.3	45.9





#83

tert-Butylbenzene

Concen: 17.351 ug/l

RT: 12.97 min Scan# 3482

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Instrument :

MSVOA_N

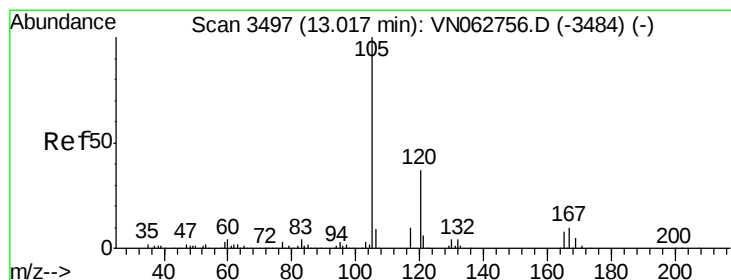
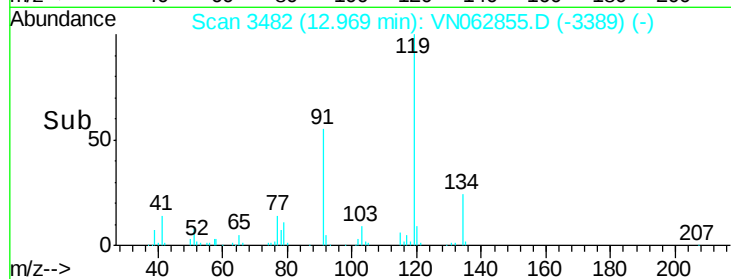
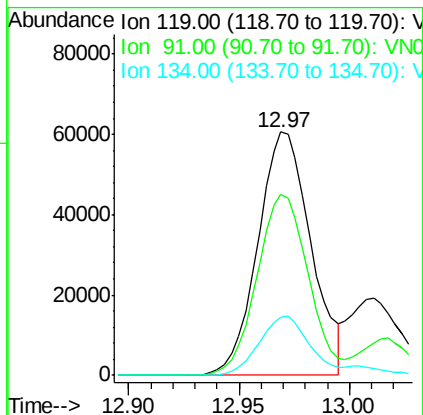
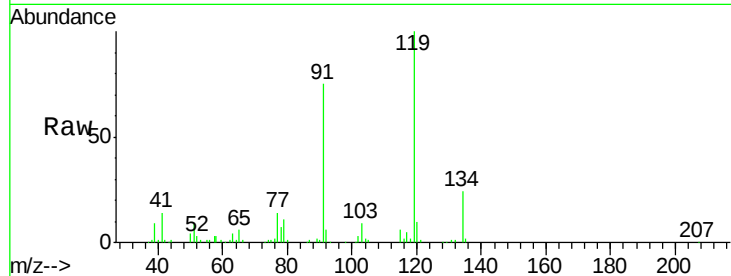
ClientSampleId :

VN0812WBSD01

Tot Ion:	119	Resp:	101225
Ion Ratio	Lower	Upper	
119	100		
91	72.1	36.5	109.5
134	23.2	11.3	33.8

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#84

1,2,4-Trimethylbenzene

Concen: 17.972 ug/l

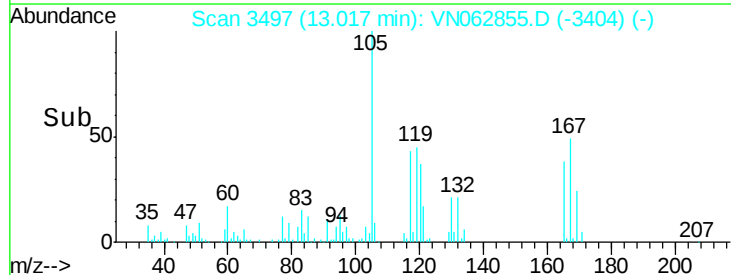
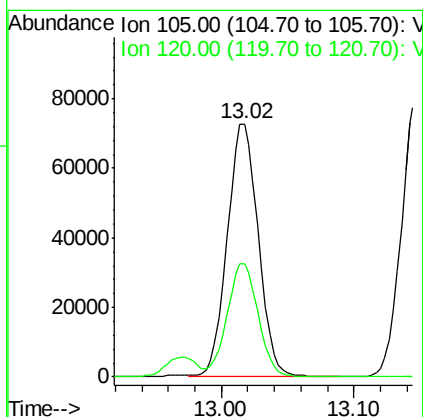
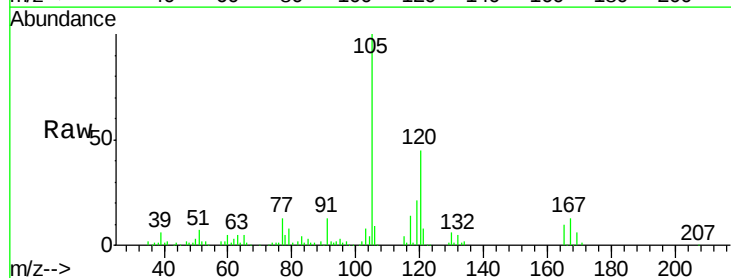
RT: 13.02 min Scan# 3497

