

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080520\
 Data File : VN062757.D
 Acq On : 5 Aug 2020 12:40
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 8/6/2020 1:51:48 PM

Quant Time: Aug 05 13:00:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 12:39:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	158171	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	251736	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	241065	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	127628	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	263864	106.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	213.12%	
35) Dibromofluoromethane	7.55	113	175504	105.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	211.96%	
50) Toluene-d8	10.06	98	698872	105.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	211.88%	
62) 4-Bromofluorobenzene	12.38	95	275448	113.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	226.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	233445	117.367	ug/l	99
3) Chloromethane	2.04	50	211349	84.371	ug/l	99
4) Vinyl Chloride	2.16	62	199818	90.887	ug/l	98
5) Bromomethane	2.49	94	126538	121.172	ug/l	96
6) Chloroethane	2.64	64	122892	116.545	ug/l	96
7) Trichlorofluoromethane	2.96	101	349896	127.174	ug/l	98
8) Diethyl Ether	3.37	74	99215	83.855	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	145434	88.515	ug/l	98
10) Methyl Iodide	3.90	142	188250	91.015	ug/l	99
11) Tert butyl alcohol	4.75	59	217445	540.523	ug/l	100
12) 1,1-Dichloroethene	3.69	96	135556	82.326	ug/l	94
13) Acrolein	3.56	56	127948	367.347	ug/l	98
14) Allyl chloride	4.27	41	265938	76.330	ug/l	97
15) Acrylonitrile	4.93	53	518421	499.252	ug/l	100
16) Acetone	3.78	43	447100	483.076	ug/l	100
17) Carbon Disulfide	4.00	76	378961	71.152	ug/l	98
18) Methyl Acetate	4.28	43	221989	94.666	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	629669	101.048	ug/l	98
20) Methylene Chloride	4.50	84	174175	80.652	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	149627	82.016	ug/l	98
22) Diisopropyl ether	5.90	45	597137	84.551	ug/l	99
23) Vinyl Acetate	5.84	43	2189652	387.444	ug/l	98
24) 1,1-Dichloroethane	5.80	63	323766	84.590	ug/l	99
25) 2-Butanone	6.79	43	686897	491.519	ug/l	99
26) 2,2-Dichloropropane	6.77	77	293688	91.672	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	182943	87.368	ug/l	97
28) Bromochloromethane	7.15	49	171356	91.737	ug/l	100
29) Tetrahydrofuran	7.17	42	447093	474.941	ug/l	99
30) Chloroform	7.33	83	345624	93.236	ug/l	97
31) Cyclohexane	7.61	56	307196	86.685	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	311795	99.286	ug/l	98
36) 1,1-Dichloropropene	7.75	75	237530	89.988	ug/l	98
37) Ethyl Acetate	6.88	43	250631	88.828	ug/l	97
38) Carbon Tetrachloride	7.73	117	274538	105.691	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	308839	106.906	ug/l	99
40) Benzene	8.00	78	702194	88.474	ug/l	99
41) Methacrylonitrile	7.13	41	117606	93.898	ug/l #	77
42) 1,2-Dichloroethane	8.08	62	302639	101.597	ug/l	99
43) Isopropyl Acetate	8.13	43	430903	94.603	ug/l #	90
44) Trichloroethene	8.80	130	168734	93.319	ug/l	96
45) 1,2-Dichloropropane	9.08	63	193640	86.941	ug/l	97
46) Dibromomethane	9.17	93	129467	98.902	ug/l	100
47) Bromodichloromethane	9.37	83	291771	101.682	ug/l	99
48) Methyl methacrylate	9.17	41	216627	99.141	ug/l	99
49) 1,4-Dioxane	9.17	88	84356	2412.633	ug/l	98
51) 4-Methyl-2-Pentanone	9.96	43	1457732	525.486	ug/l	100
52) Toluene	10.13	92	451343	96.899	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	333769	105.233	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	330293	98.442	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	185717	101.727	ug/l	98
56) Ethyl methacrylate	10.40	69	320127	109.925	ug/l	99
57) 1,3-Dichloropropane	10.68	76	326923	98.260	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	449135	547.098	ug/l	100
59) 2-Hexanone	10.72	43	1126169	567.856	ug/l	100
60) Dibromochloromethane	10.88	129	225989	109.953	ug/l	99
61) 1,2-Dibromoethane	10.98	107	193954	102.342	ug/l	99
64) Tetrachloroethene	10.60	164	145853	93.225	ug/l	99
65) Chlorobenzene	11.41	112	498371	98.839	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	201492	104.609	ug/l	98
67) Ethyl Benzene	11.49	91	936036	101.314	ug/l	99
68) m/p-Xylenes	11.60	106	682289	204.946	ug/l	98
69) o-Xylene	11.92	106	328470	103.709	ug/l	100
70) Styrene	11.94	104	599904	111.685	ug/l	98
71) Bromoform	12.10	173	170283	116.355	ug/l #	100
73) Isopropylbenzene	12.23	105	929723	92.523	ug/l	100
74) N-amyl acetate	12.05	43	418029	95.274	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	301824	86.737	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	316581m	97.001	ug/l	
77) Bromobenzene	12.50	156	219120	90.570	ug/l	99
78) n-propylbenzene	12.57	91	1112352	94.690	ug/l	100
79) 2-Chlorotoluene	12.65	91	673672	92.822	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	832320	99.401	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	113299	97.067	ug/l	98
82) 4-Chlorotoluene	12.75	91	711345	94.097	ug/l	100
83) tert-Butylbenzene	12.97	119	693781	99.618	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	836795	101.827	ug/l	99
85) sec-Butylbenzene	13.15	105	933701	100.185	ug/l	100
86) p-Isopropyltoluene	13.26	119	859149	106.560	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	409463	95.696	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	411102	97.974	ug/l	99
89) n-Butylbenzene	13.59	91	763707	110.675	ug/l	100
90) Hexachloroethane	13.85	117	163122	94.991	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	397925	97.848	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	75514	115.181	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	222762	118.159	ug/l	98
94) Hexachlorobutadiene	14.98	225	127295	102.496	ug/l	98
95) Naphthalene	15.11	128	620160	119.252	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	220772	114.889	ug/l	99

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

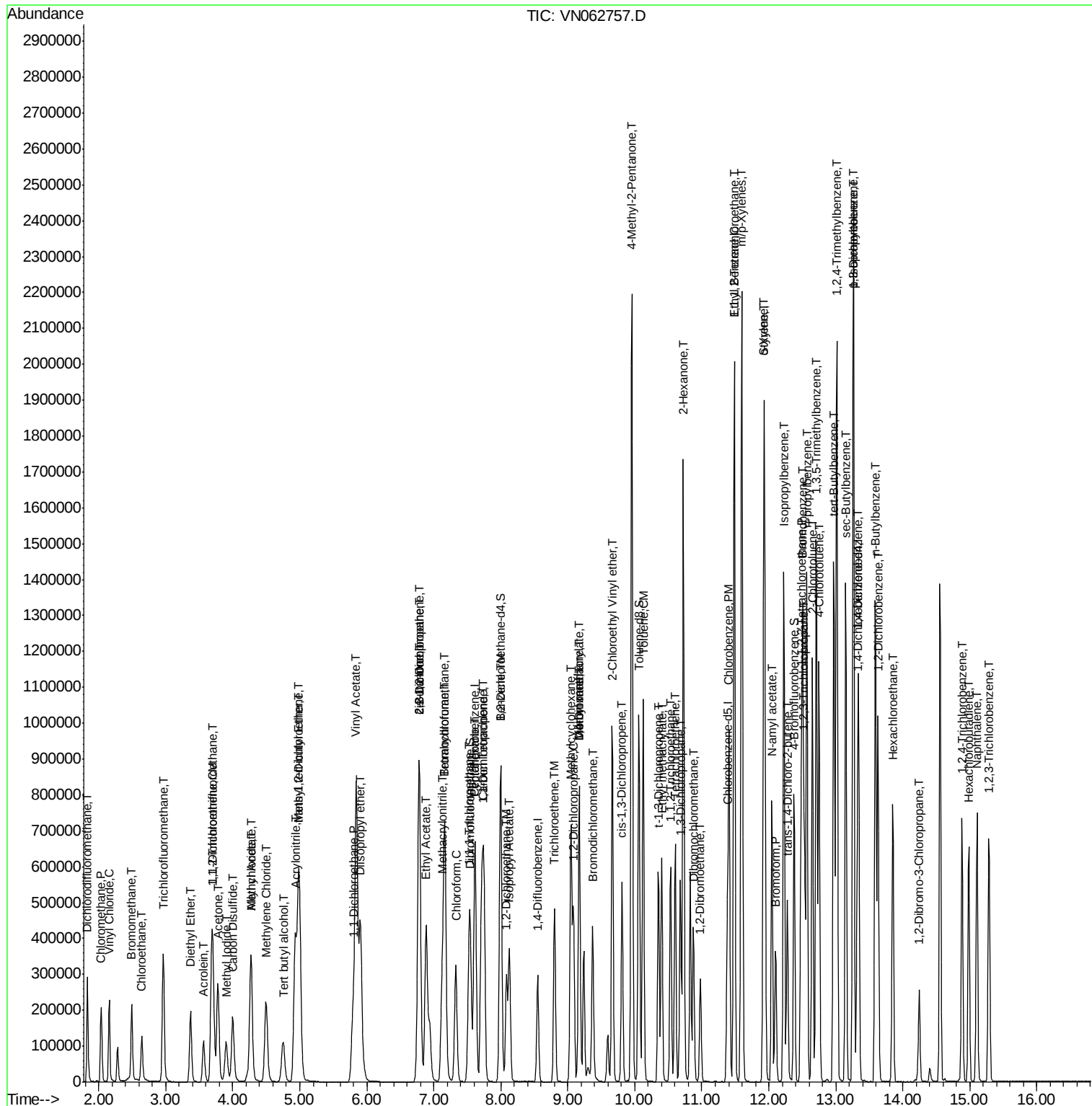
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Data File : VN062757.D
Acq On : 5 Aug 2020 12:40
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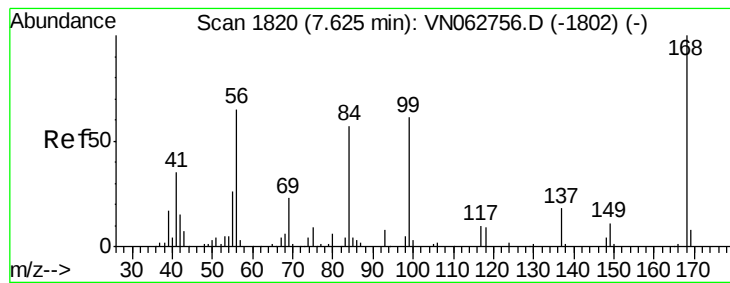
Instrument :
MSVOA_N
ClientSampleId :
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Manual Integrations
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062757.D

Acq: 5 Aug 2020 12:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 158171

Ion Ratio Lower Upper

168 100

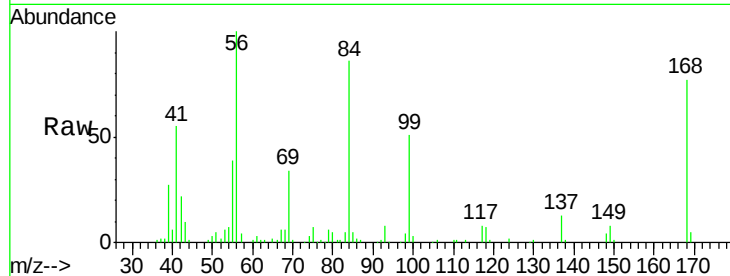
99 66.1 52.9 79.3

Manual Integrations

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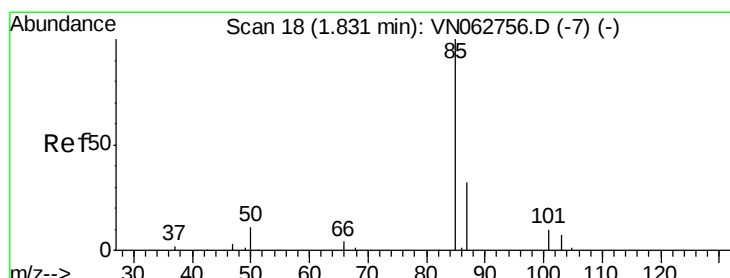
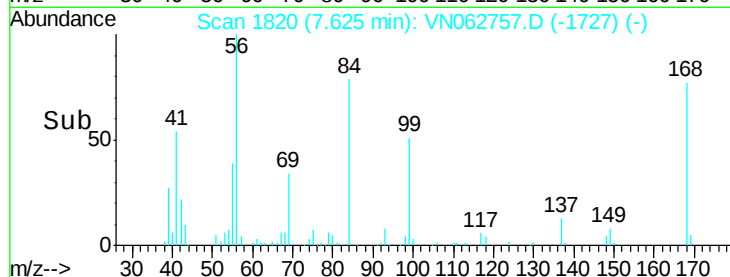
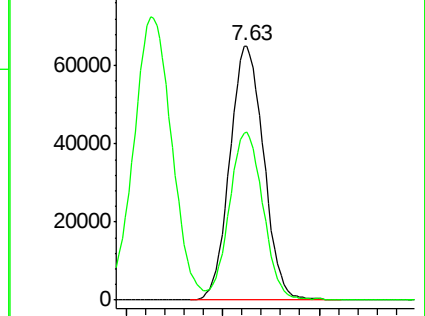
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 117.367 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062757.D

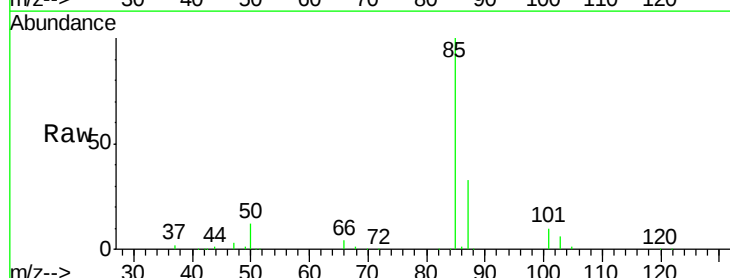
Acq: 5 Aug 2020 12:40

Tgt Ion: 85 Resp: 233445

Ion Ratio Lower Upper

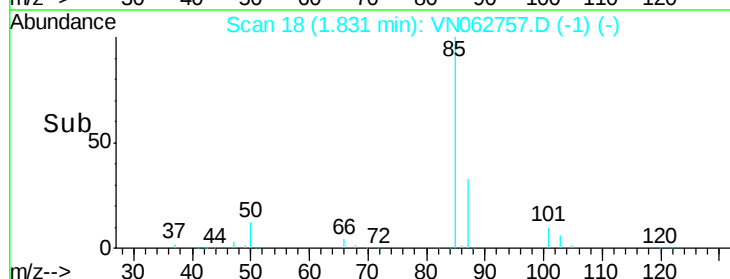
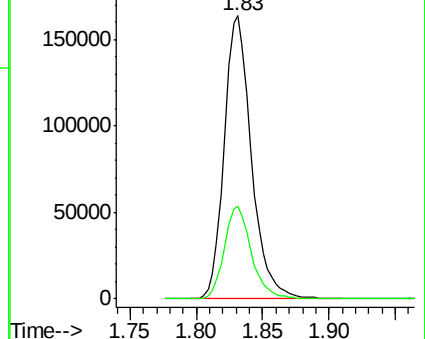
85 100

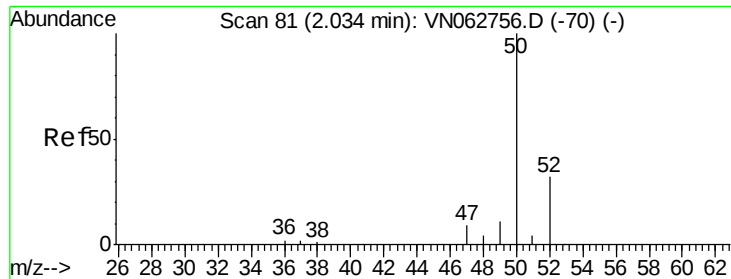
87 32.8 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 84.371 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062757.D

Acq: 5 Aug 2020 12:40

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 50 Resp: 211349

Ion Ratio Lower Upper

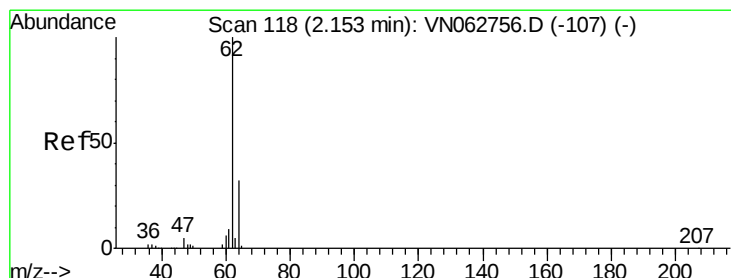
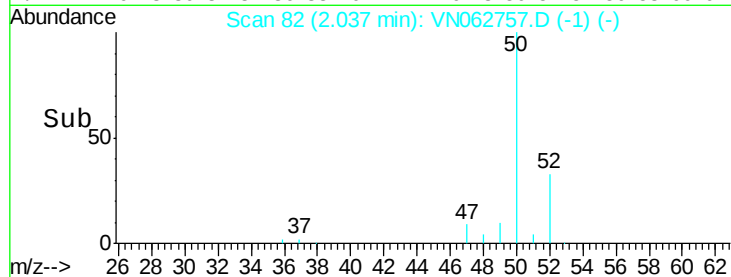
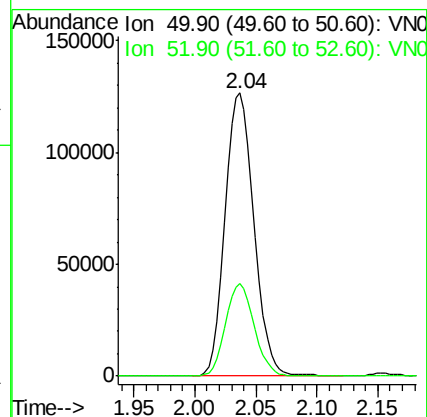
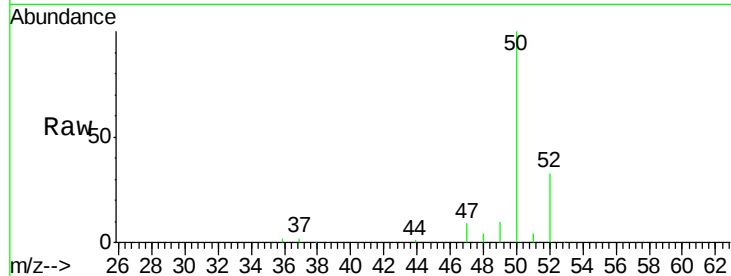
50 100

52 32.7 25.6 38.4

Manual Integrations
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#4

Vinyl Chloride

Concen: 90.887 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN062757.D

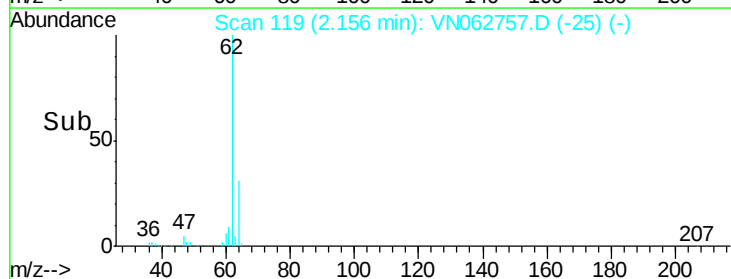
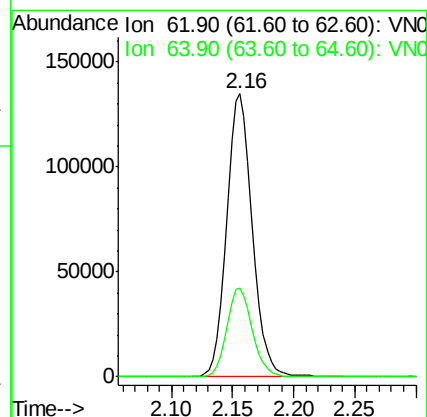
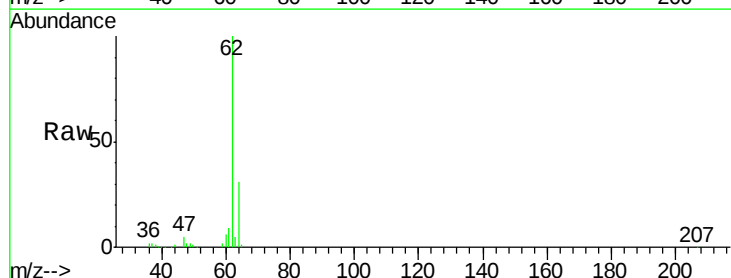
Acq: 5 Aug 2020 12:40