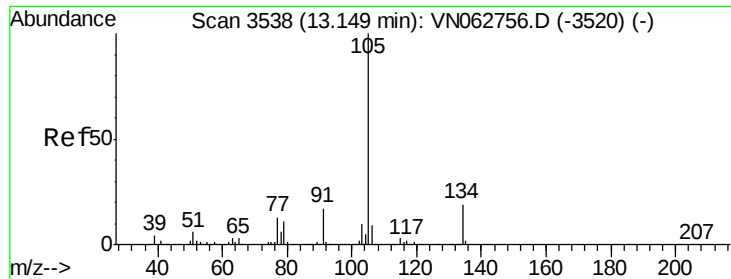
Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Tgt Ion:	105	Resp:	118542
Ion Ratio	Lower	Upper	
105	100		
120	44.5	21.4	64.2





#85

sec-Butylbenzene

Concen: 17.517 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD01

Tot Ion:105 Resp: 134199

Ion Ratio Lower Upper

105 100

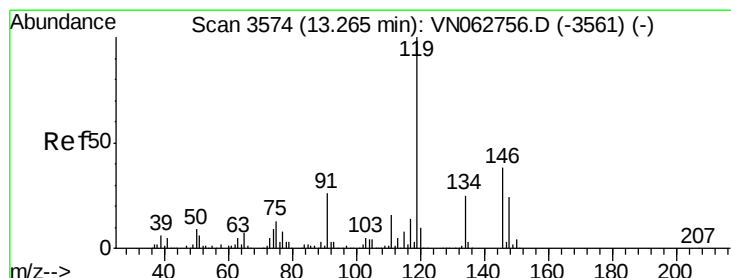
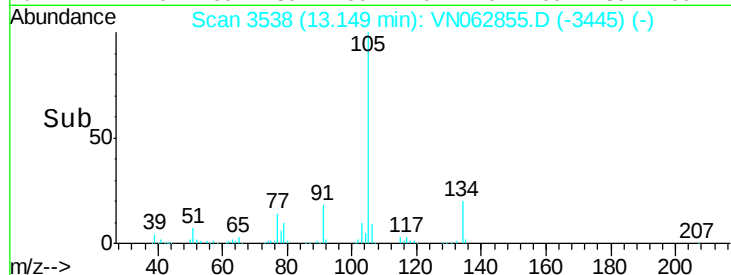
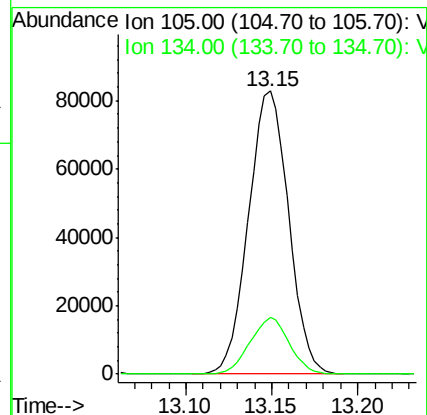
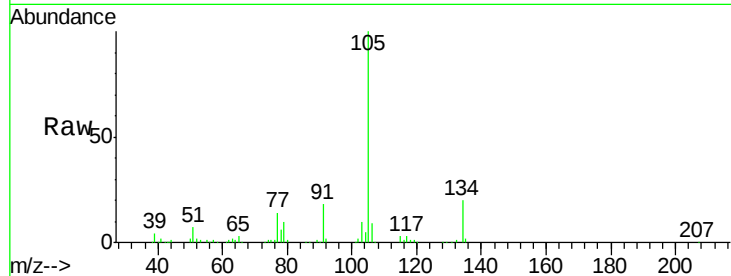
134 19.4 9.6 28.6