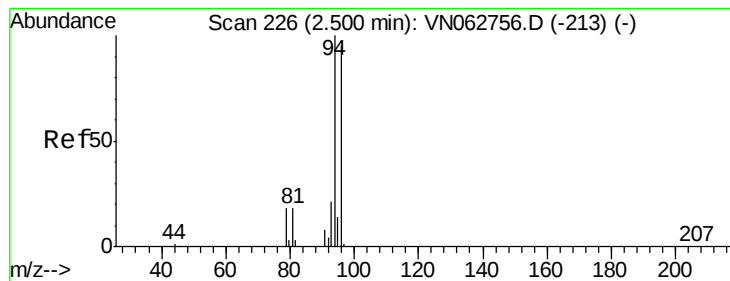
Tgt Ion: 62 Resp: 199818

Ion Ratio Lower Upper

62 100

64 31.4 25.8 38.8





#5

Bromomethane

Concen: 121.172 ug/l

RT: 2.49 min Scan# 223

Delta R.T. -0.01 min

Lab File: VN062757.D

Acq: 5 Aug 2020 12:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 126538

Ion Ratio Lower Upper

94 100

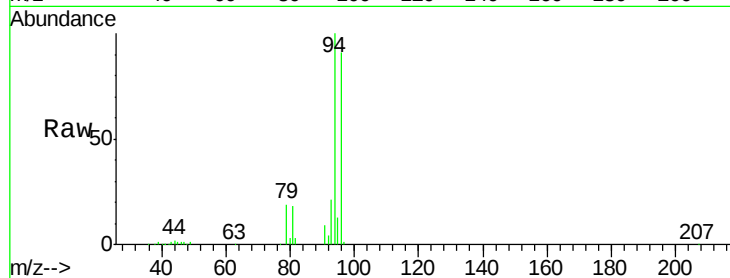
96 91.2 76.2 114.4

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

2.49

80000

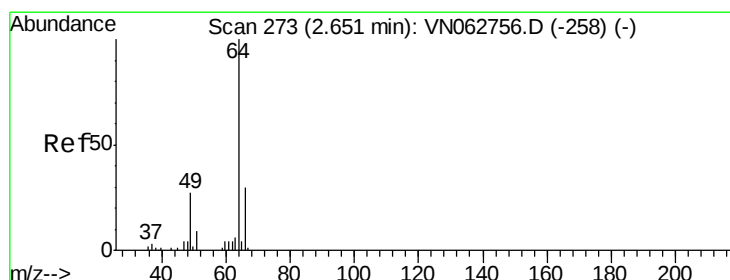
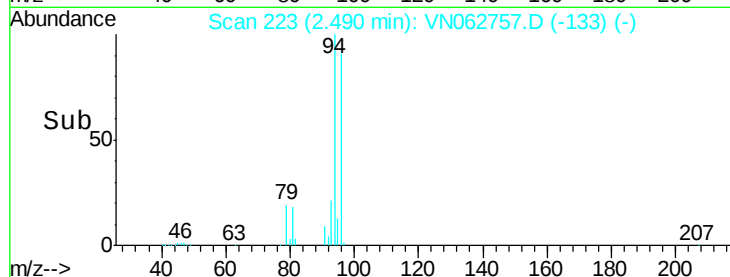
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 116.545 ug/l

RT: 2.64 min Scan# 270

Delta R.T. -0.01 min

Lab File: VN062757.D

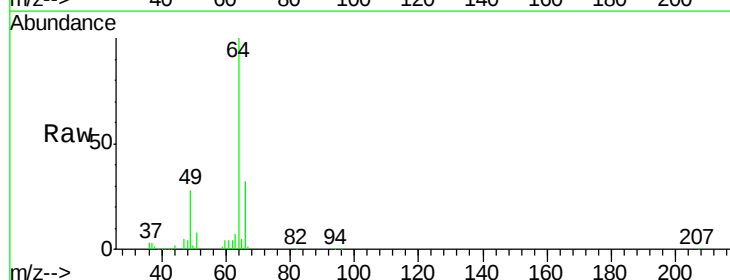
Acq: 5 Aug 2020 12:40

Tgt Ion: 64 Resp: 122892

Ion Ratio Lower Upper

64 100

66 32.2 24.0 36.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.64

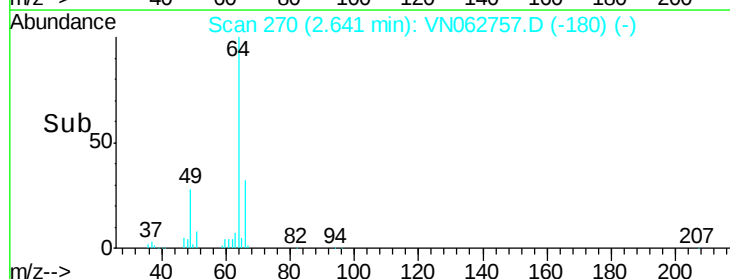
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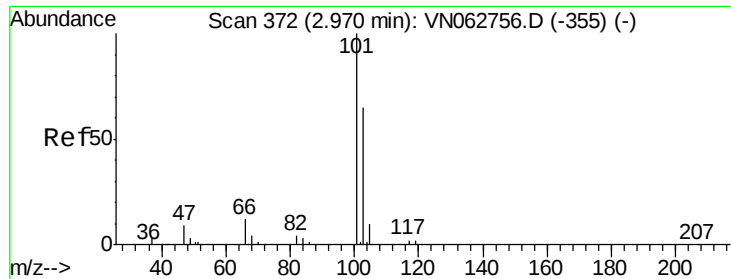
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Time-->





#7

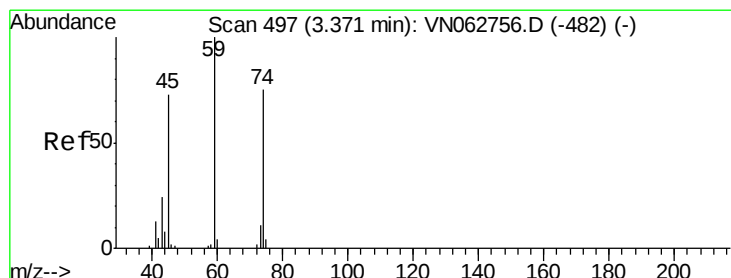
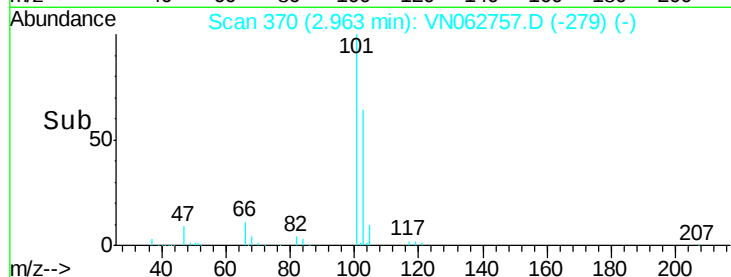
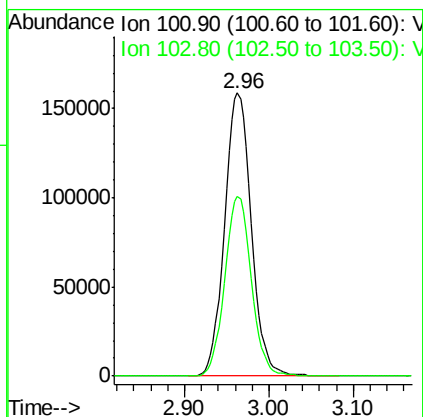
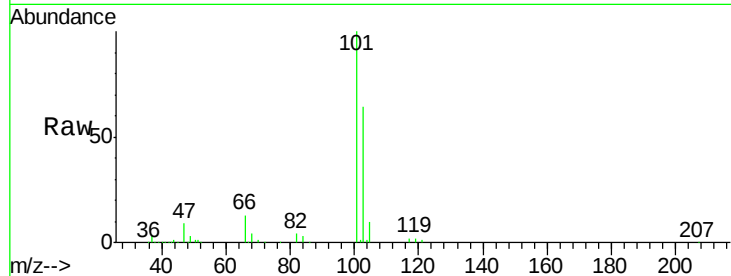
Trichlorofluoromethane
Concen: 127.174 ug/l
RT: 2.96 min Scan# 370
Delta R.T. -0.01 min
Lab File: VN062757.D
Acq: 5 Aug 2020 12:40

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	349896		
103	63.5	52.3	78.5	

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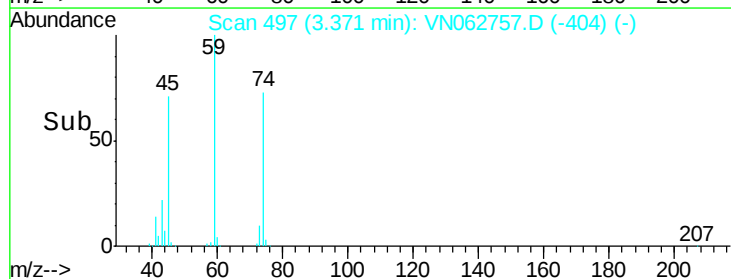
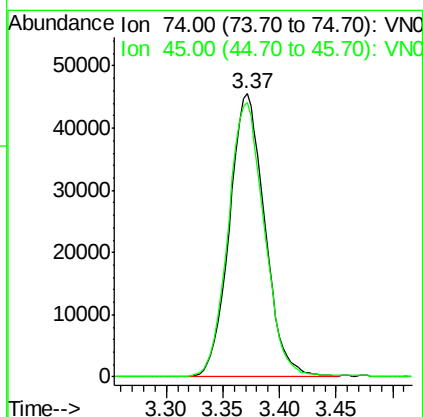
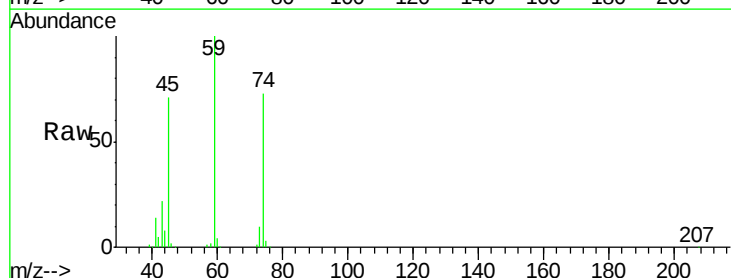
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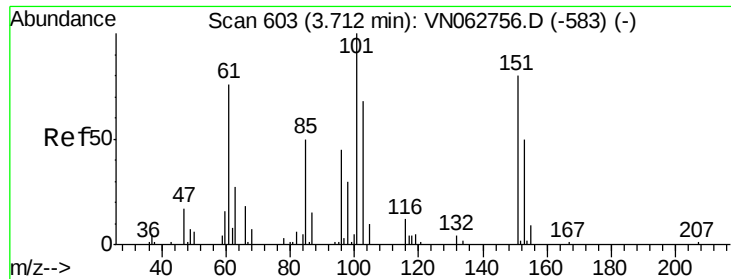


#8

Diethyl Ether
Concen: 83.855 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN062757.D
Acq: 5 Aug 2020 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	99215		
45	99.1	48.7	146.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 88.515 ug/l

RT: 3.71 min Scan# 601

Delta R.T. -0.01 min

Lab File: VN062757.D

Acq: 5 Aug 2020 12:40

Instrument :

MSVOA_N

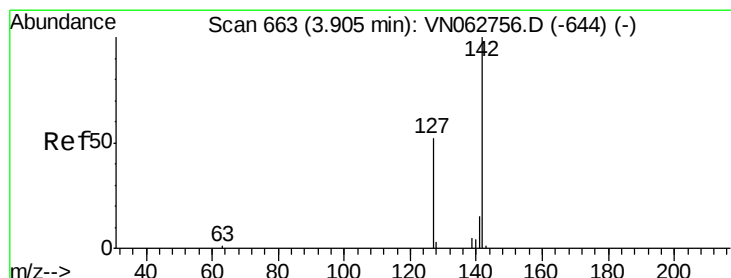
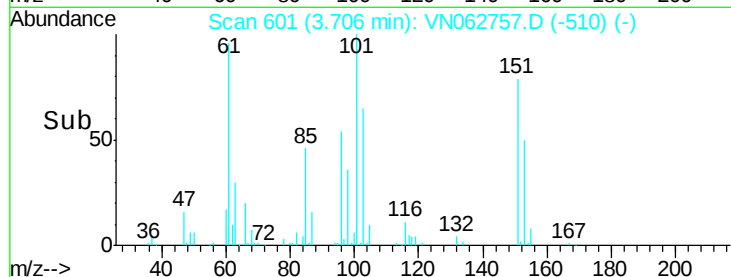
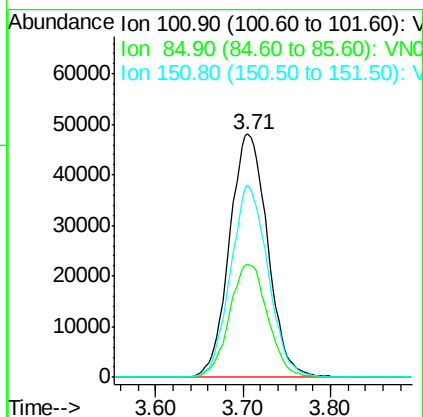
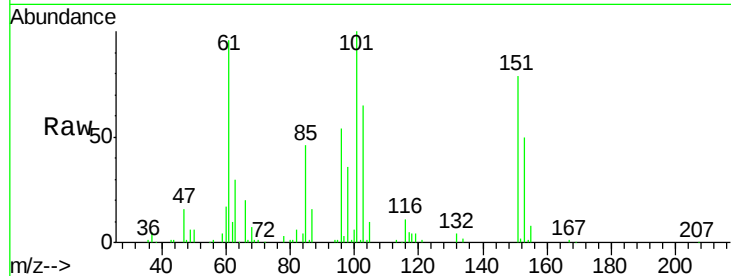
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	145434
Ion Ratio	Lower	Upper	
101	100		
85	46.7	38.5	57.7
151	77.6	63.0	94.6

Manual Integrations
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#10

Methyl Iodide

Concen: 91.015 ug/l

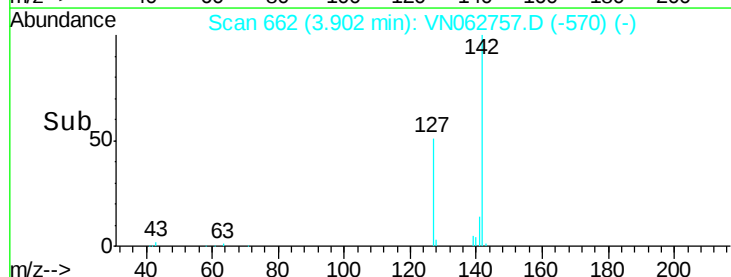
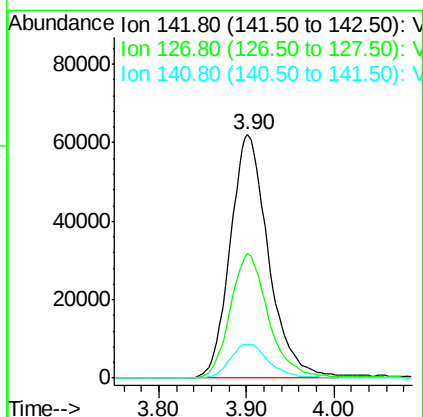
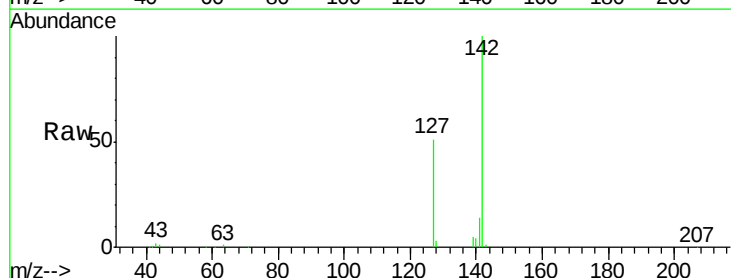
RT: 3.90 min Scan# 662

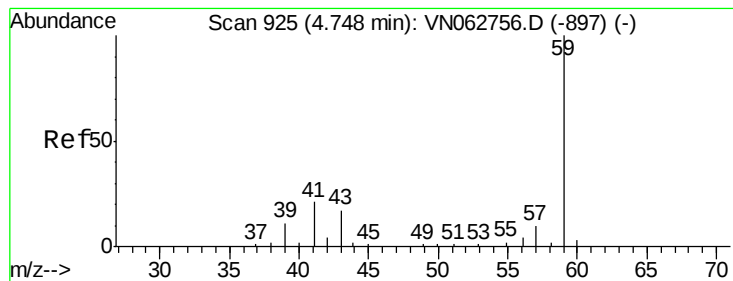
Delta R.T. -0.00 min

Lab File: VN062757.D

Acq: 5 Aug 2020 12:40

Tgt Ion:	142	Resp:	188250
Ion Ratio	Lower	Upper	
142	100		
127	51.2	41.4	62.0
141	14.3	12.2	18.4





#11

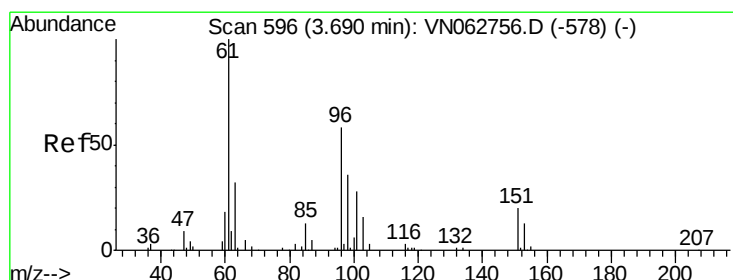
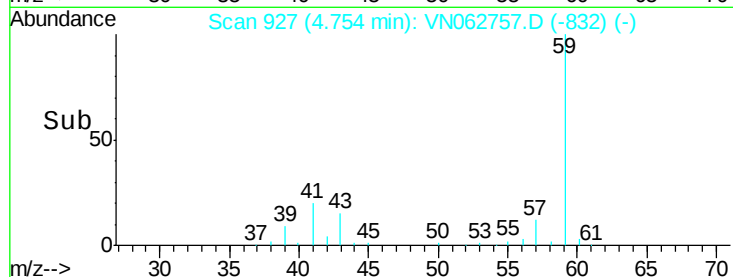
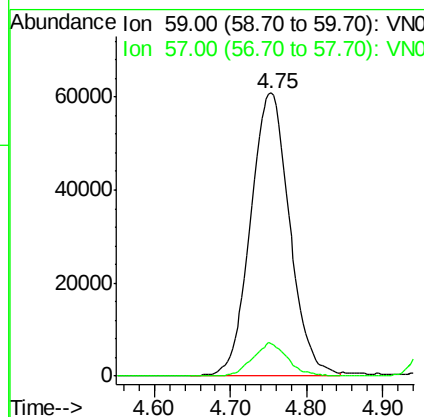
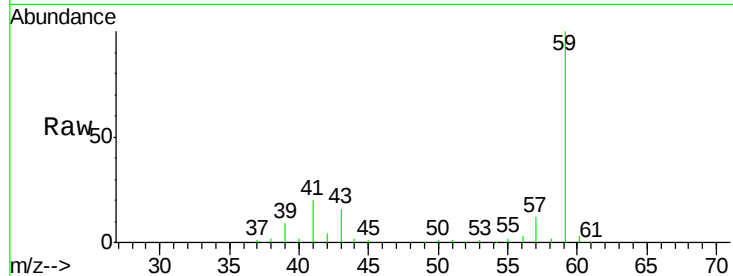
Tert butyl alcohol
 Concen: 540.523 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. 0.01 min
 Lab File: VN062757.D
 Acq: 5 Aug 2020 12:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
59	100	217445		
57	10.5		8.3	12.5

Manual Integrations
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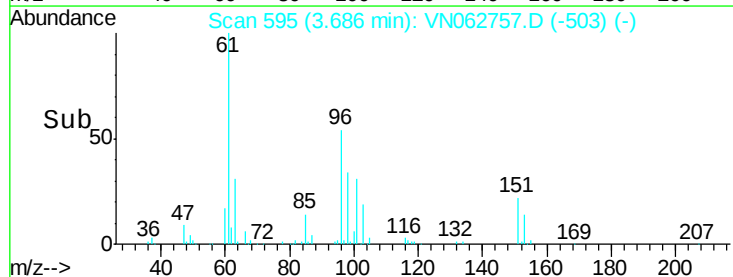
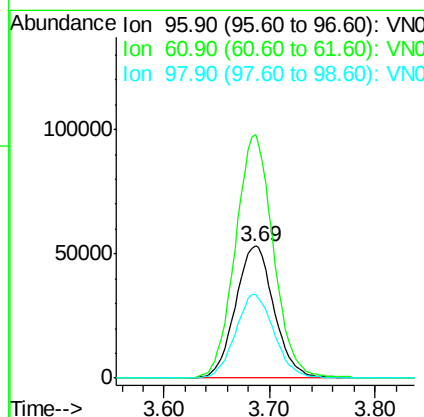
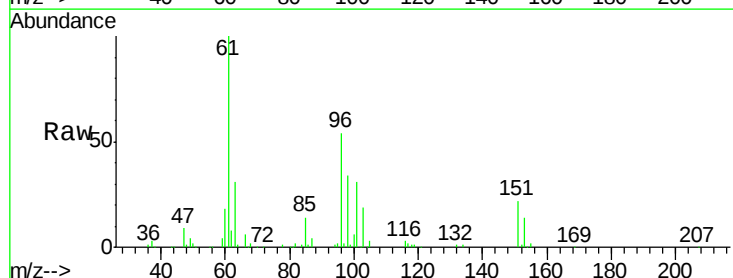
MMDadoda
 8/6/2020 1:51:48 PM

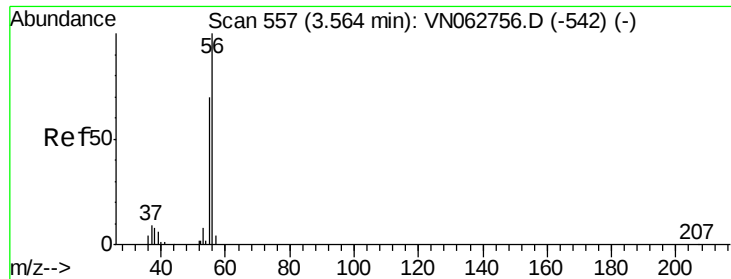


#12

1,1-Dichloroethene
 Concen: 82.326 ug/l
 RT: 3.69 min Scan# 595
 Delta R.T. -0.00 min
 Lab File: VN062757.D
 Acq: 5 Aug 2020 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	135556		
61	184.6		139.0	208.6
98	63.3		50.2	75.4





#13

Acrolein

Concen: 367.347 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN062757.D

Acq: 5 Aug 2020 12:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 56 Resp: 127948

Ion Ratio Lower Upper

56 100

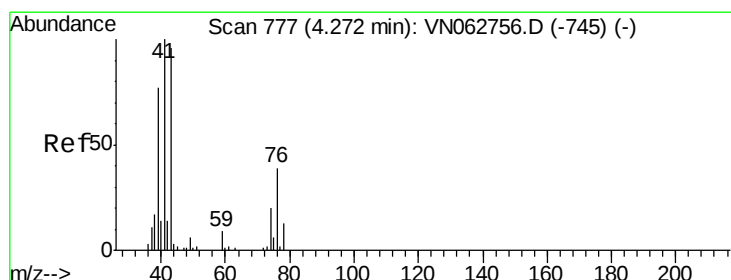
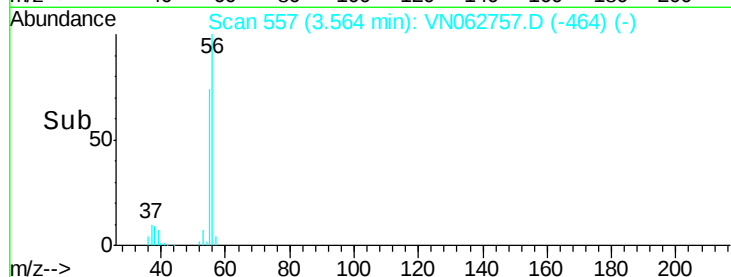
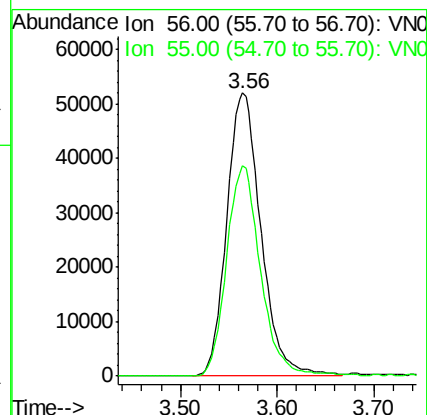
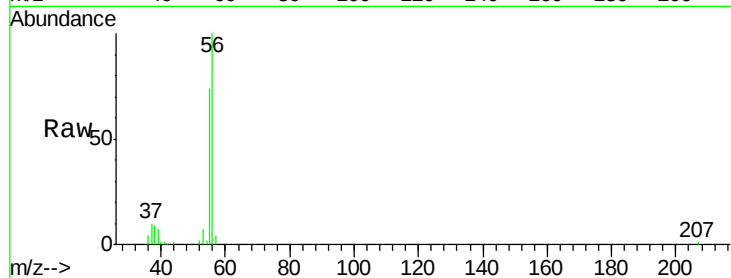
55 73.1 57.0 85.6

Manual Integrations

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#14

Allyl chloride

Concen: 76.330 ug/l

RT: 4.27 min Scan# 776

Delta R.T. -0.00 min

Lab File: VN062757.D

Acq: 5 Aug 2020 12:40

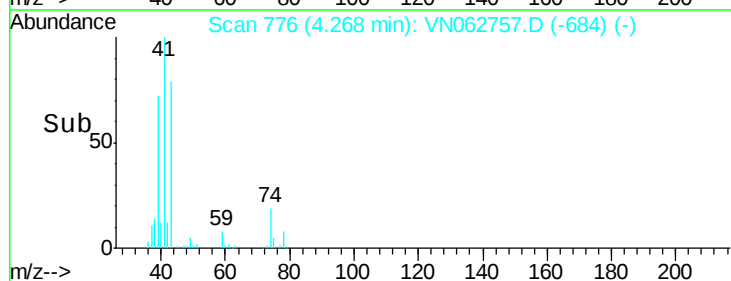
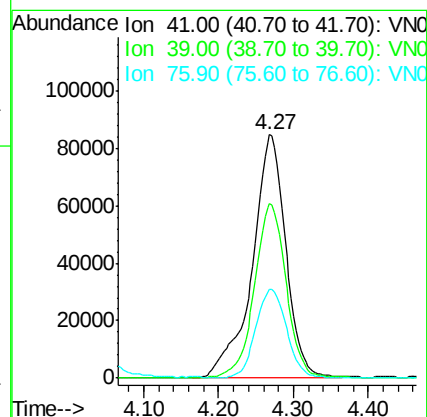
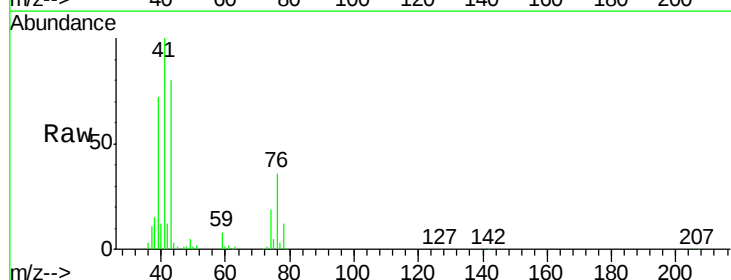
Tgt Ion: 41 Resp: 265938

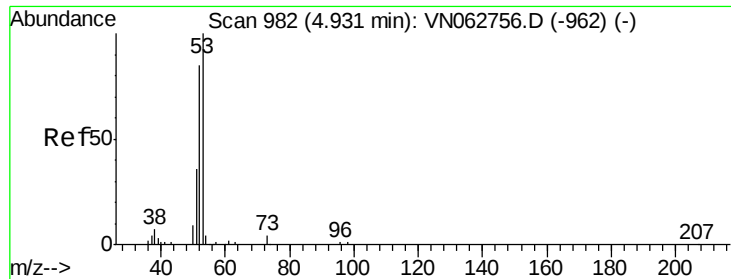
Ion Ratio Lower Upper

41 100

39 67.6 55.7 83.5

76 32.8 27.5 41.3





#15

Acrylonitrile

Concen: 499.252 ug/l

RT: 4.93 min Scan# 982

Delta R.T. -0.00 min

Lab File: VN062757.D

Acq: 5 Aug 2020 12:40

Instrument :

MSVOA_N

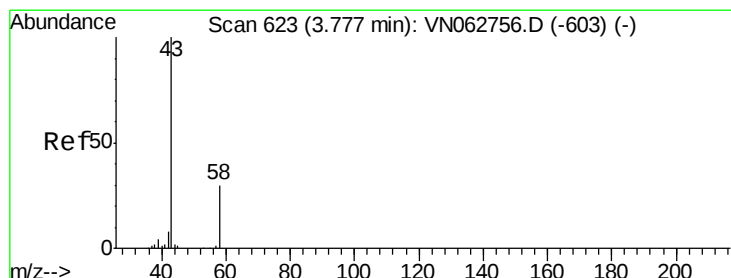
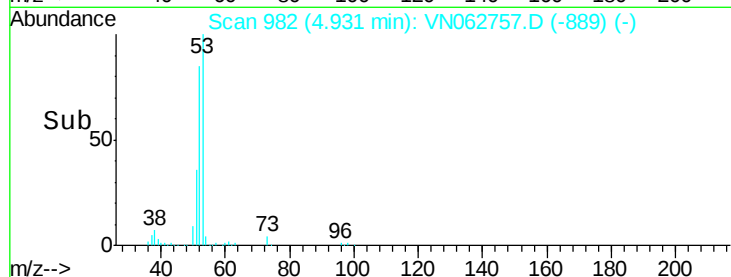
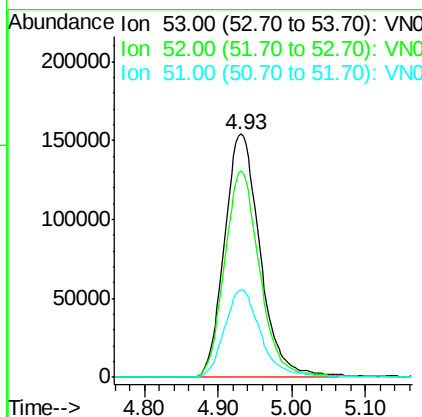
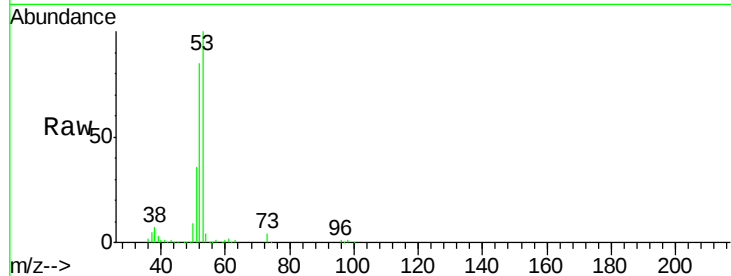
ClientSampleId :

VSTDICC100

Tot Ion:	53	Resp:	518421
Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.8	100.2
51	36.7	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 483.076 ug/l

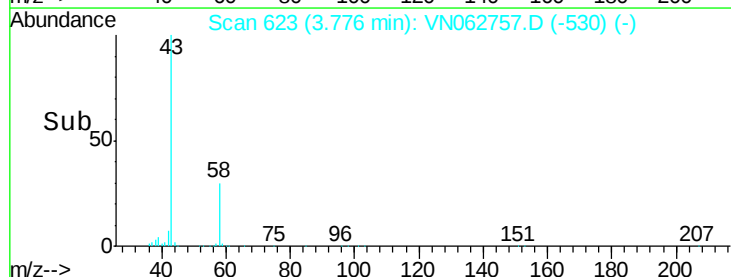
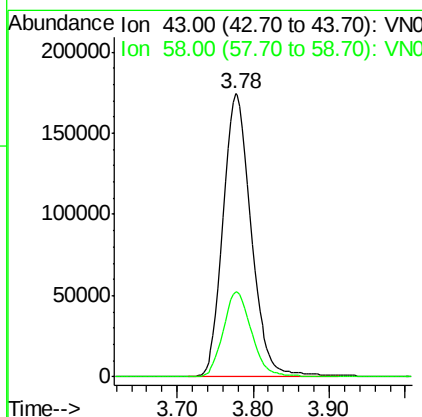
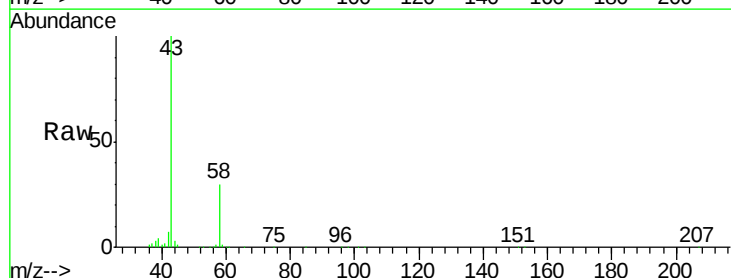
RT: 3.78 min Scan# 623

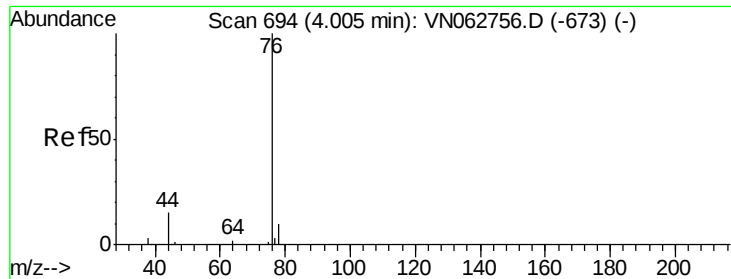
Delta R.T. -0.00 min

Lab File: VN062757.D

Acq: 5 Aug 2020 12:40

Tgt Ion:	43	Resp:	447100
Ion	Ratio	Lower	Upper
43	100		
58	30.1	24.1	36.1





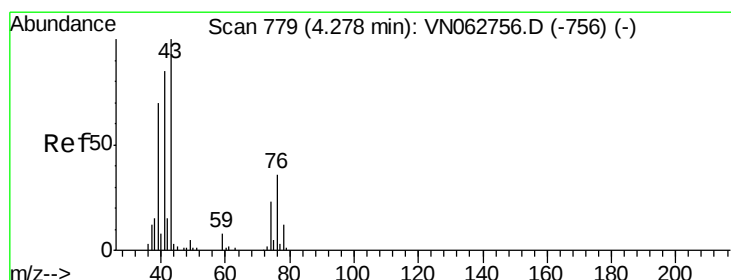
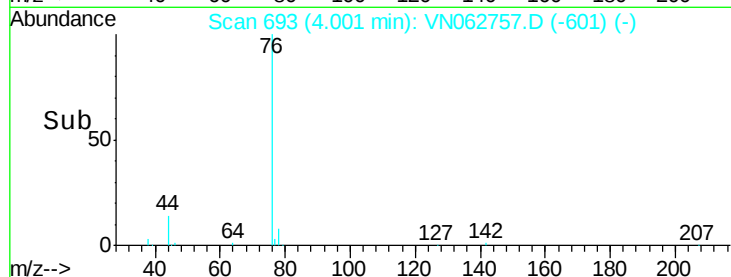
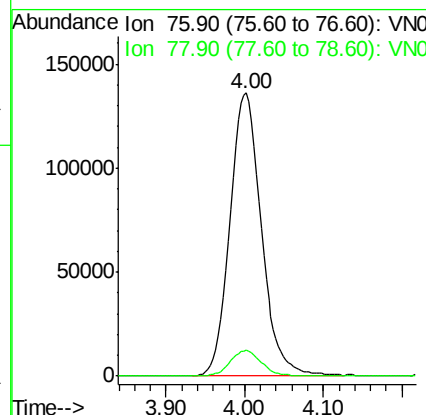
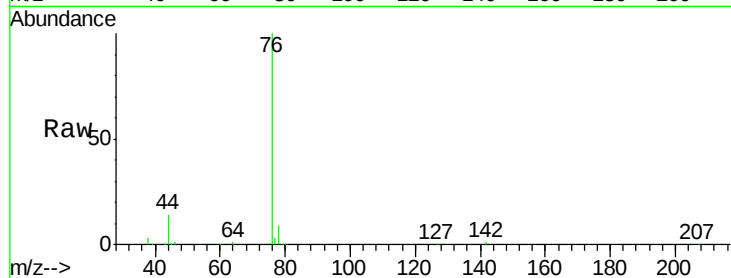
#17
Carbon Disulfide
Concen: 71.152 ug/l
RT: 4.00 min Scan# 693
Delta R.T. -0.00 min
Lab File: VN062757.D
Acq: 5 Aug 2020 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.7	11.5

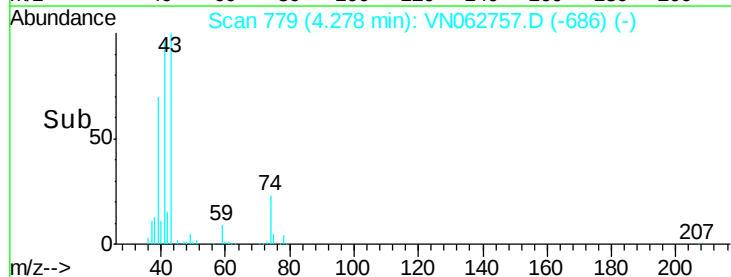
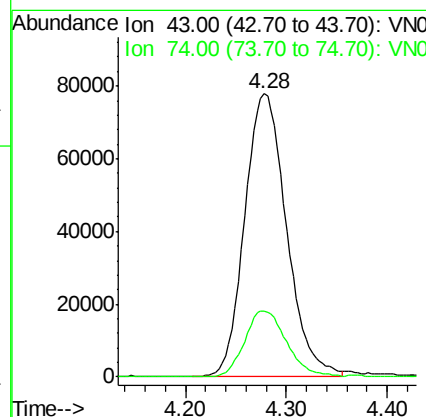
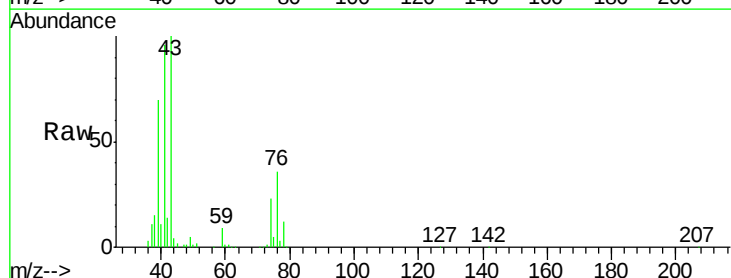
Manual Integrations
APPROVED

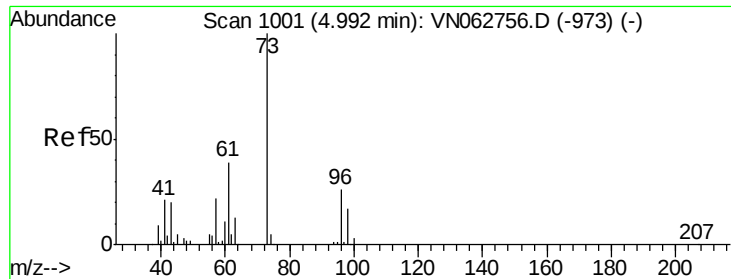
MMDadoda
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#18
Methyl Acetate
Concen: 94.666 ug/l
RT: 4.28 min Scan# 779
Delta R.T. -0.00 min
Lab File: VN062757.D
Acq: 5 Aug 2020 12:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	18.6	28.0





#19

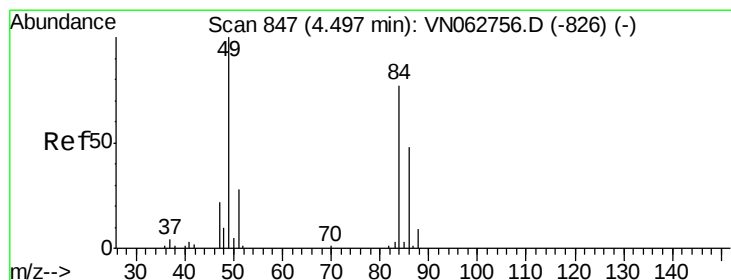
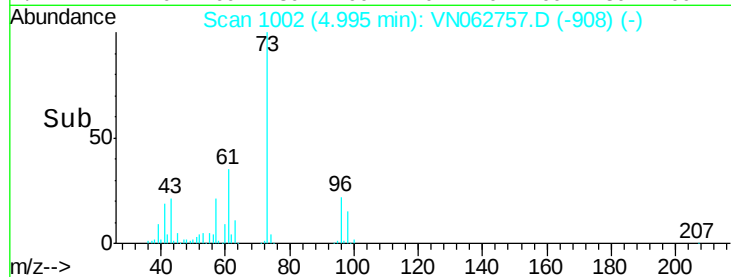
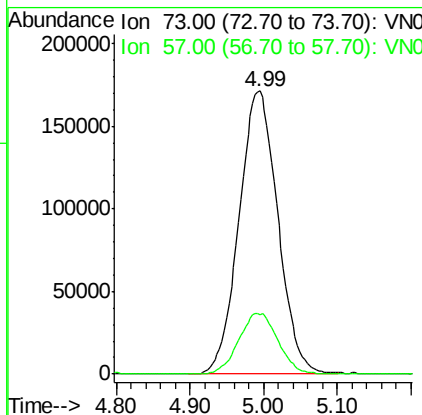
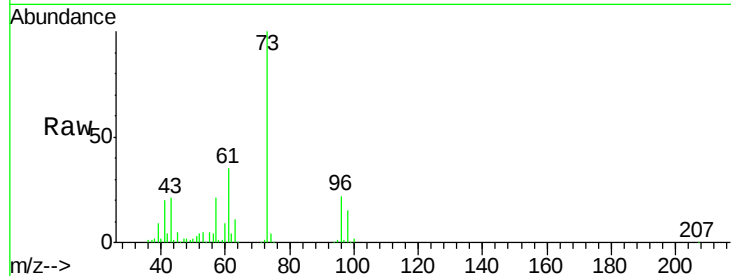
Methyl tert-butyl Ether
 Concen: 101.048 ug/l
 RT: 4.99 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN062757.D
 Acq: 5 Aug 2020 12:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.5	26.3

Manual Integrations
 APPROVED

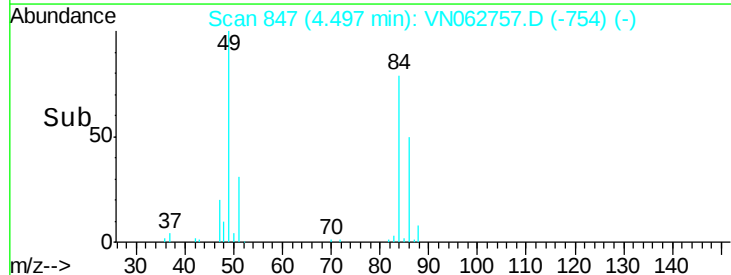
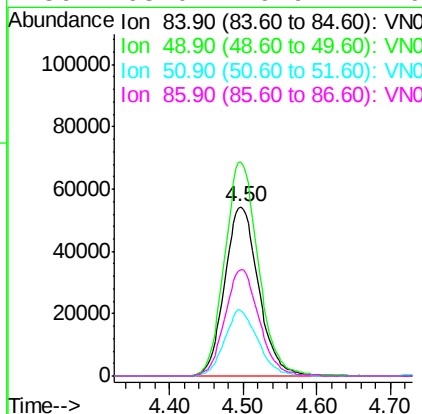
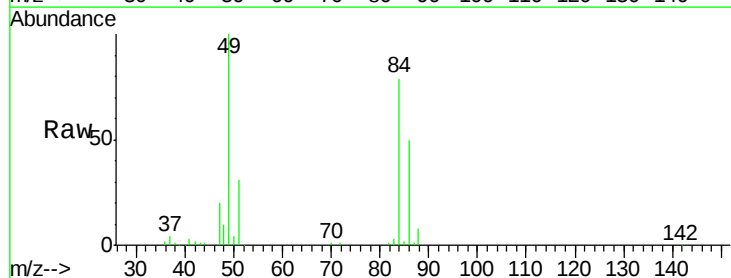
MMDadoda
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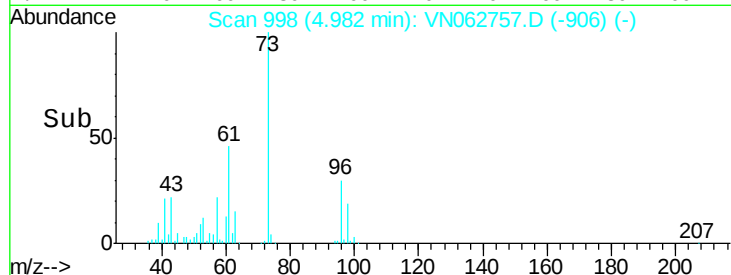
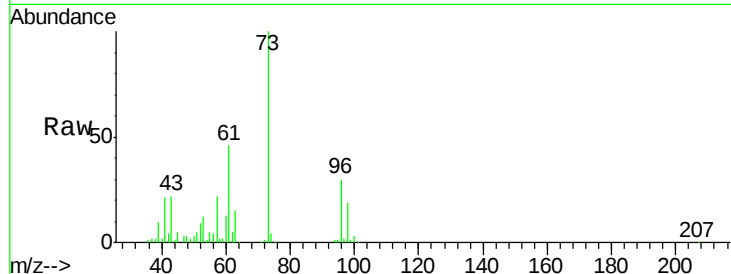
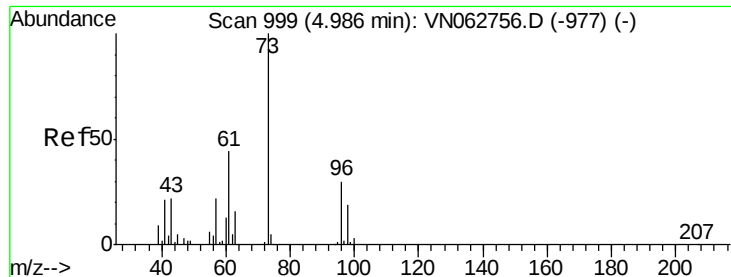