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#86

p-Isopropyltoluene

Concen: 17.600 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

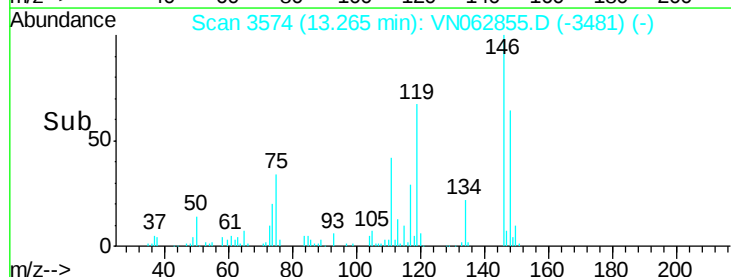
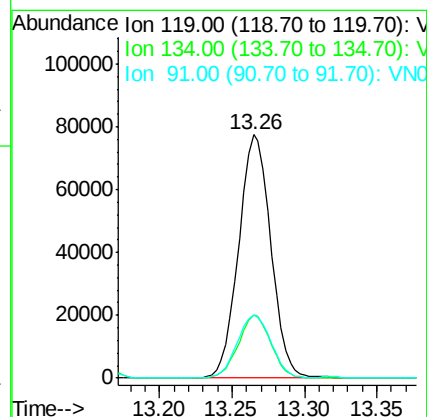
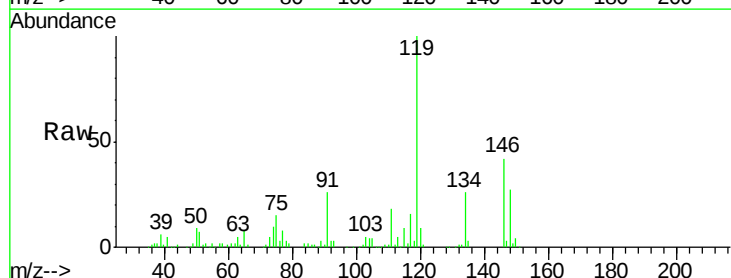
Tgt Ion:119 Resp: 119686

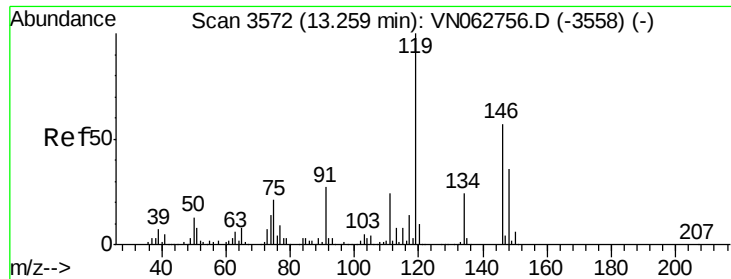
Ion Ratio Lower Upper

119 100

134 26.1 12.6 37.8

91 27.2 13.4 40.2





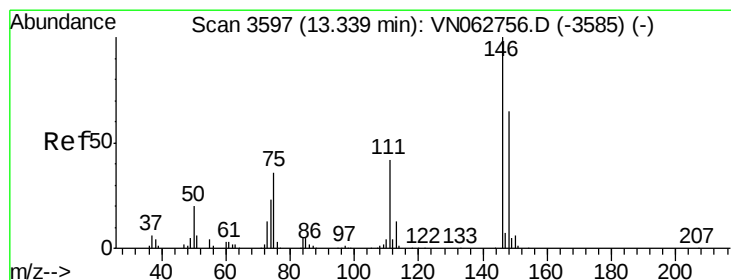
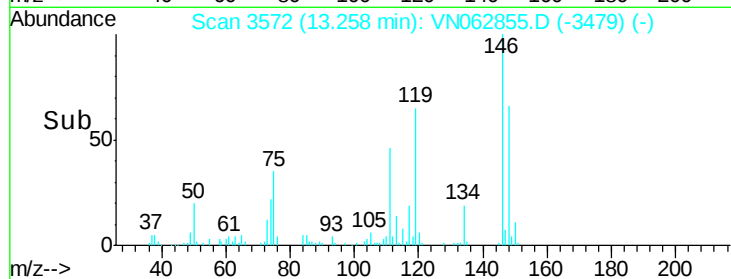
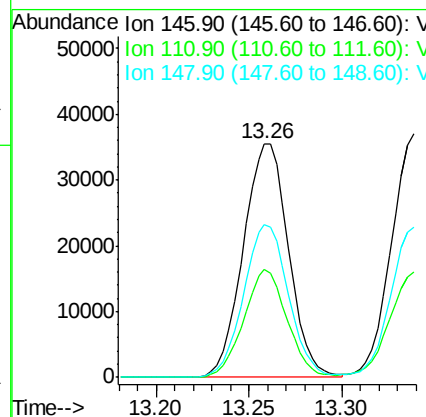
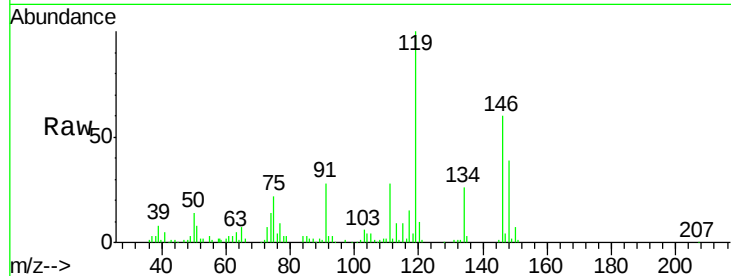
#87
 1,3-Dichlorobenzene
 Concen: 17.028 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062855.D
 Acq: 12 Aug 2020 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.7	65.1
148	64.7	31.4	94.2