#20

Methylene Chloride
 Concen: 80.652 ug/l
 RT: 4.50 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VN062757.D
 Acq: 5 Aug 2020 12:40

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.9	103.4	155.2
51	38.8	29.3	43.9
86	63.0	49.9	74.9





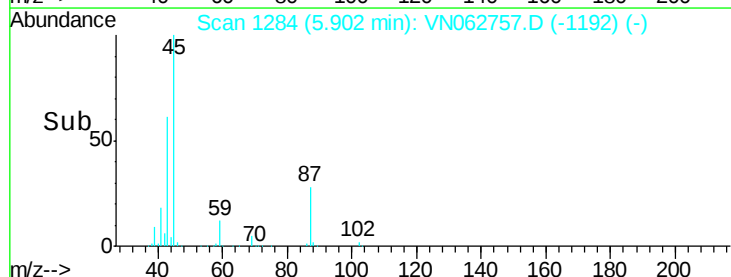
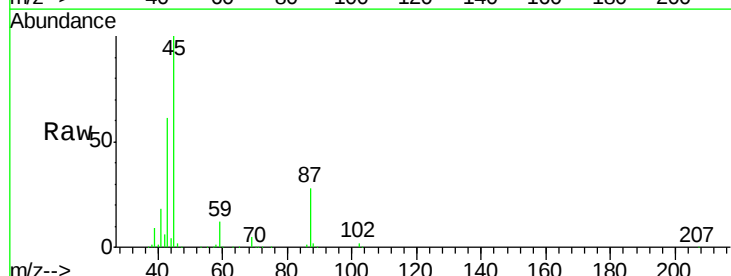
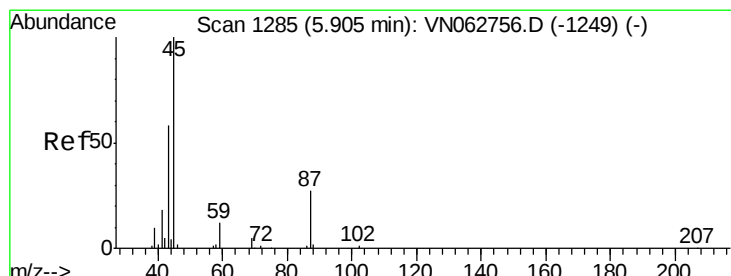
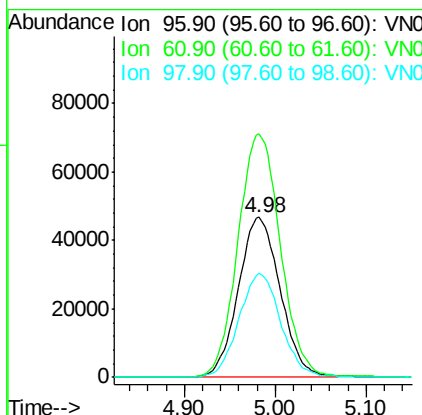
#21
trans-1,2-Dichloroethene
Concen: 82.016 ug/l
RT: 4.98 min Scan# 998
Delta R.T. -0.00 min
Lab File: VN062757.D
Acq: 5 Aug 2020 12:40

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.2	118.8	178.2
98	64.8	51.0	76.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

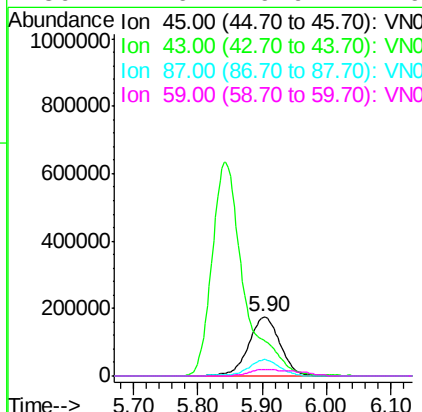
Manual Integrations
APPROVED

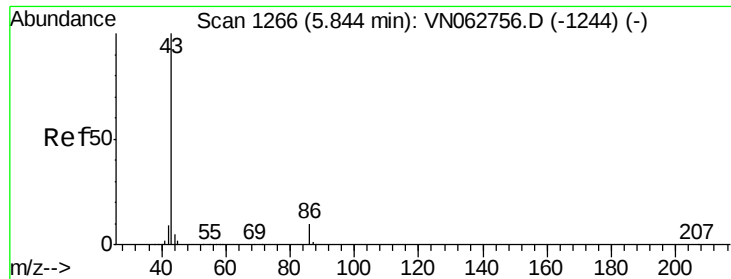
MMDadoda
8/6/2020 1:51:48 PM



#22
Diisopropyl ether
Concen: 84.551 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. -0.00 min
Lab File: VN062757.D
Acq: 5 Aug 2020 12:40

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.4	47.4	71.2
87	27.5	22.8	34.2
59	11.6	9.9	14.9





#23

Vinyl Acetate

Concen: 387.444 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN062757.D

Acq: 5 Aug 2020 12:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2189652

Ion Ratio Lower Upper

43 100

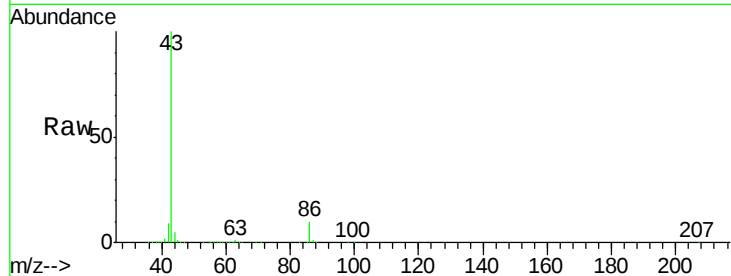
86 10.2 7.7 11.5

Manual Integrations

APPROVED

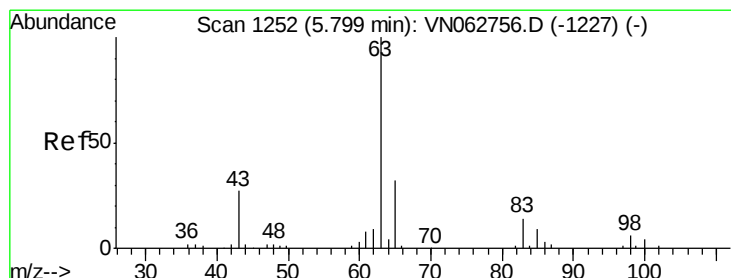
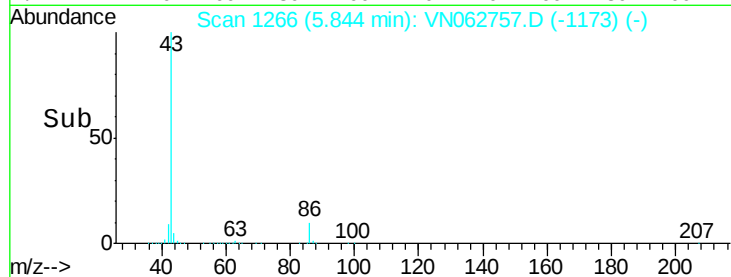
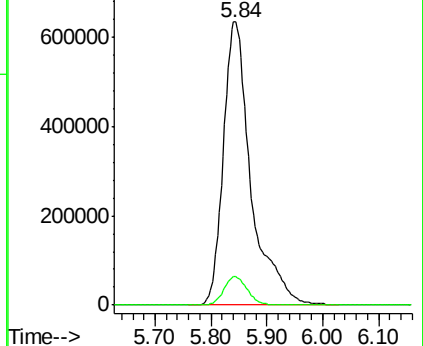
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 84.590 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN062757.D

Acq: 5 Aug 2020 12:40

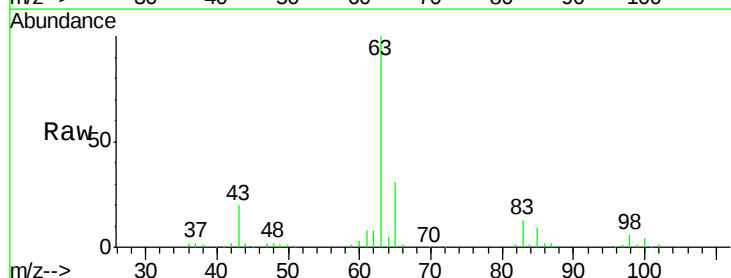
Tgt Ion: 63 Resp: 323766

Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.2

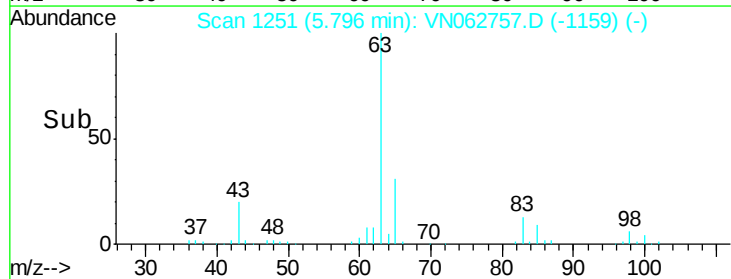
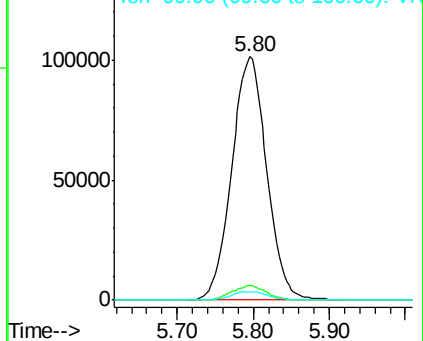
100 3.5 1.9 5.7

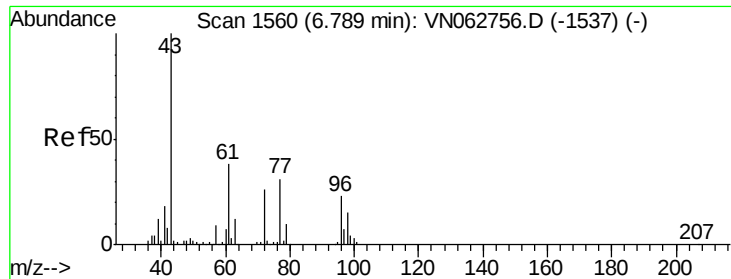


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 491.519 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. -0.00 min

Lab File: VN062757.D

Acq: 5 Aug 2020 12:40

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 686897

Ion Ratio Lower Upper

43 100

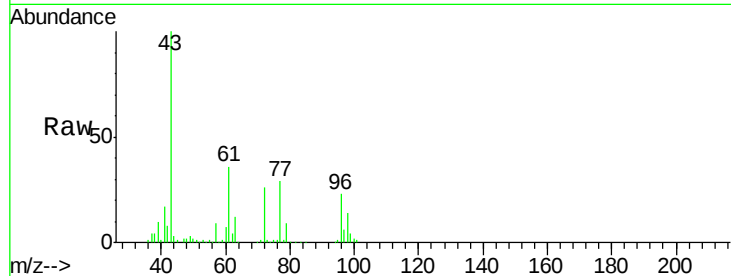
72 26.0 21.1 31.7

Manual Integrations

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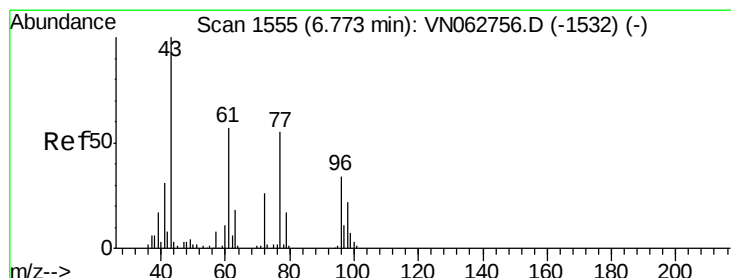
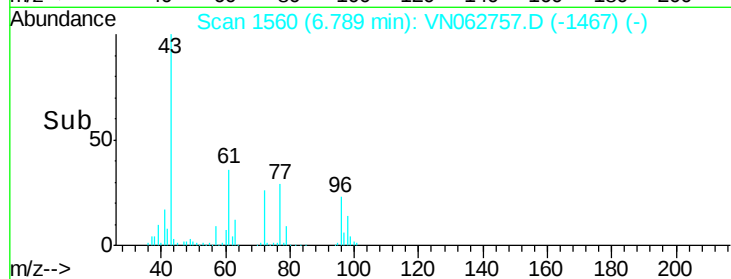
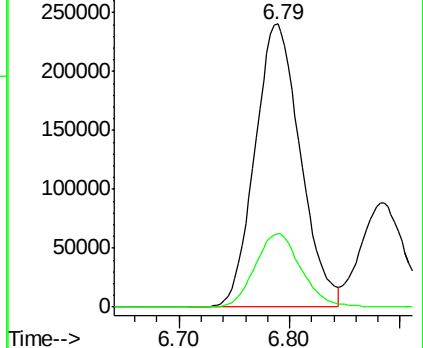
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 91.672 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN062757.D

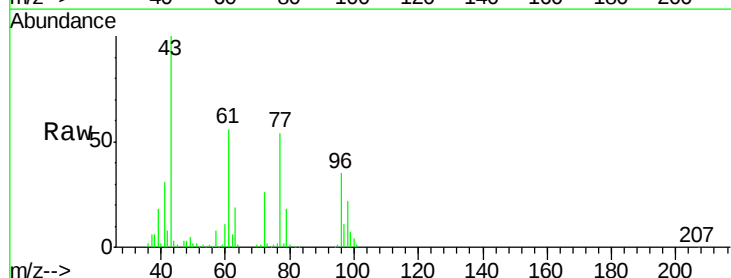
Acq: 5 Aug 2020 12:40

Tgt Ion: 77 Resp: 293688

Ion Ratio Lower Upper

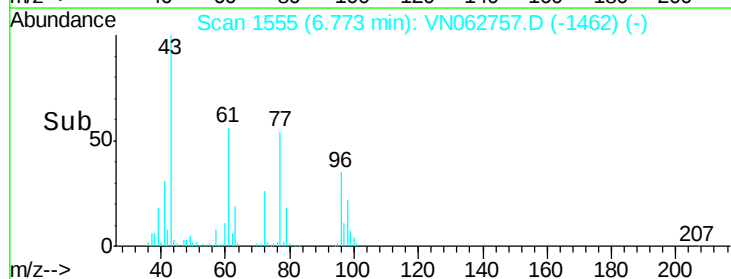
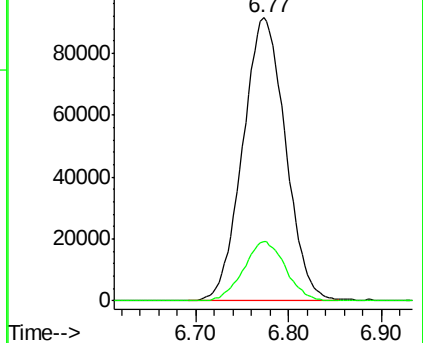
77 100

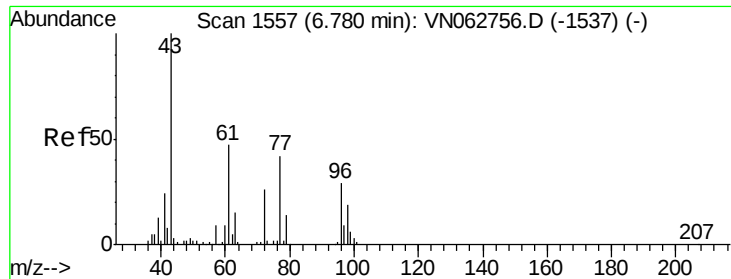
97 20.5 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 87.368 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN062757.D

Acq: 5 Aug 2020 12:40

Instrument :

MSVOA_N

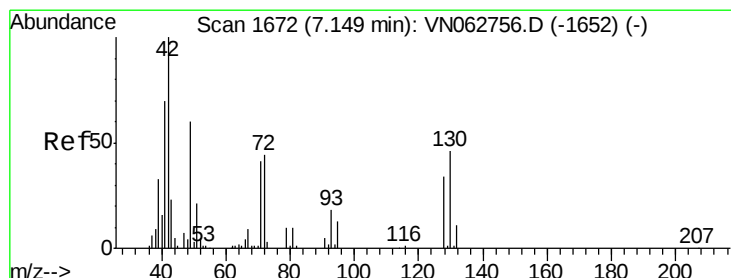
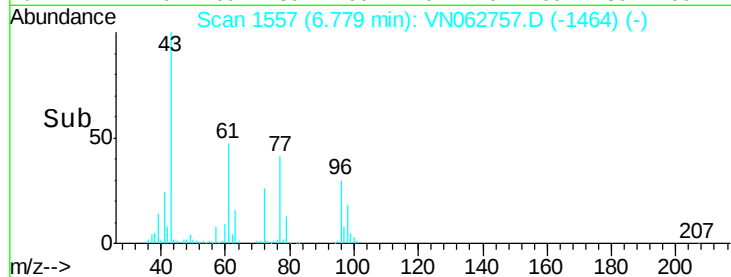
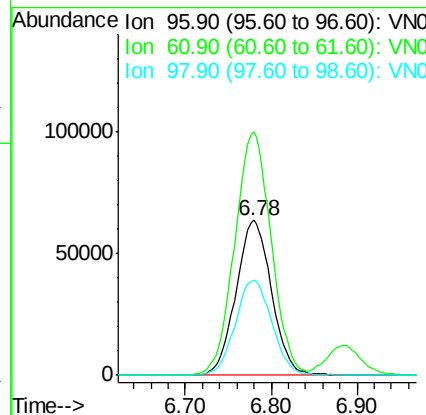
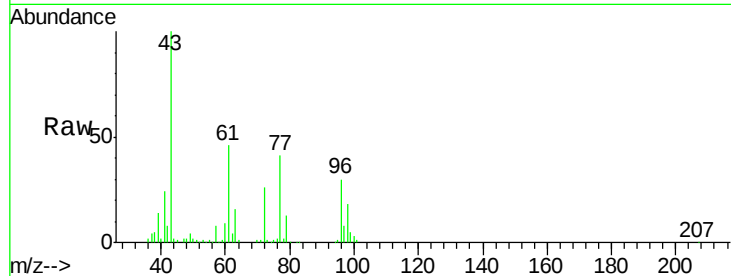
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	182943
Ion	Ratio	Lower	Upper
96	100		
61	160.9	0.0	332.2
98	63.5	0.0	129.4

Manual Integrations
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#28

Bromochloromethane

Concen: 91.737 ug/l

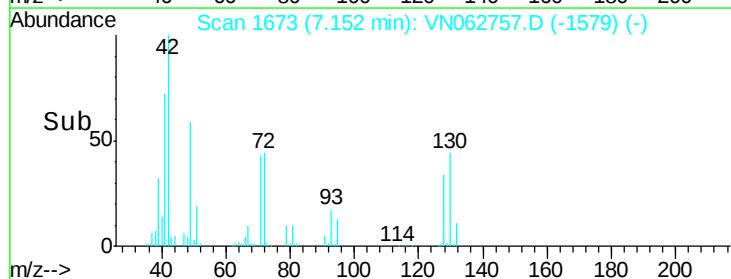
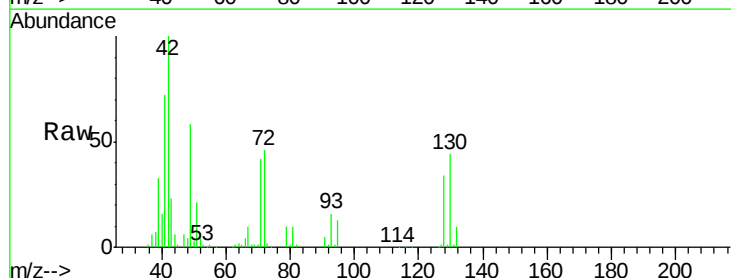
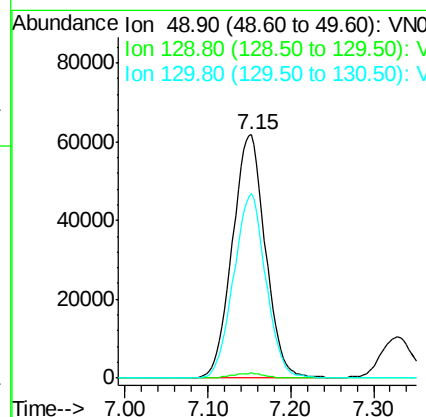
RT: 7.15 min Scan# 1673

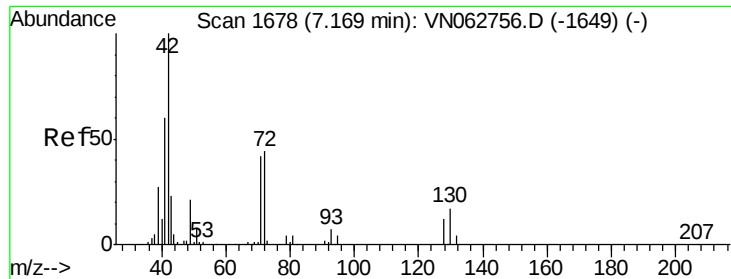
Delta R.T. 0.00 min

Lab File: VN062757.D

Acq: 5 Aug 2020 12:40

Tgt Ion:	49	Resp:	171356
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.2
130	73.9	59.0	88.6