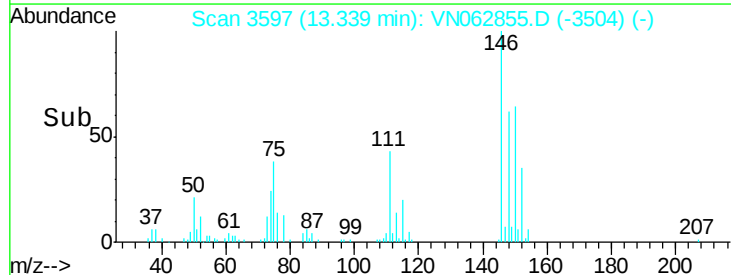
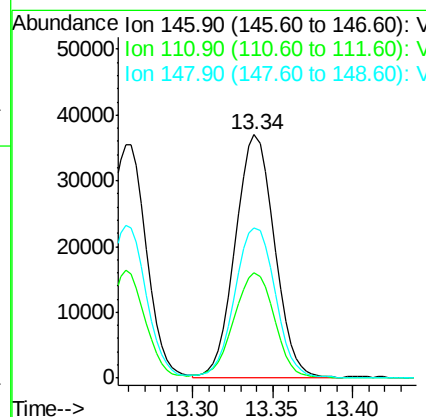
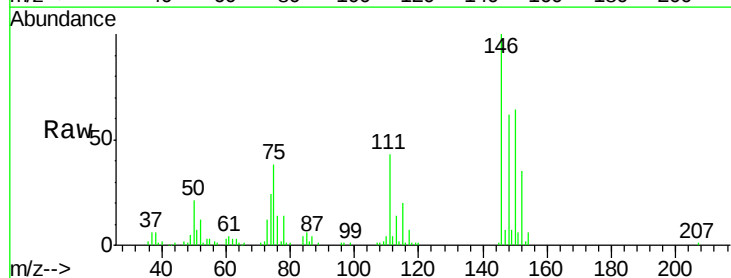
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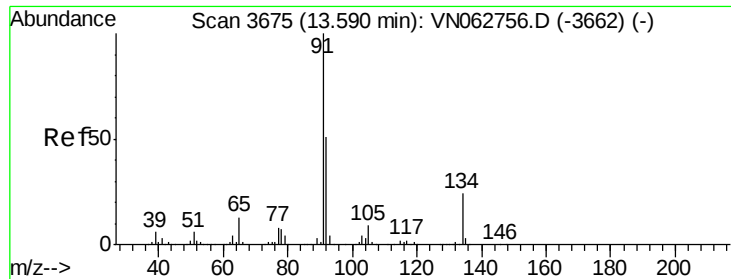
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#88
 1,4-Dichlorobenzene
 Concen: 17.396 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062855.D
 Acq: 12 Aug 2020 14:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.4	21.6	64.6
148	64.3	32.6	97.8