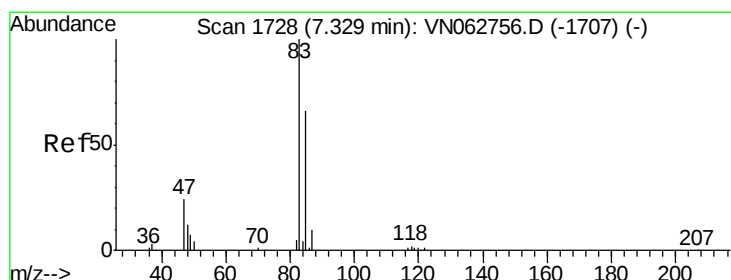
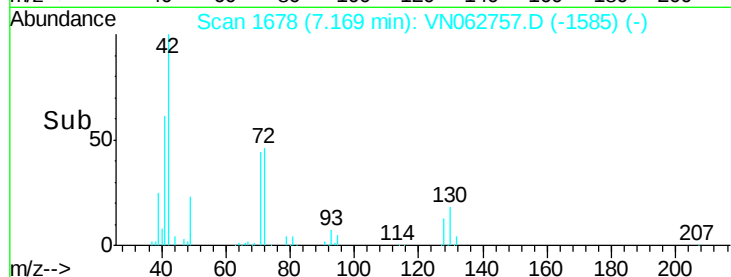
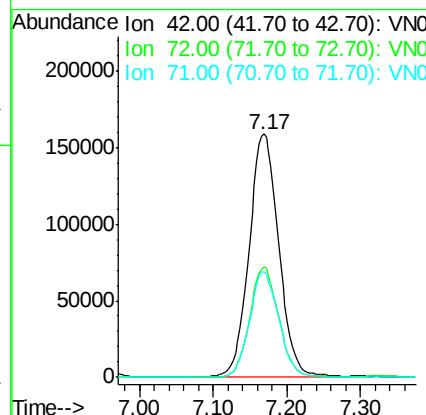
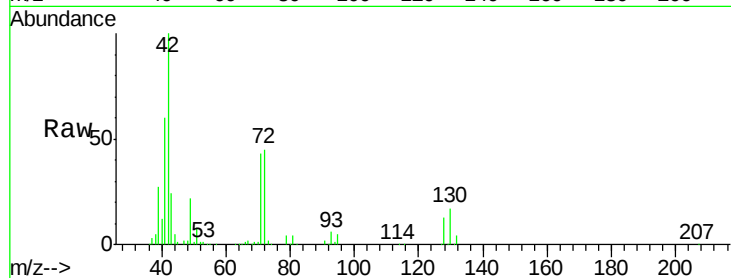
#29
Tetrahydrofuran
Concen: 474.941 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN062757.D
Acq: 5 Aug 2020 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	35.0	52.4
71	42.7	33.2	49.8

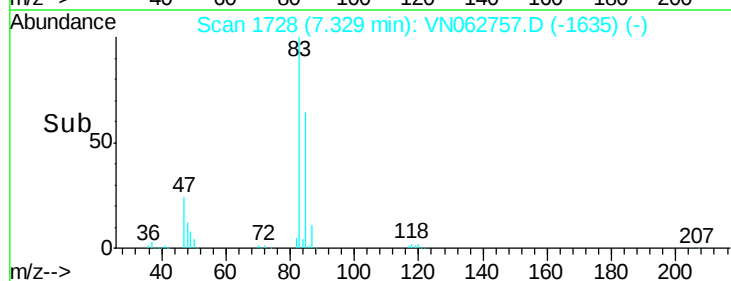
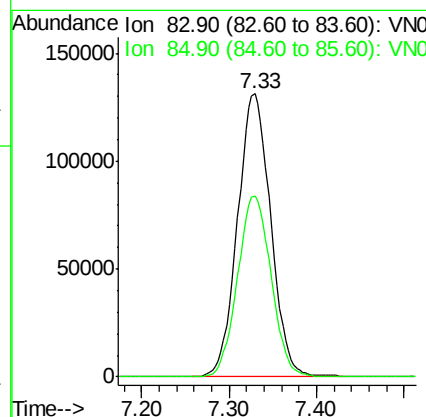
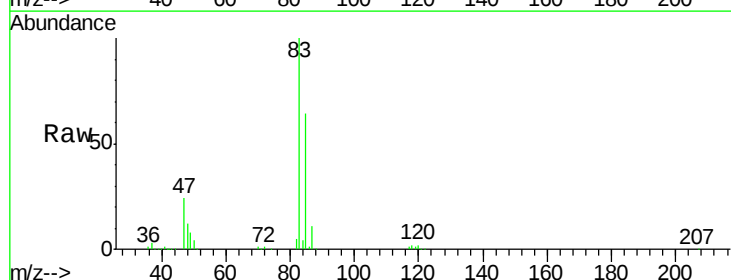
Manual Integrations
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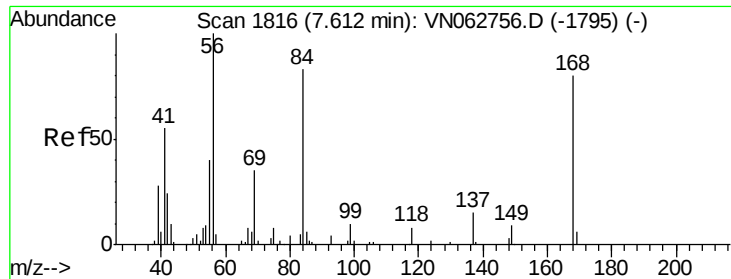
MMDadoda
8/6/2020 1:51:48 PM



#30
Chloroform
Concen: 93.236 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN062757.D
Acq: 5 Aug 2020 12:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.7	79.1





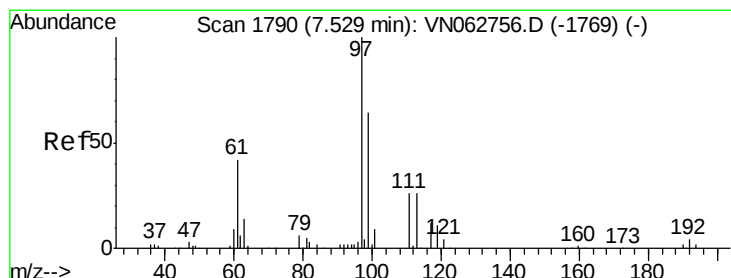
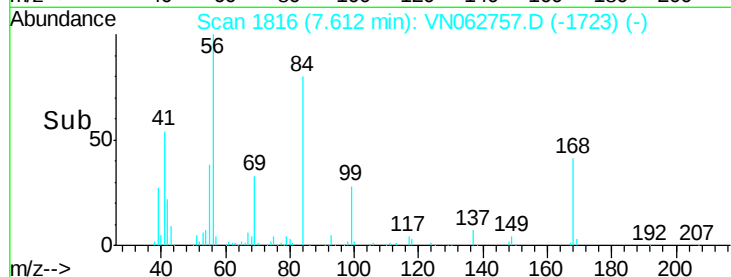
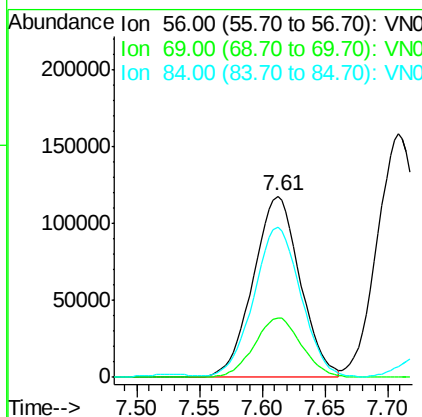
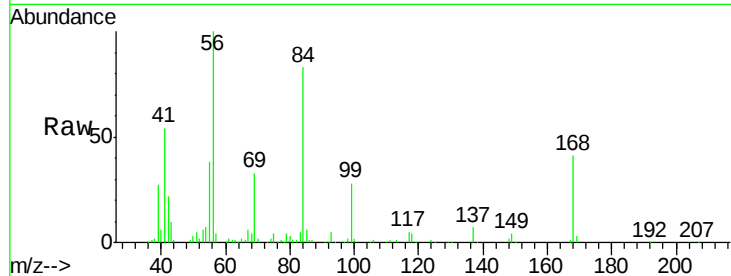
#31
Cyclohexane
Concen: 86.685 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN062757.D
Acq: 5 Aug 2020 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.8	28.1	42.1
84	81.8	66.8	100.2

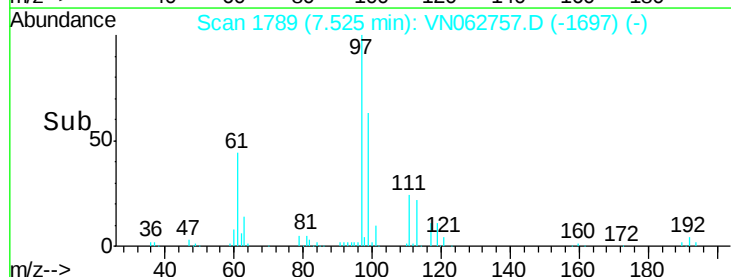
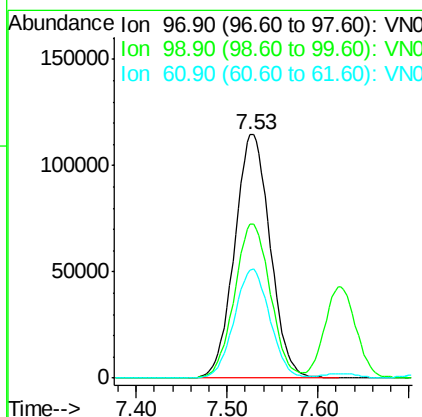
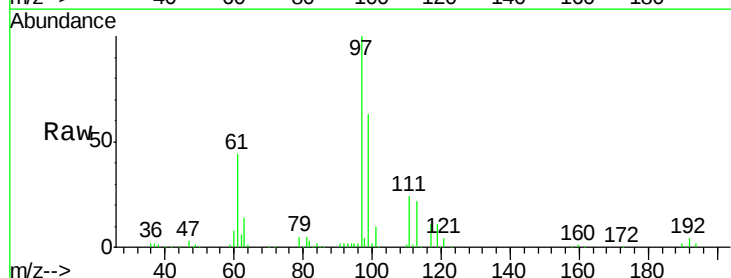
Manual Integrations
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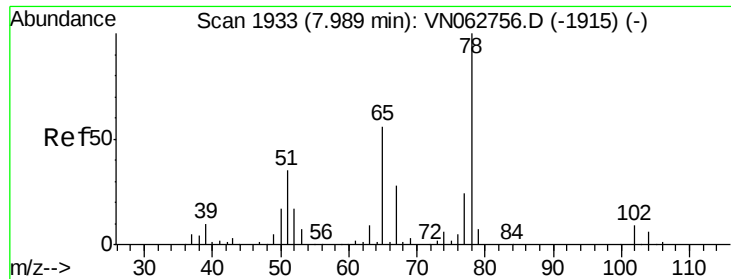
MMDadoda
8/6/2020 1:51:48 PM



#32
1,1,1-Trichloroethane
Concen: 99.286 ug/l
RT: 7.53 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VN062757.D
Acq: 5 Aug 2020 12:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.0	75.0
61	44.7	34.8	52.2





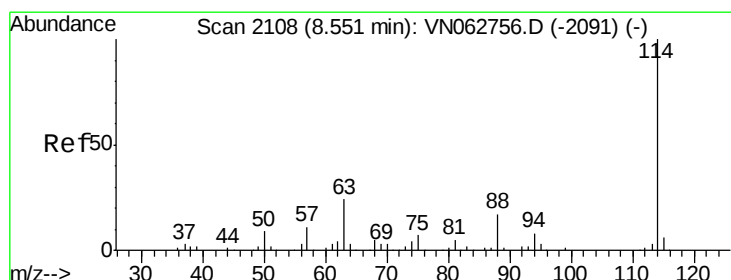
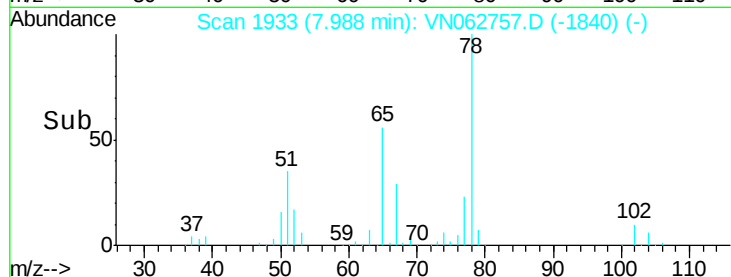
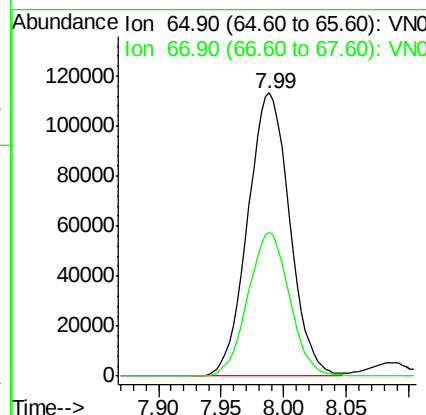
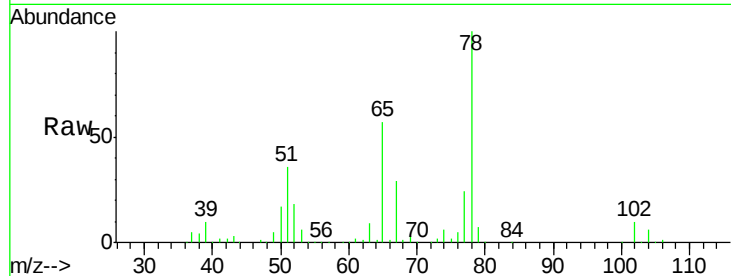
#33
 1,2-Dichloroethane-d4
 Concen: 106.563 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062757.D
 Acq: 5 Aug 2020 12:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	263864		
67	50.4	0.0	101.4	

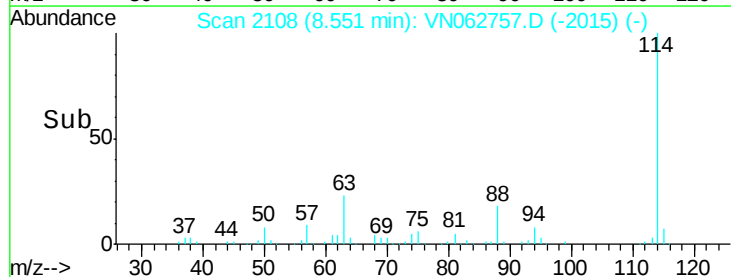
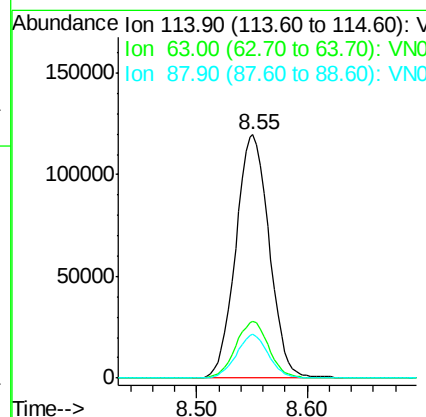
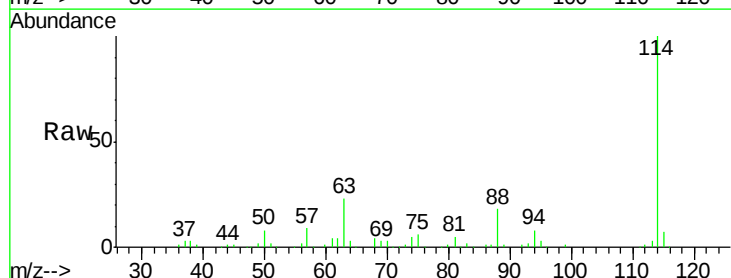
Manual Integrations
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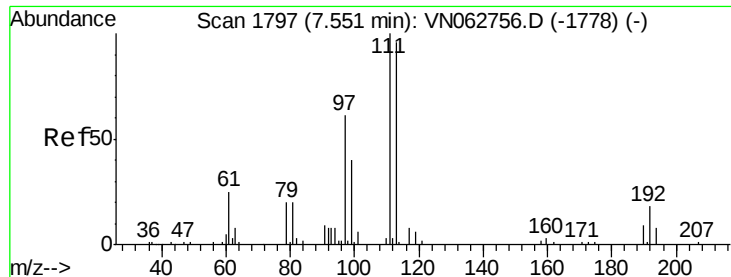
MMDadoda
 8/6/2020 1:51:48 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062757.D
 Acq: 5 Aug 2020 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	251736		
63	23.5	0.0	47.6	
88	18.0	0.0	34.4	





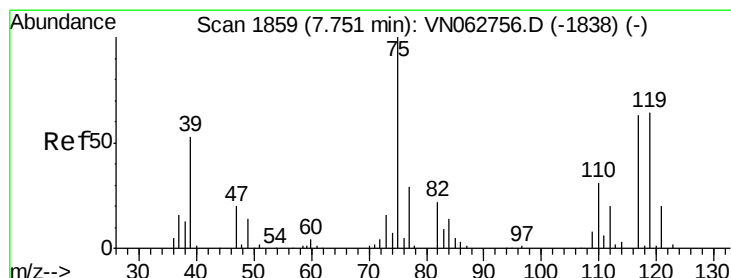
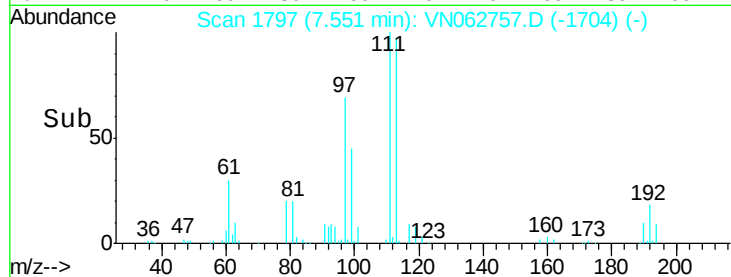
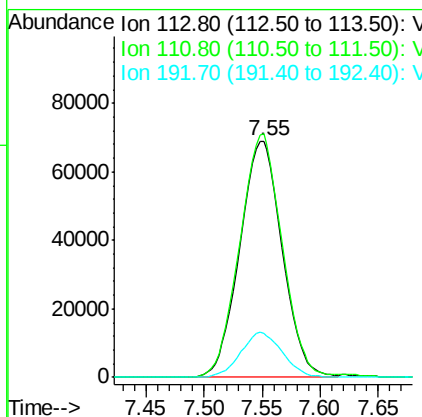
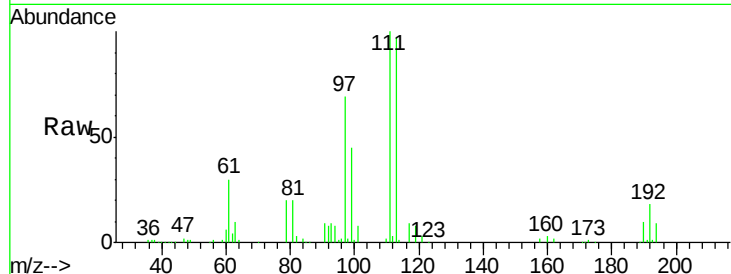
#35
 Dibromofluoromethane
 Concen: 105.983 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VN062757.D
 Acq: 5 Aug 2020 12:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	175504		
111	102.8	81.8	122.6	
192	18.8	15.0	22.4	

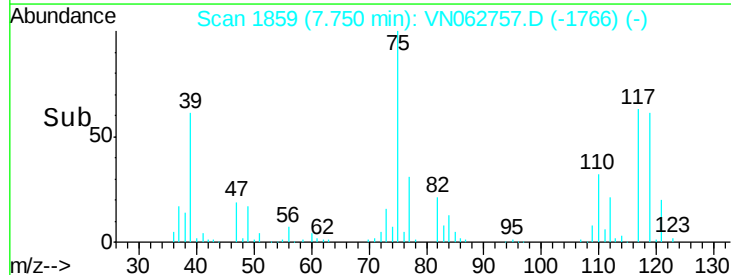
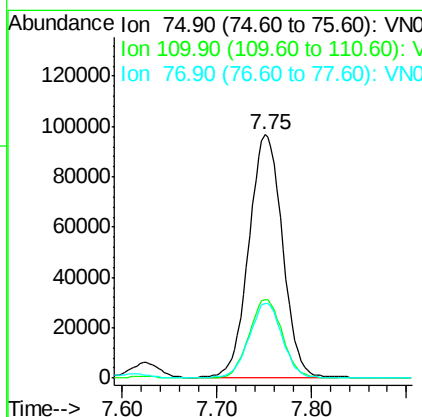
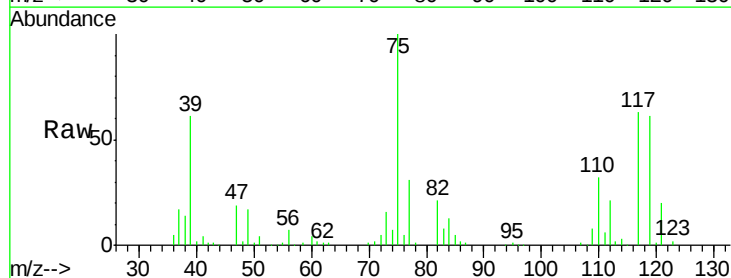
Manual Integrations
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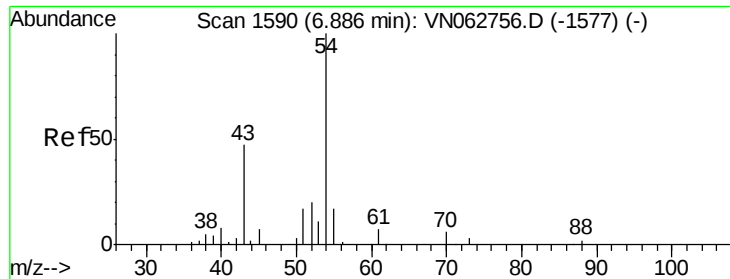
MMDadoda
 8/6/2020 1:51:48 PM



#36
 1,1-Dichloropropene
 Concen: 89.988 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062757.D
 Acq: 5 Aug 2020 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	237530		
110	32.3	15.6	46.7	
77	30.7	24.1	36.1	