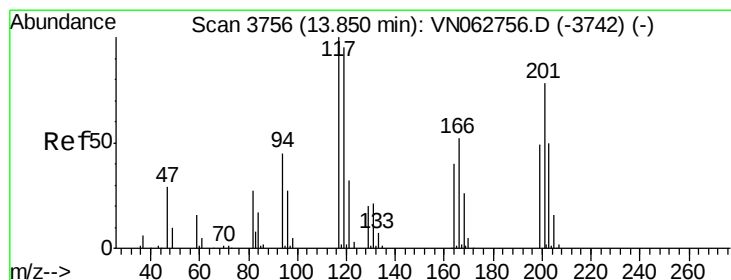
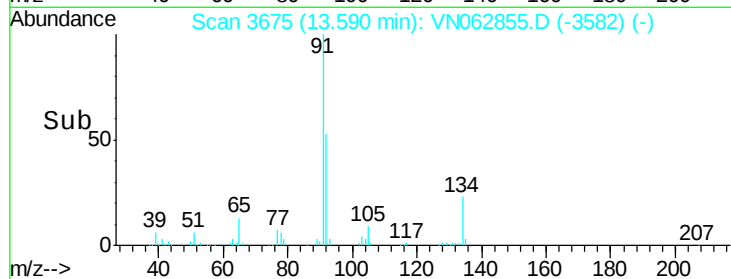
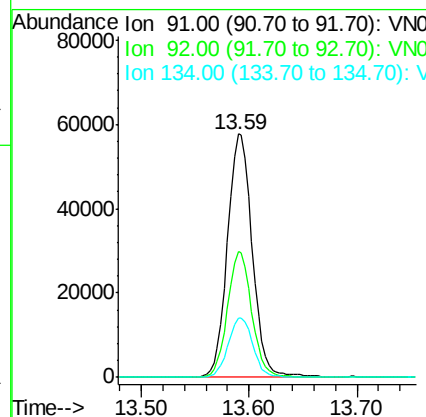
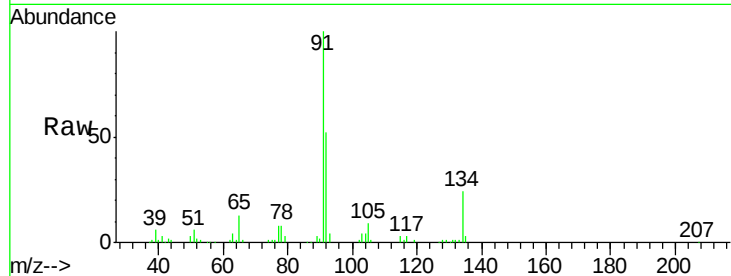
#89
n-Butylbenzene
Concen: 16.149 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.3	25.7	77.0
134	24.1	12.2	36.6

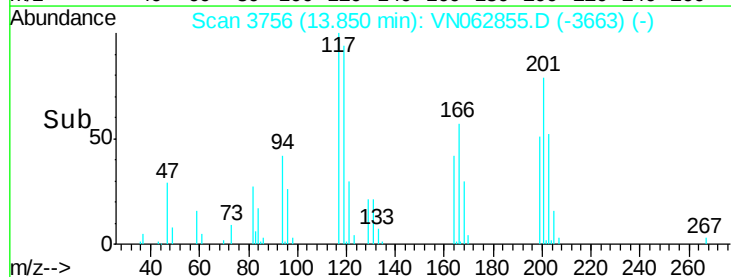
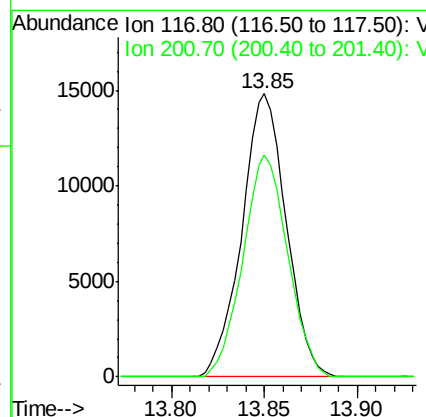
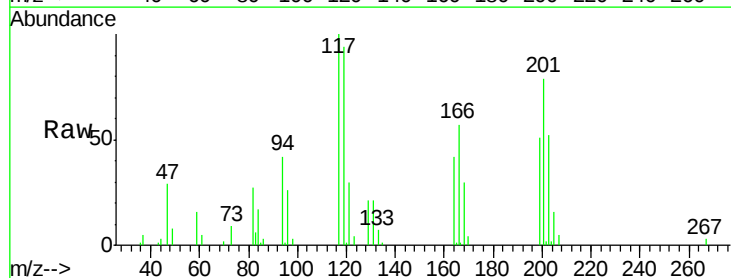
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#90
Hexachloroethane
Concen: 16.788 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.0	39.2	117.6