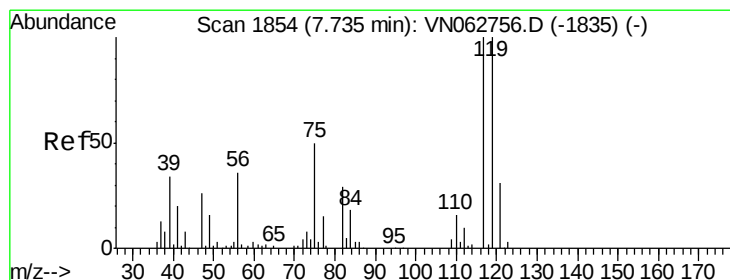
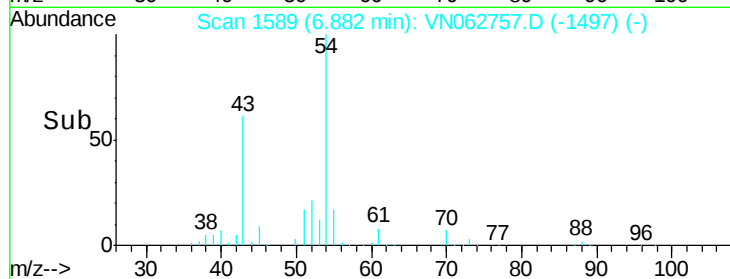
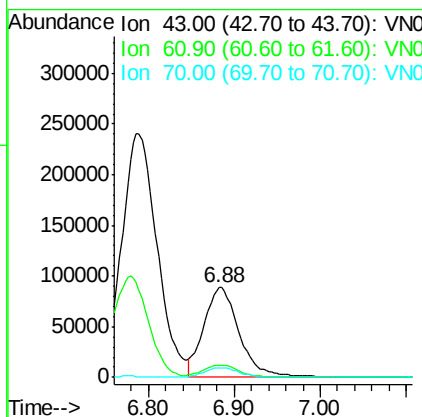
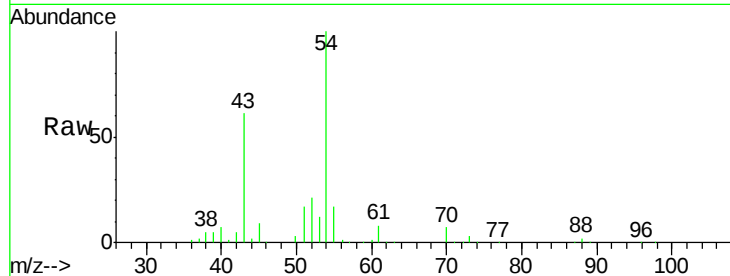
#37
Ethyl Acetate
Concen: 88.828 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN062757.D
Acq: 5 Aug 2020 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	12.1	18.1
70	10.8	8.3	12.5

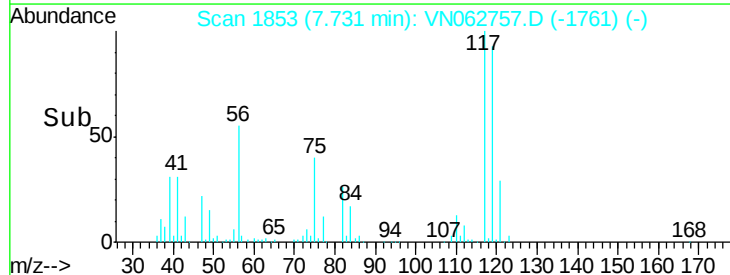
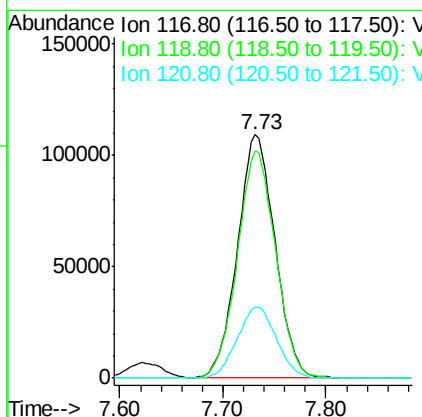
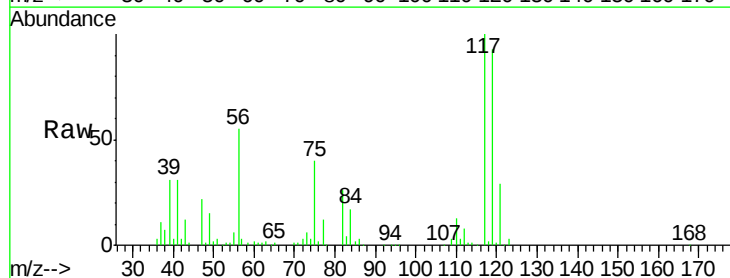
Manual Integrations
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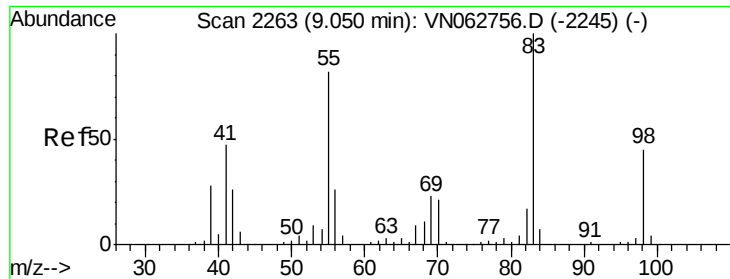
MMDadoda
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#38
Carbon Tetrachloride
Concen: 105.691 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062757.D
Acq: 5 Aug 2020 12:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.4	79.4	119.2
121	29.2	24.9	37.3





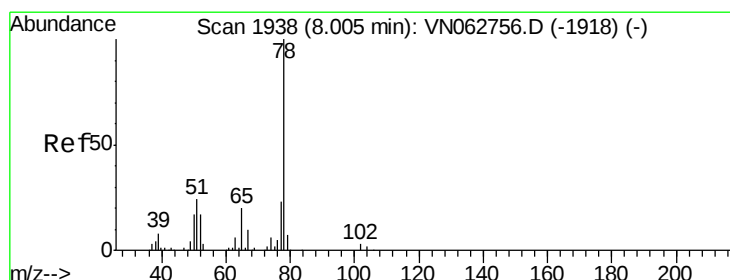
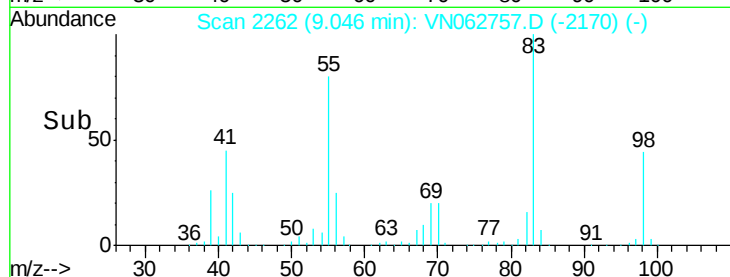
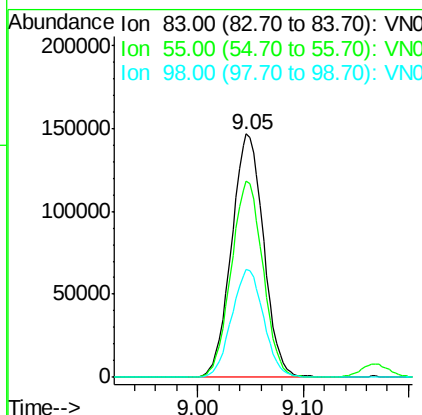
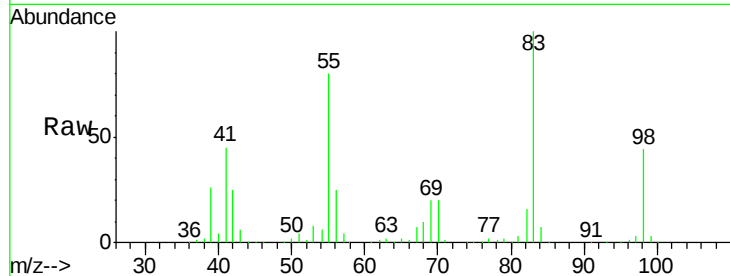
#39
Methvlcvclohexane
Concen: 106.906 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062757.D
Acq: 5 Aug 2020 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	80.4	65.7	98.5	
98	44.1	35.6	53.4	

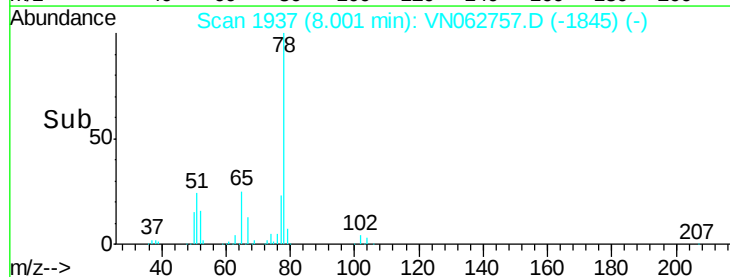
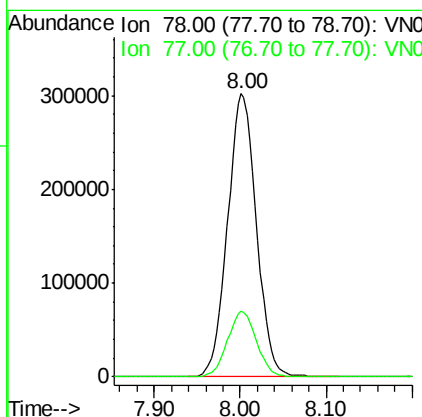
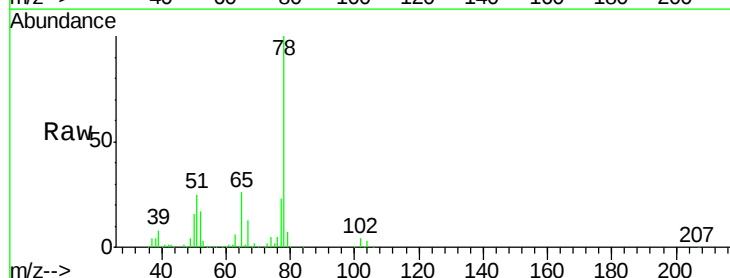
Manual Integrations
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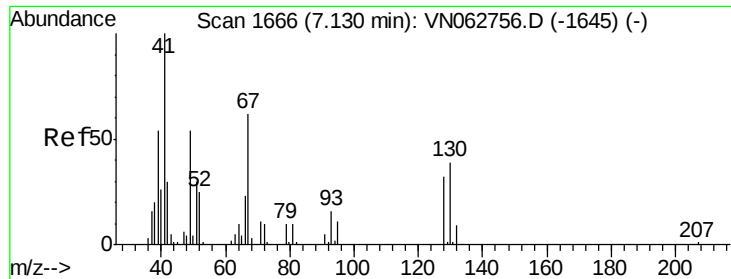
MMDadoda
8/6/2020 1:51:48 PM



#40
Benzene
Concen: 88.474 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062757.D
Acq: 5 Aug 2020 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.1	18.1	27.1	





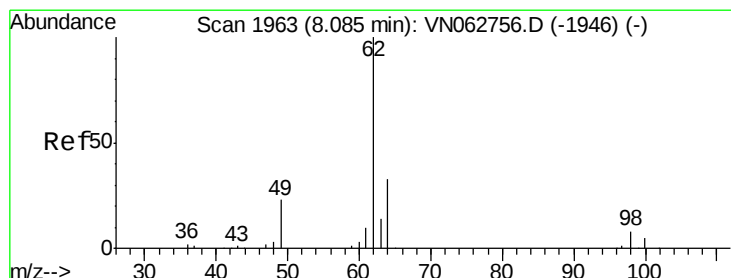
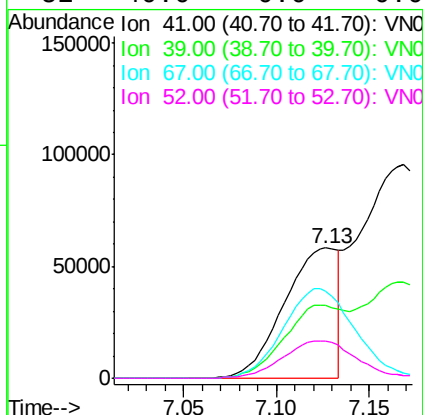
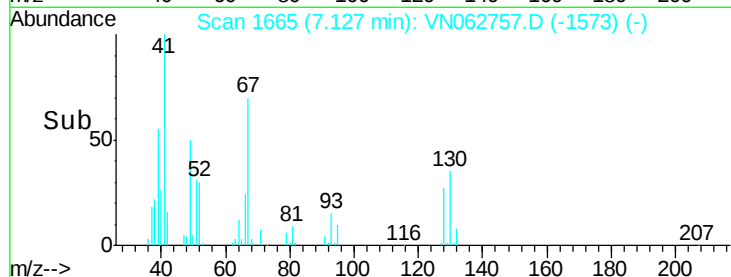
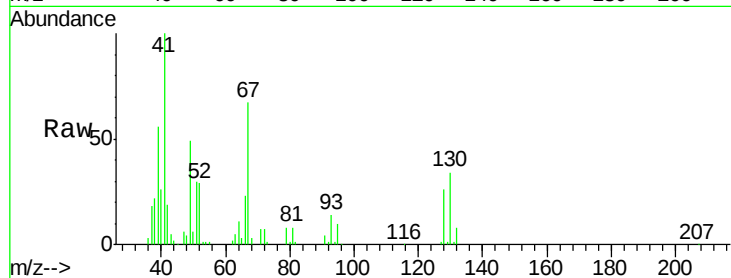
#41
Methacrylonitrile
Concen: 93.898 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VN062757.D
Acq: 5 Aug 2020 12:40

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	65.4	69.4	104.2#
67	93.1	0.0	0.0#
52	40.0	0.0	0.0#

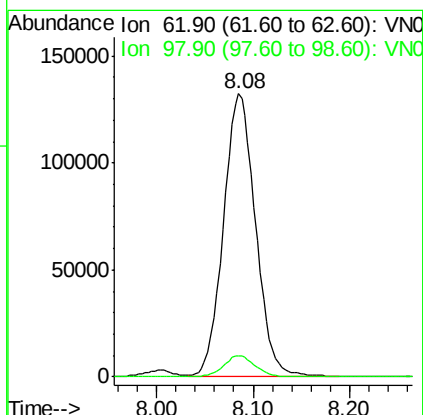
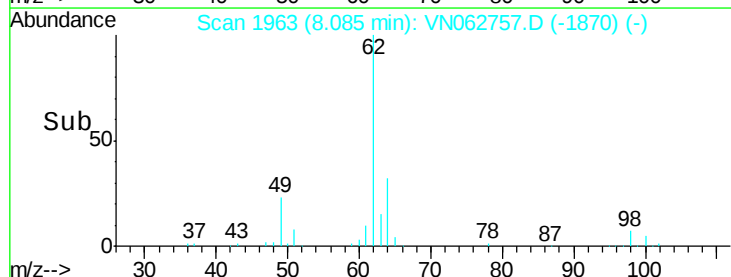
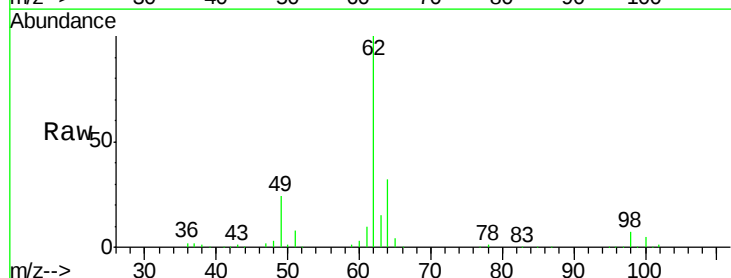
Manual Integrations
APPROVED

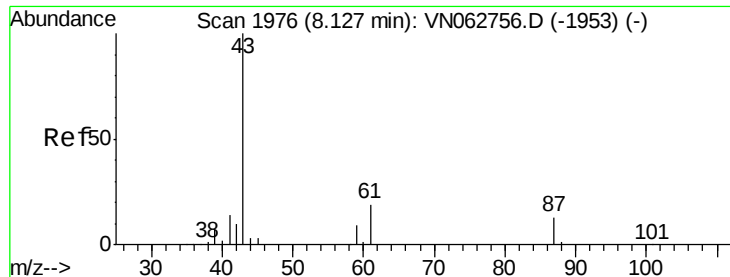
MMDadoda
8/6/2020 1:51:48 PM



#42
1,2-Dichloroethane
Concen: 101.597 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062757.D
Acq: 5 Aug 2020 12:40

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	15.8





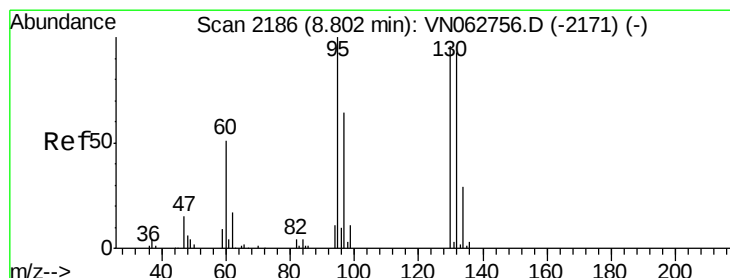
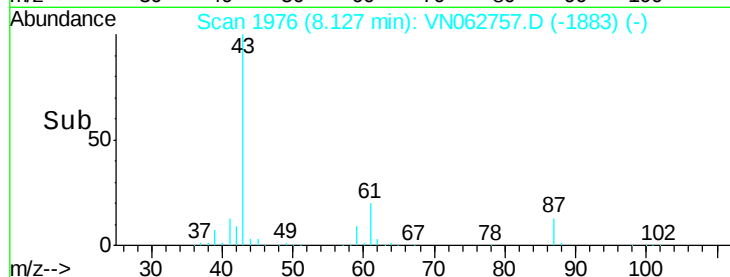
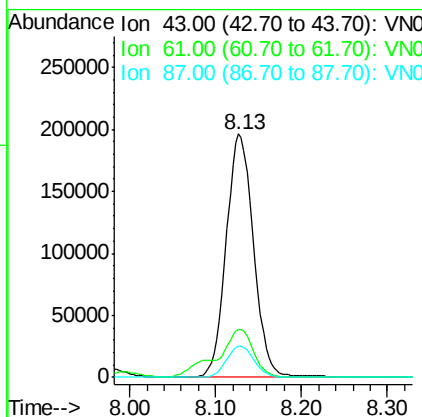
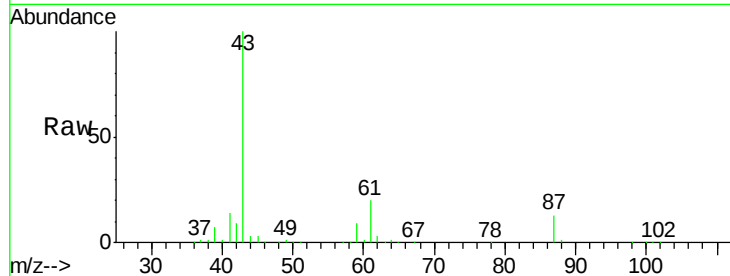
#43
Isopropyl Acetate
Concen: 94.603 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN062757.D
Acq: 5 Aug 2020 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.3	15.8	23.6#
87	13.0	9.9	14.9

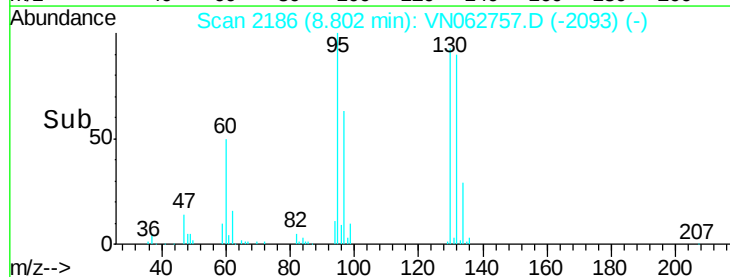
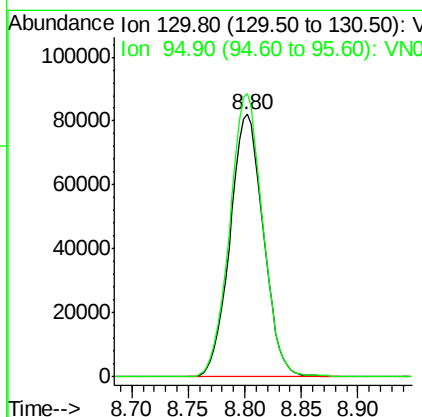
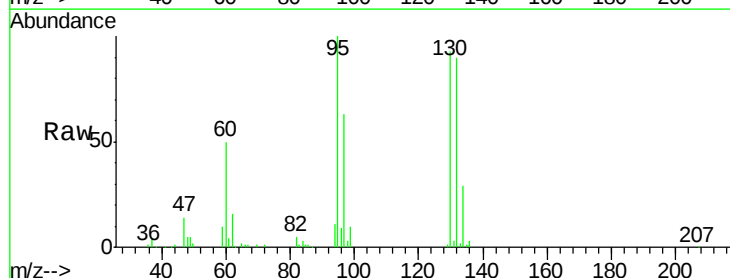
Manual Integrations
APPROVED

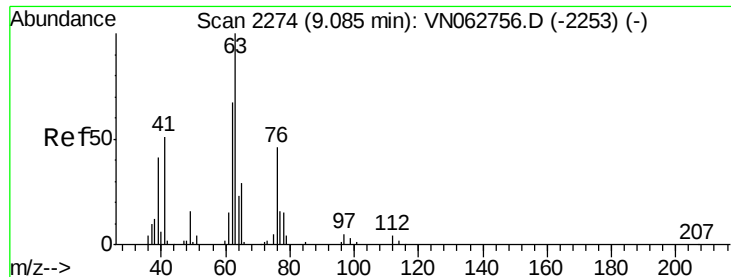
MMDadoda
8/6/2020 1:51:48 PM



#44
Trichloroethene
Concen: 93.319 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VN062757.D
Acq: 5 Aug 2020 12:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.8	0.0	207.6