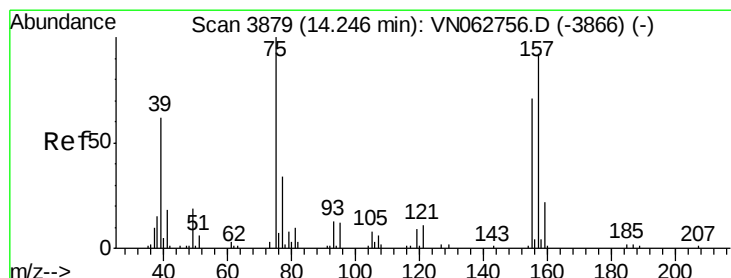
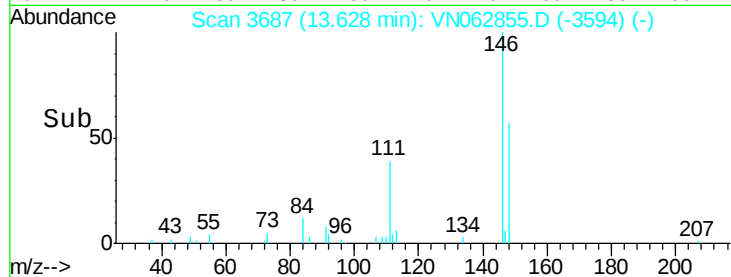
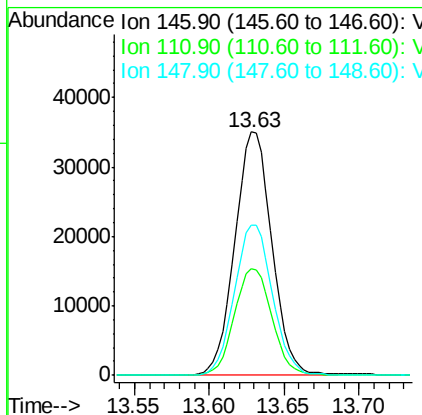
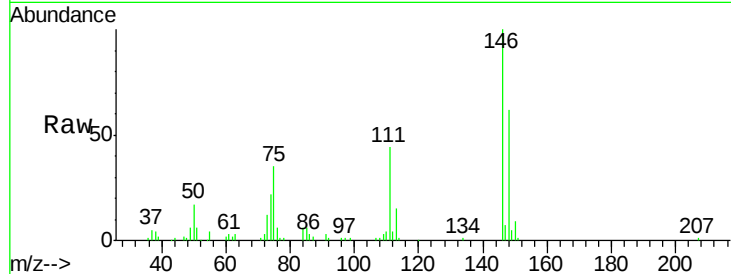
#91
 1,2-Dichlorobenzene
 Concen: 18.299 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062855.D
 Acq: 12 Aug 2020 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.8	68.4
148	63.1	31.9	95.5

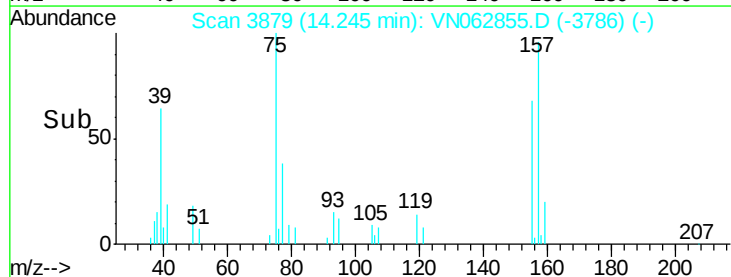
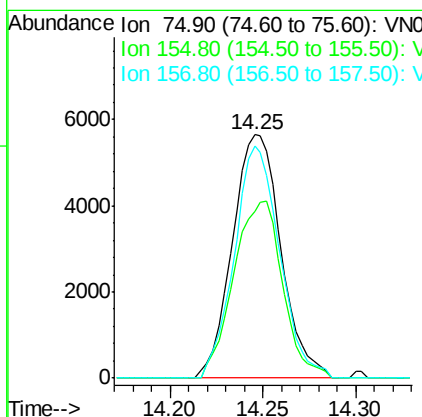
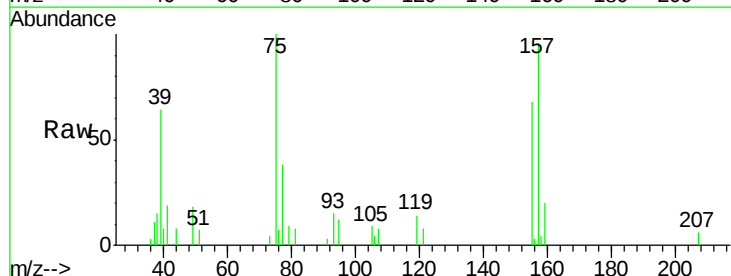
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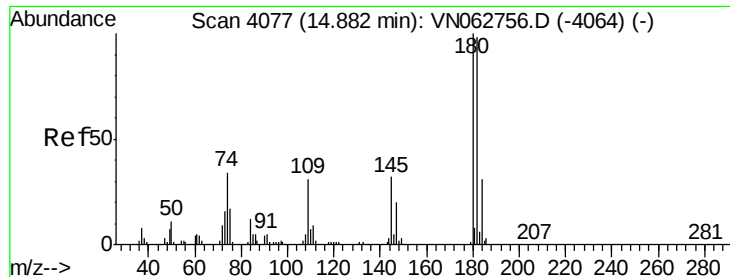
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.066 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN062855.D
 Acq: 12 Aug 2020 14:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.3	35.0	105.1
157	89.3	43.2	129.6





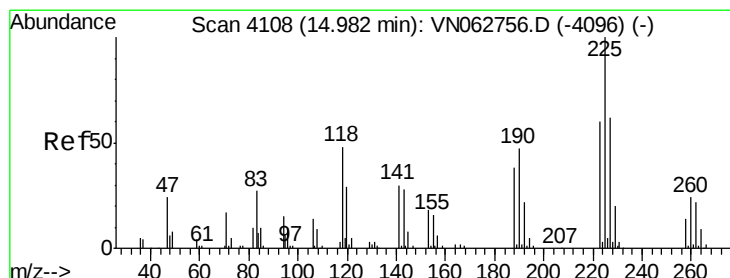
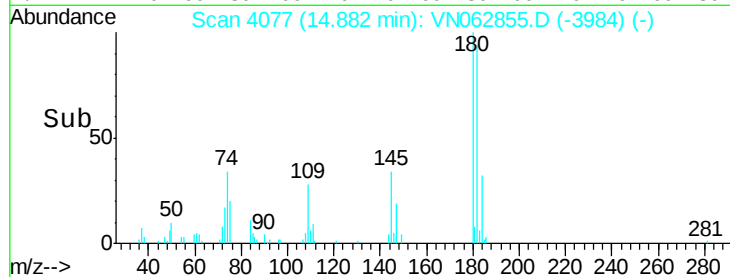
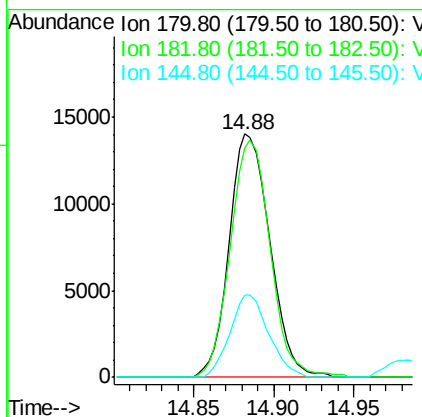
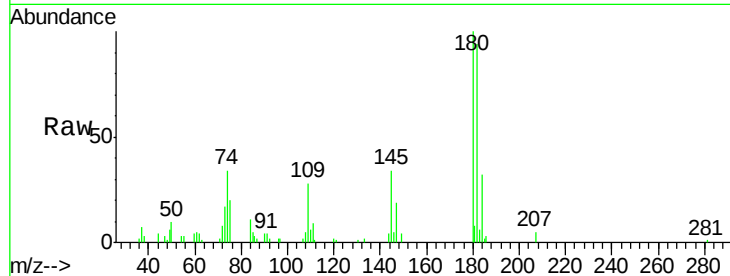
#93
 1,2,4-Trichlorobenzene
 Concen: 16.116 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062855.D
 Acq: 12 Aug 2020 14:06

Instrument :
 MSVOA_N
 ClientSampled :
 VN0812WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	49.1	147.4
145	31.9	16.3	48.8

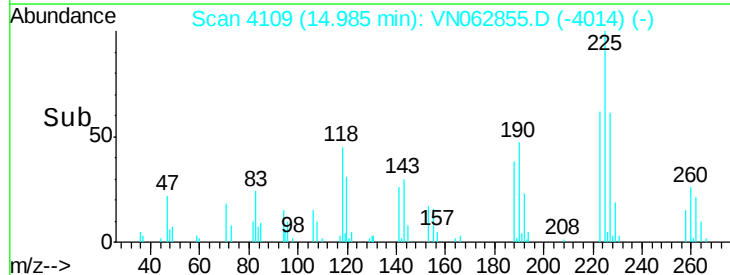
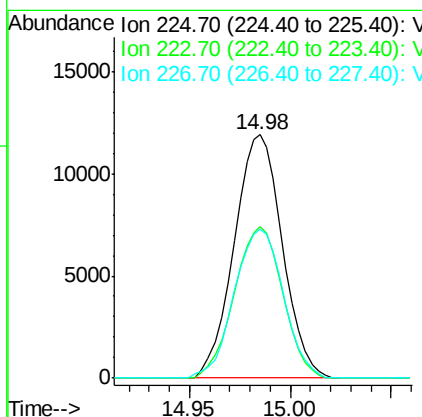
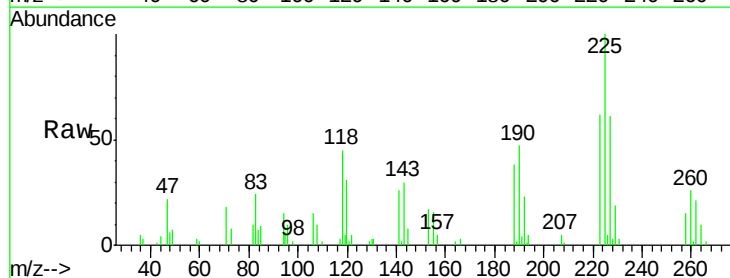
Manual Integrations
 APPROVED