#45

1,2-Dichloropropane

Concen: 86.941 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VN062757.D

Acq: 5 Aug 2020 12:40

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 63 Resp: 193640

Ion Ratio Lower Upper

63 100

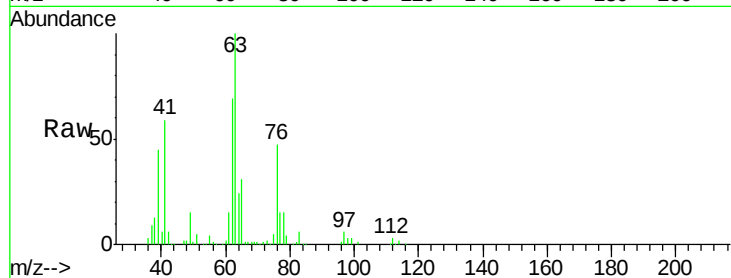
65 30.8 23.5 35.3

Manual Integrations

APPROVED

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8/6/2020 1:51:48 PM



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO

9.08

100000

80000

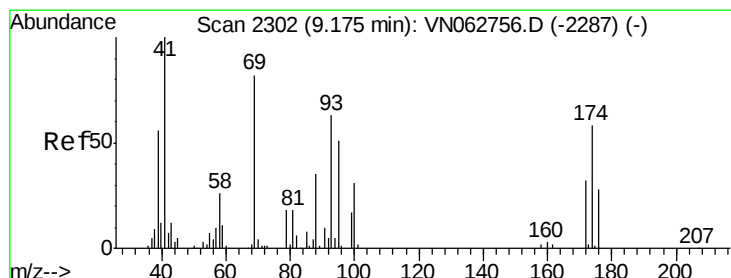
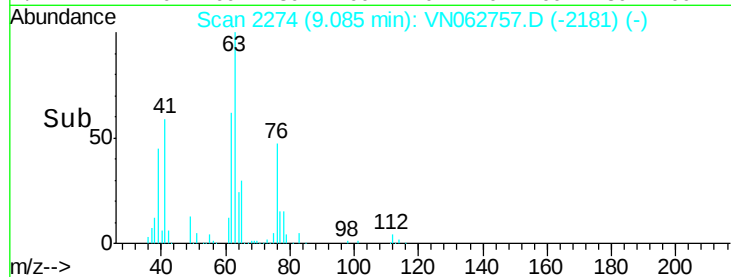
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 98.902 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN062757.D

Acq: 5 Aug 2020 12:40

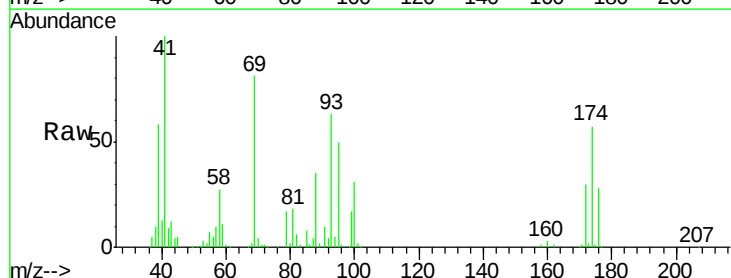
Tgt Ion: 93 Resp: 129467

Ion Ratio Lower Upper

93 100

95 81.6 65.1 97.7

174 91.9 73.9 110.9



Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO

9.17

80000

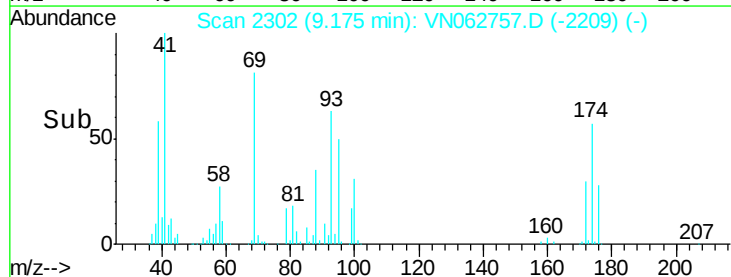
60000

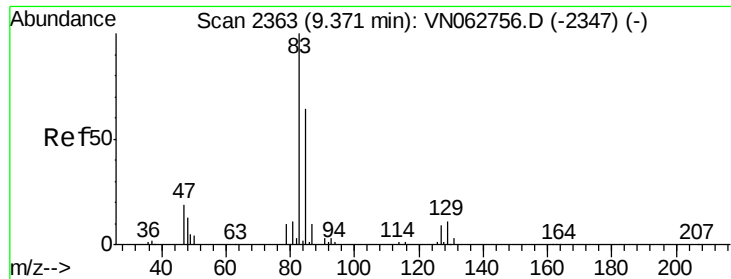
40000

20000

0

Time-->





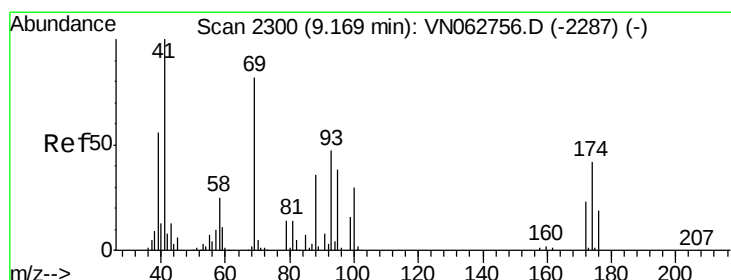
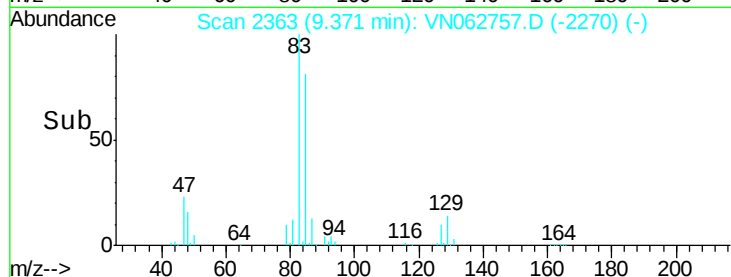
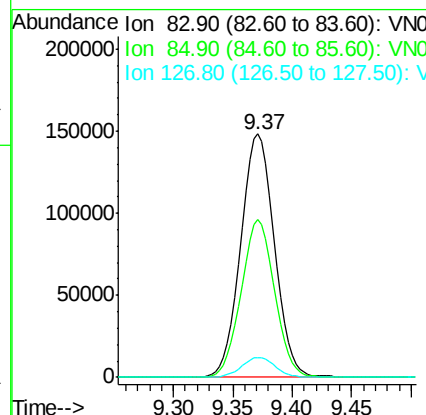
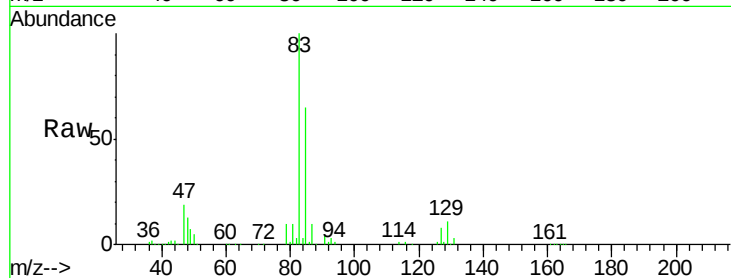
#47
Bromodichloromethane
Concen: 101.682 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. -0.00 min
Lab File: VN062757.D
Acq: 5 Aug 2020 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	291771		
85	64.6		51.4	77.0
127	8.1		6.9	10.3

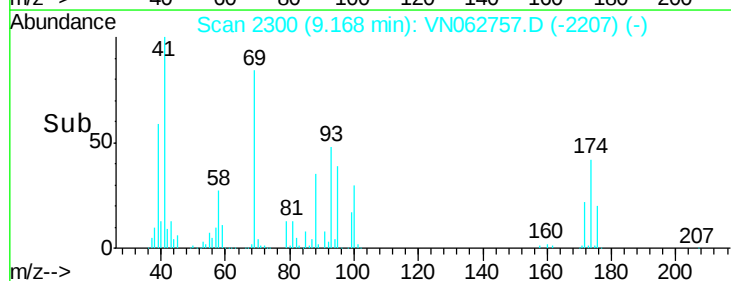
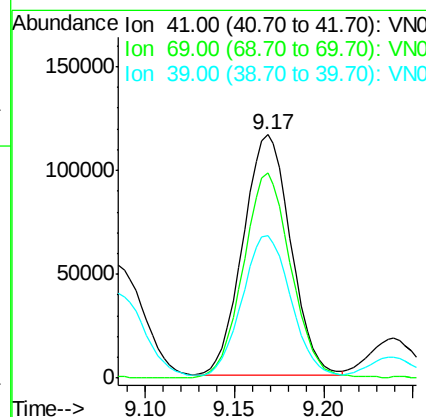
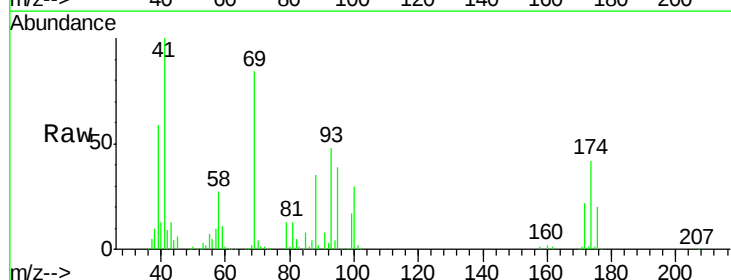
Manual Integrations
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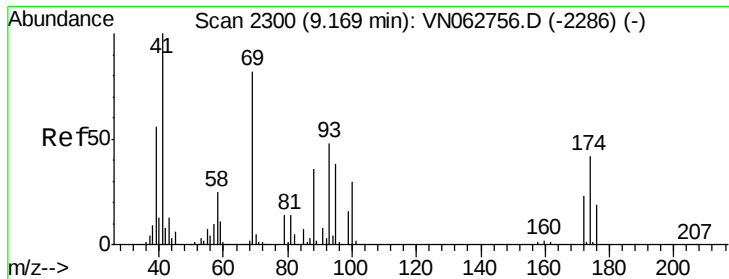
MMDadoda
8/6/2020 1:51:48 PM



#48
Methyl methacrylate
Concen: 99.141 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.00 min
Lab File: VN062757.D
Acq: 5 Aug 2020 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	216627		
69	85.2		67.4	101.2
39	60.8		47.6	71.4





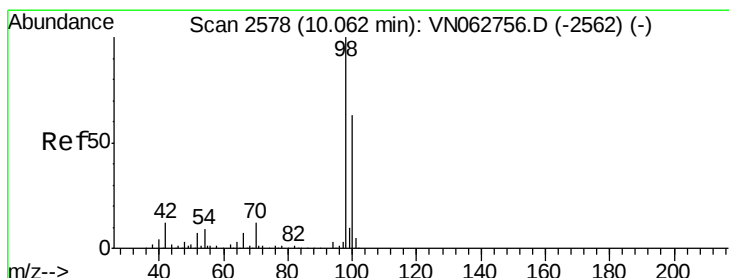
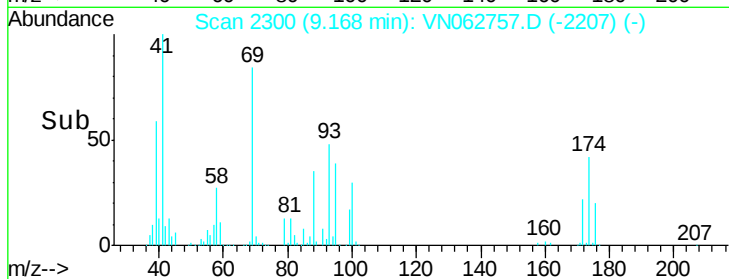
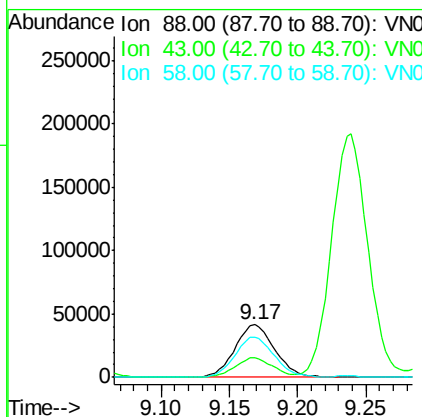
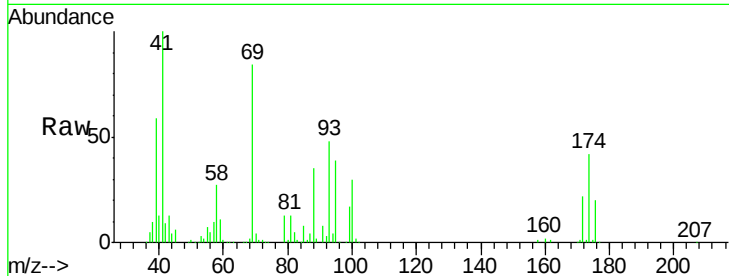
#49
1,4-Dioxane
Concen: 2412.633 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.00 min
Lab File: VN062757.D
Acq: 5 Aug 2020 12:40

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.4	29.5	44.3
58	75.2	59.8	89.8

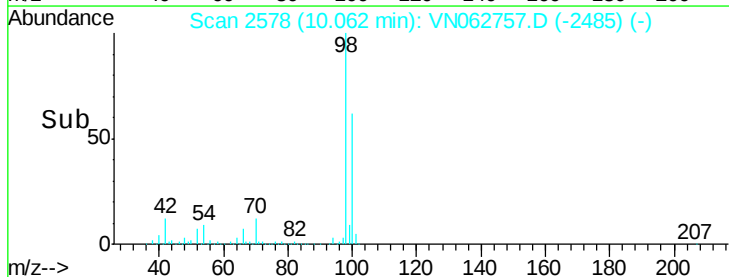
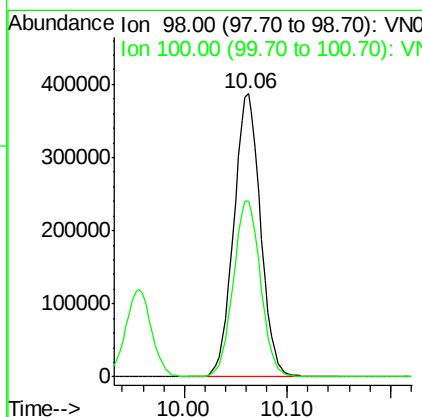
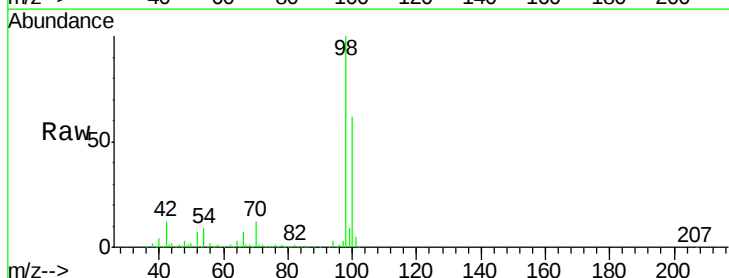
Manual Integrations
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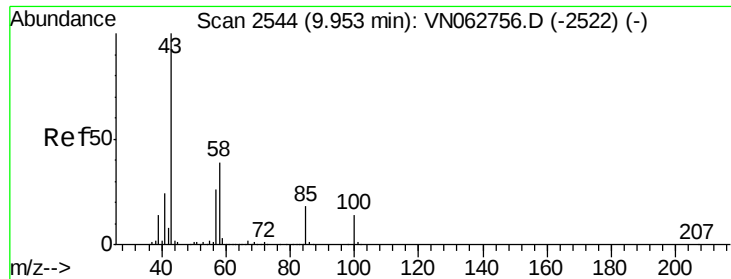
MMDadoda
8/6/2020 1:51:48 PM



#50
Toluene-d8
Concen: 105.938 ug/l
RT: 10.06 min Scan# 2578
Delta R.T. -0.00 min
Lab File: VN062757.D
Acq: 5 Aug 2020 12:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	50.9	76.3





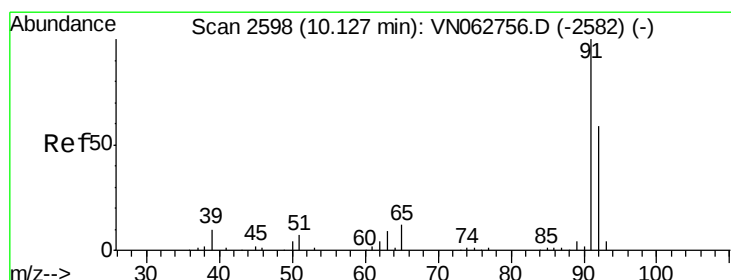
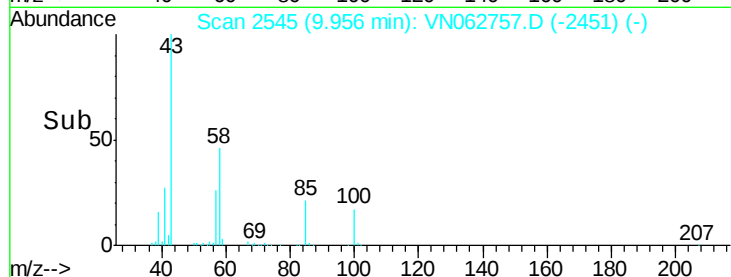
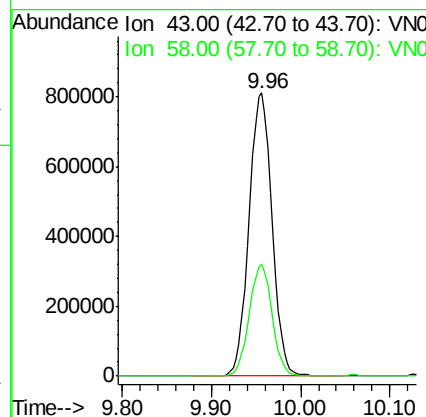
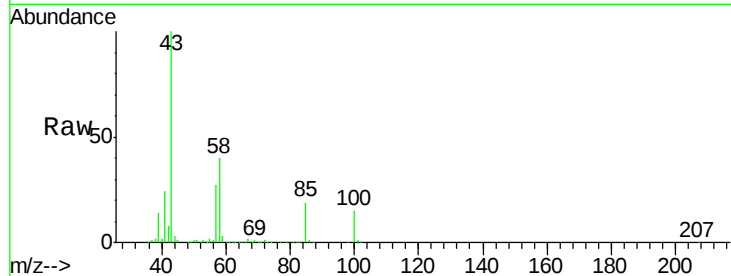
#51
4-Methyl-2-Pentanone
Concen: 525.486 ug/l
RT: 9.96 min Scan# 2545
Delta R.T. 0.00 min
Lab File: VN062757.D
Acq: 5 Aug 2020 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1457732
Ion Ratio Lower Upper
43 100
58 39.2 31.1 46.7

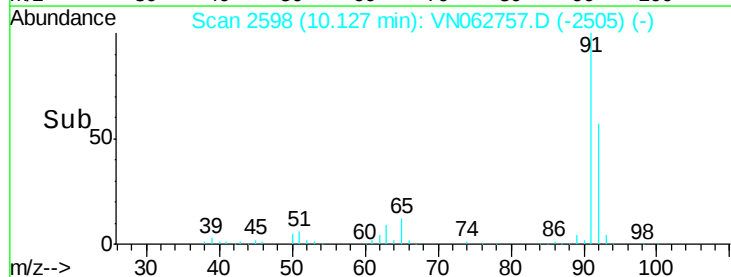
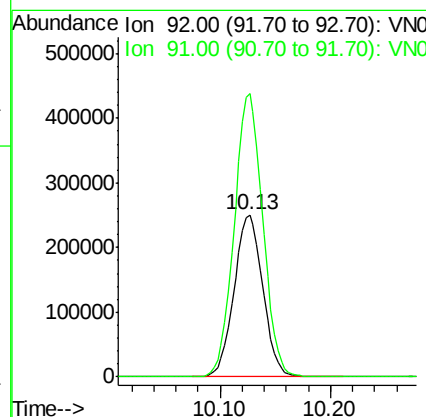
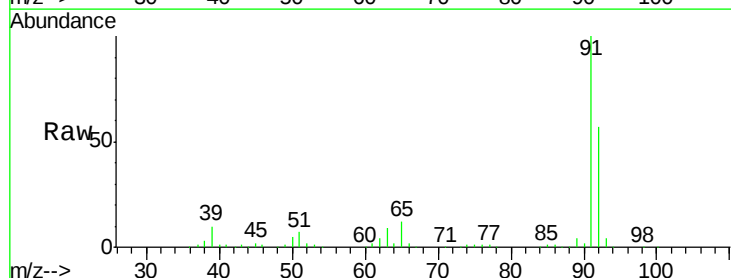
Manual Integrations
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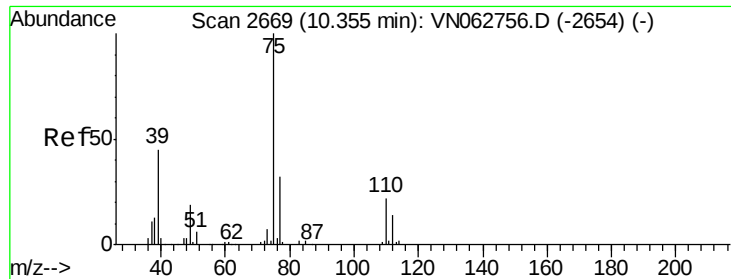
MMDadoda
8/6/2020 1:51:48 PM



#52
Toluene
Concen: 96.899 ug/l
RT: 10.13 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VN062757.D
Acq: 5 Aug 2020 12:40

Tgt Ion: 92 Resp: 451343
Ion Ratio Lower Upper
92 100
91 174.1 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 105.233 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN062757.D

Acq: 5 Aug 2020 12:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 333769

Ion Ratio Lower Upper

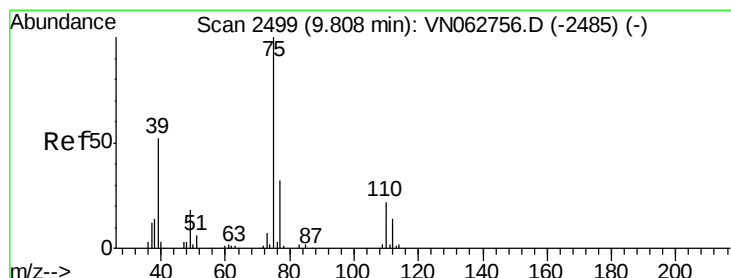
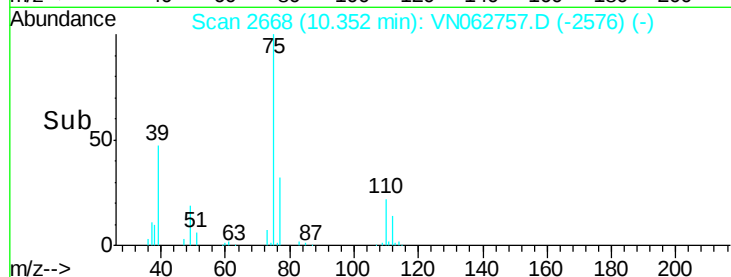
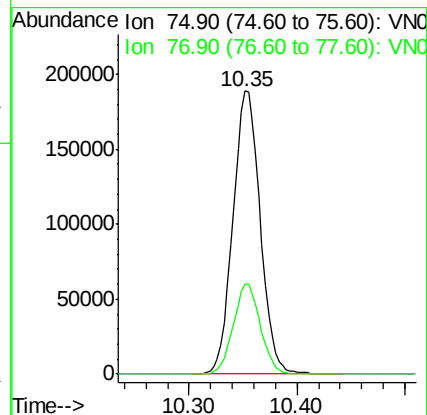
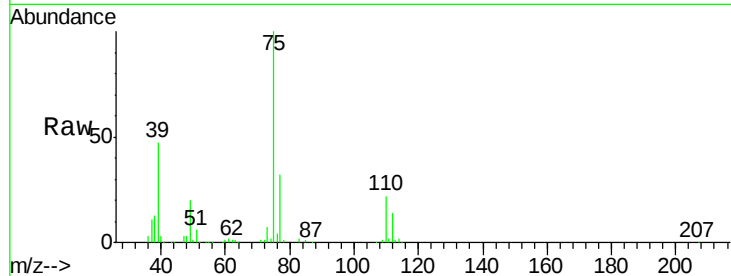
75 100