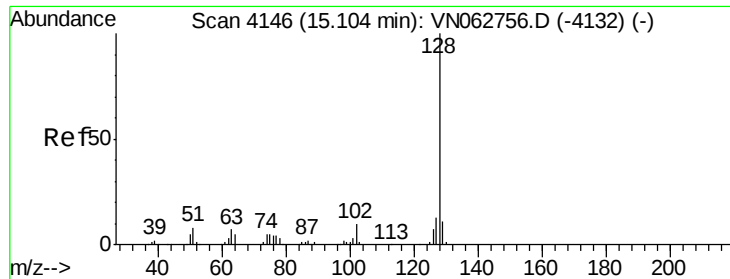
MMDadoda
 8/13/2020 10:57:09 AM



#94
 Hexachlorobutadiene
 Concen: 18.097 ug/l
 RT: 14.98 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062855.D
 Acq: 12 Aug 2020 14:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	30.6	92.0
227	62.7	31.6	95.0





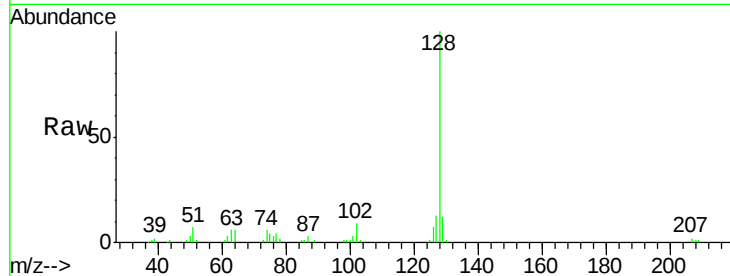
#95
Naphthalene
Concen: 15.920 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	63996		
127	12.8		10.8	16.2
129	11.3		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/13/2020 10:57:09 AM

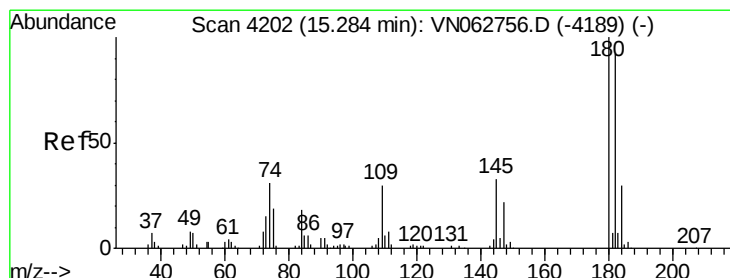
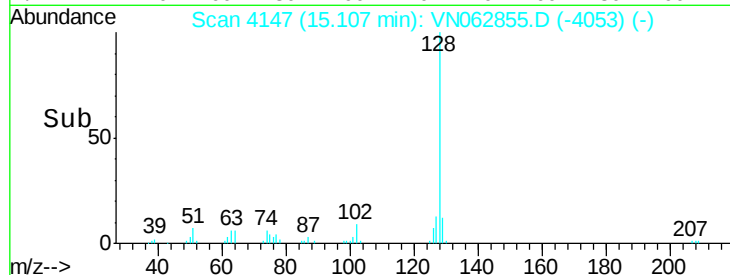
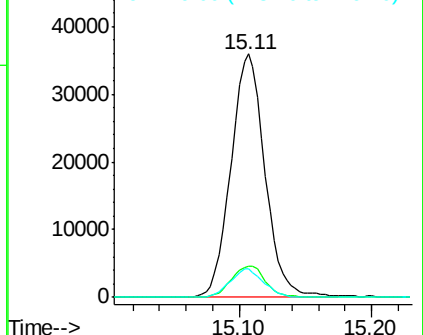


Abundance

Ion 128.00 (127.70 to 128.70): V

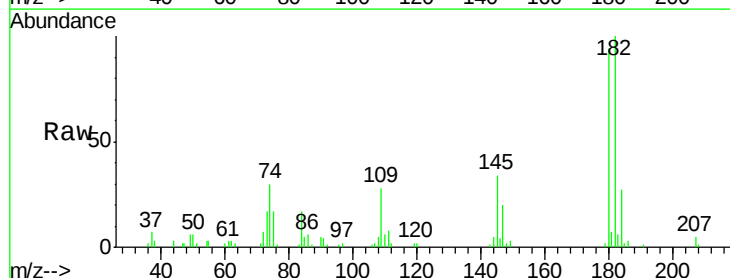
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 16.579 ug/l
RT: 15.29 min Scan# 4203
Delta R.T. 0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	25631		
182	101.2		47.9	143.6
145	34.2		17.3	51.7



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