77 32.0 25.4 38.2

Manual Integrations
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8/6/2020 1:51:48 PM



#54

cis-1,3-Dichloropropene

Concen: 98.442 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN062757.D

Acq: 5 Aug 2020 12:40

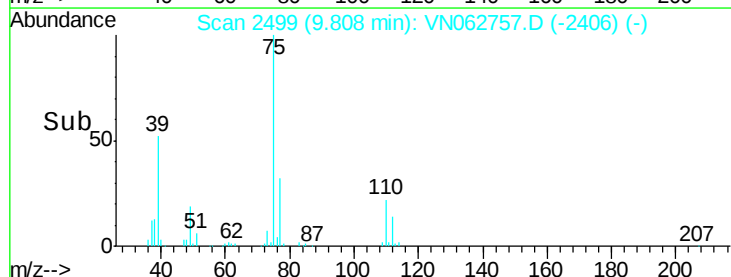
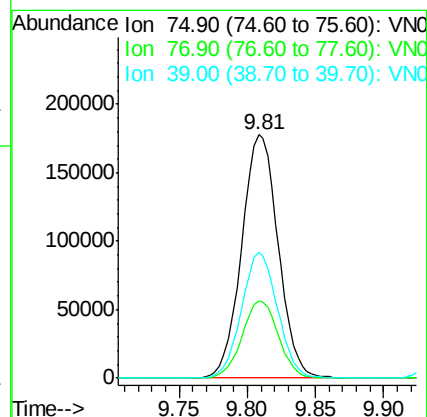
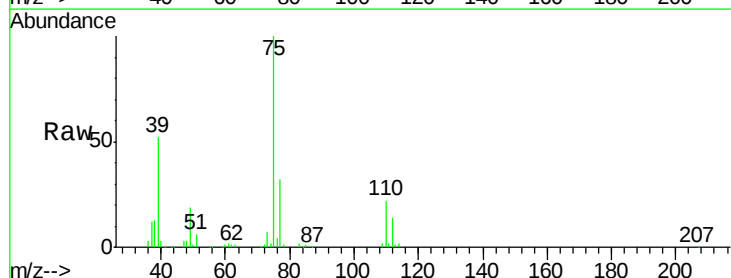
Tgt Ion: 75 Resp: 330293

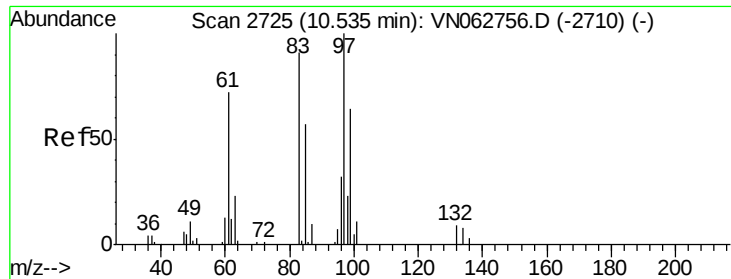
Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3

39 51.9 41.9 62.9





#55

1,1,2-Trichloroethane

Concen: 101.727 ug/l

RT: 10.53 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VN062757.D

Acq: 5 Aug 2020 12:40

Instrument :

MSVOA_N

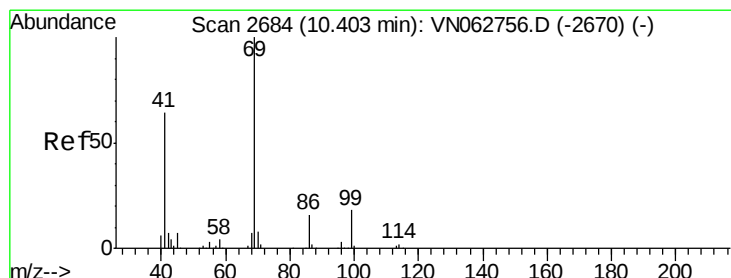
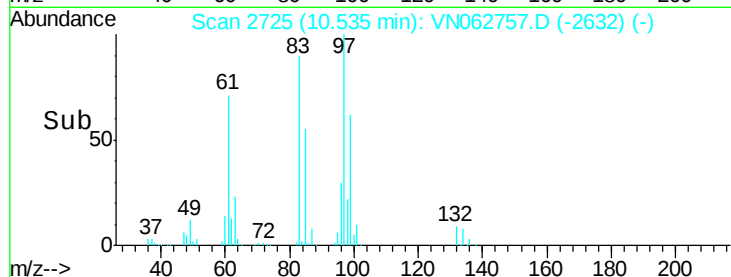
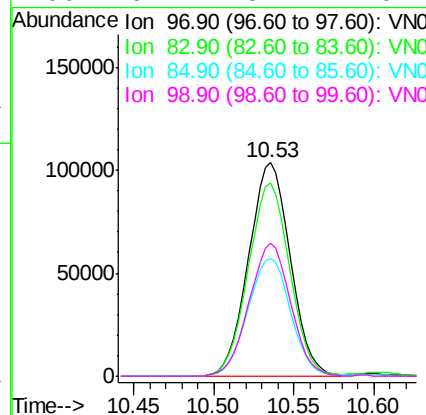
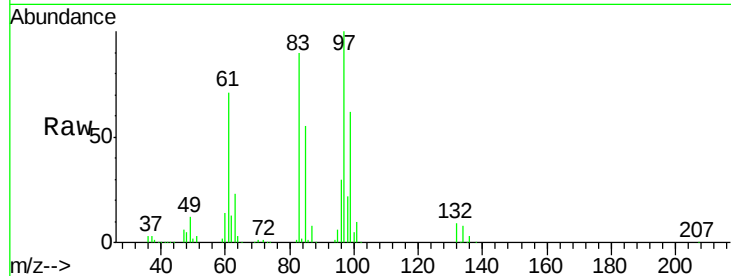
ClientSampleId :

VSTDIC100

Tot Ion:	97	Resp:	185717
Ion	Ratio	Lower	Upper
97	100		
83	90.4	72.6	108.8
85	55.4	46.0	69.0
99	62.1	51.1	76.7

Manual Integrations
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8/6/2020 1:51:48 PM



#56

Ethyl methacrylate

Concen: 109.925 ug/l

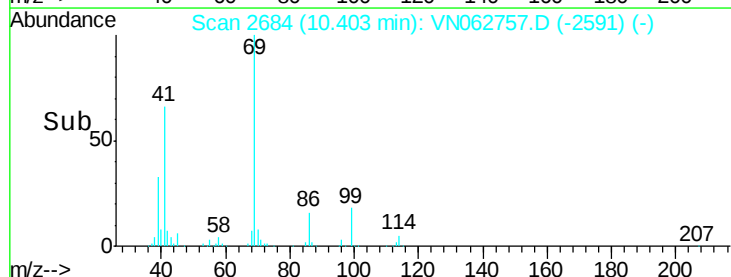
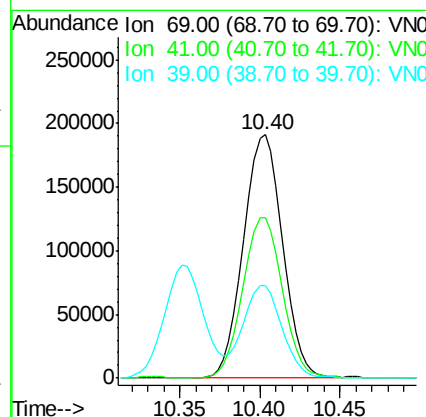
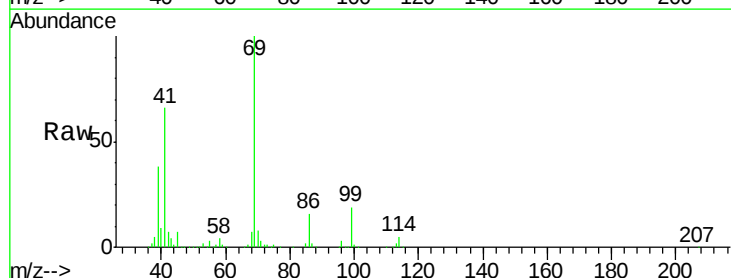
RT: 10.40 min Scan# 2684

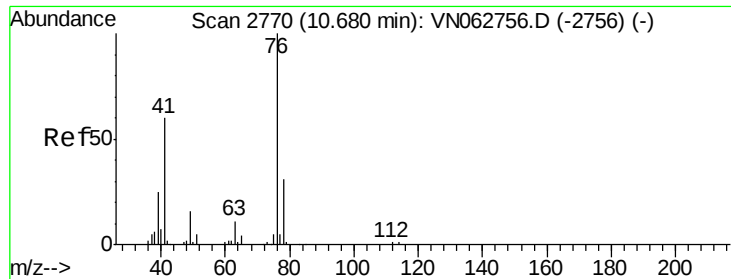
Delta R.T. -0.00 min

Lab File: VN062757.D

Acq: 5 Aug 2020 12:40

Tgt Ion:	69	Resp:	320127
Ion	Ratio	Lower	Upper
69	100		
41	66.3	52.2	78.2
39	38.3	30.9	46.3





#57

1,3-Dichloropropane

Concen: 98.260 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. -0.00 min

Lab File: VN062757.D

Acq: 5 Aug 2020 12:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 326923

Ion Ratio Lower Upper

76 100

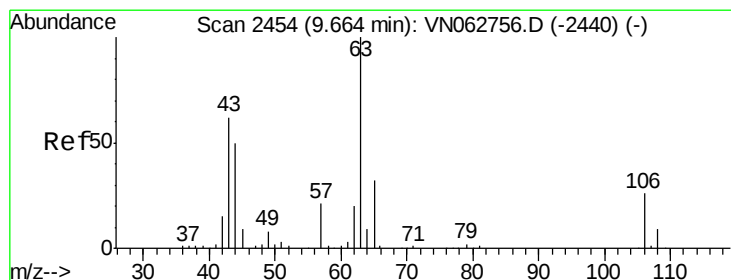
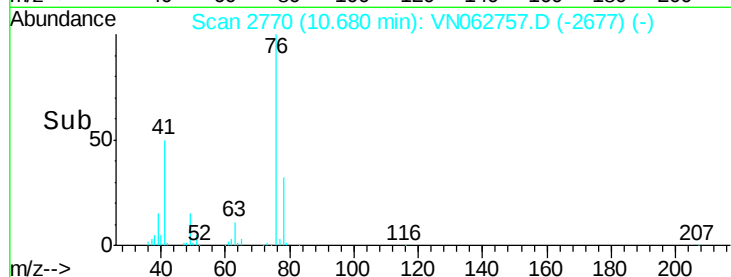
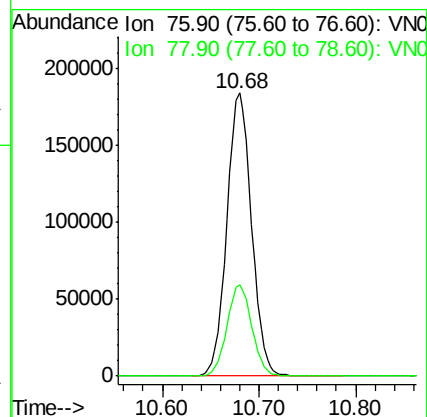
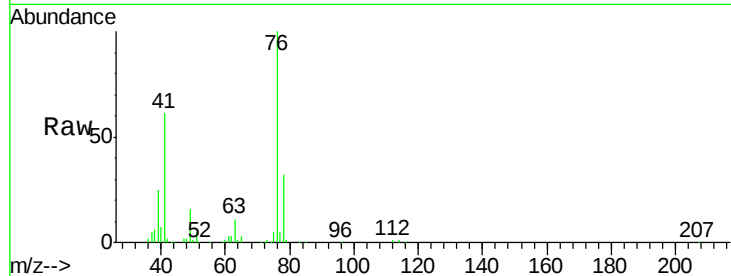
78 32.5 25.4 38.0

Manual Integrations

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8/6/2020 1:51:48 PM



#58

2-Chloroethyl Vinyl ether

Concen: 547.098 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VN062757.D

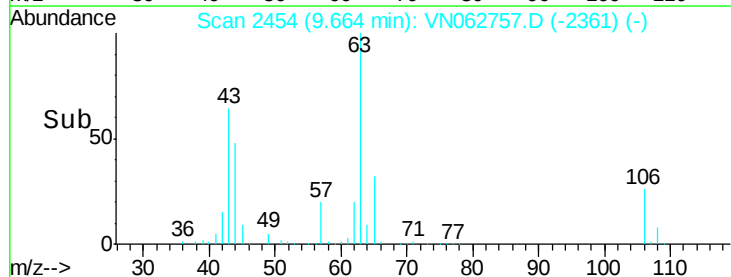
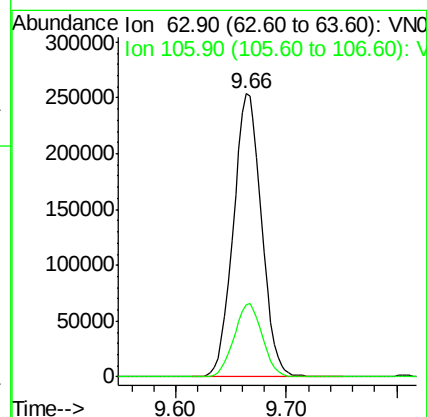
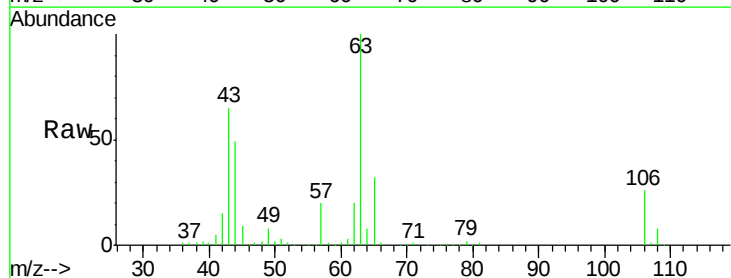
Acq: 5 Aug 2020 12:40

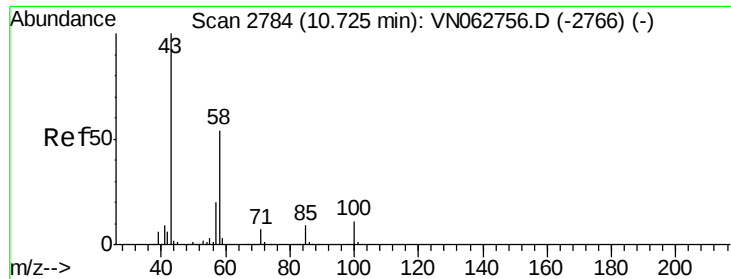
Tgt Ion: 63 Resp: 449135

Ion Ratio Lower Upper

63 100

106 25.9 20.9 31.3





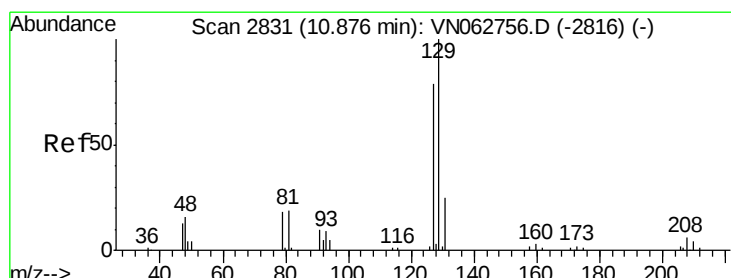
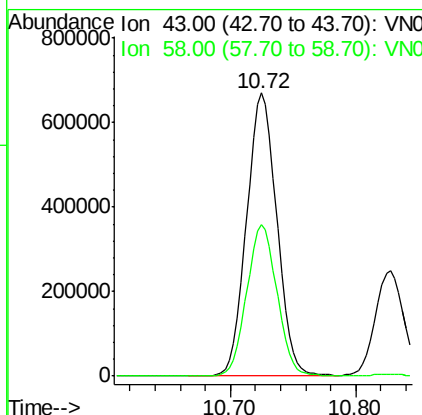
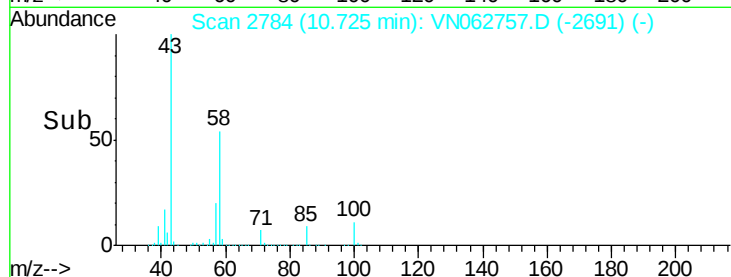
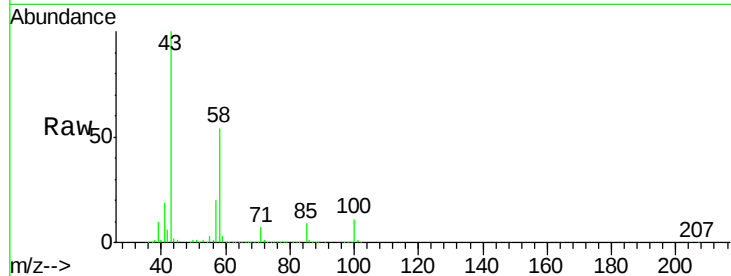
#59
2-Hexanone
Concen: 567.856 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. -0.00 min
Lab File: VN062757.D
Acq: 5 Aug 2020 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 1126169
Ion Ratio Lower Upper
43 100
58 53.6 26.7 80.1

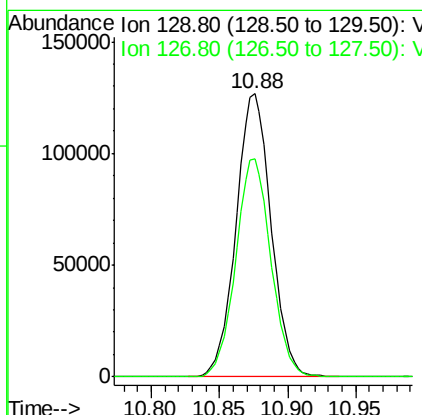
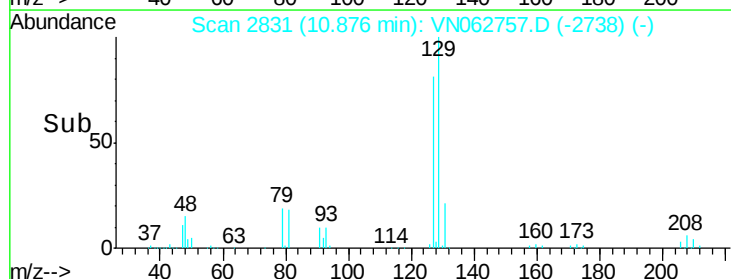
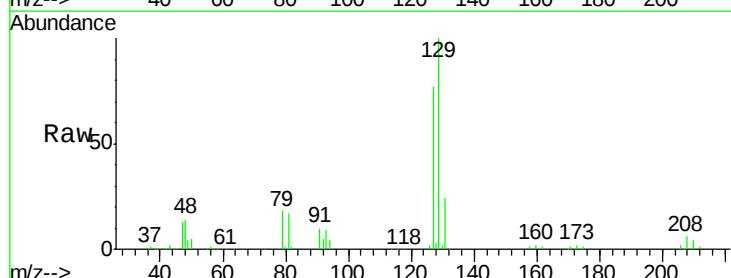
Manual Integrations
APPROVED

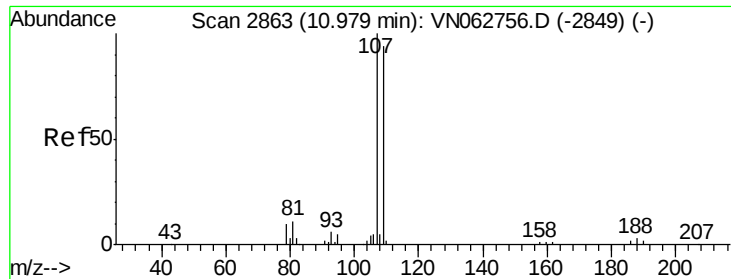
MMDadoda
8/6/2020 1:51:48 PM



#60
Dibromochloromethane
Concen: 109.953 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. -0.00 min
Lab File: VN062757.D
Acq: 5 Aug 2020 12:40

Tgt Ion: 129 Resp: 225989
Ion Ratio Lower Upper
129 100
127 77.3 39.1 117.2





#61

1,2-Dibromoethane

Concen: 102.342 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VN062757.D

Acq: 5 Aug 2020 12:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 193954

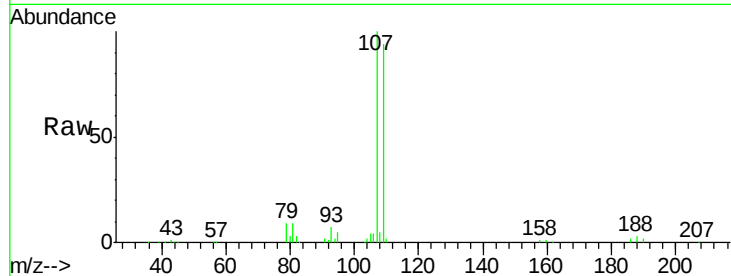
Ion Ratio Lower Upper

107 100

109 93.7 76.1 114.1

Manual Integrations
APPROVED

MMDadoda
8/6/2020 1:51:48 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

10.98

120000

100000

80000

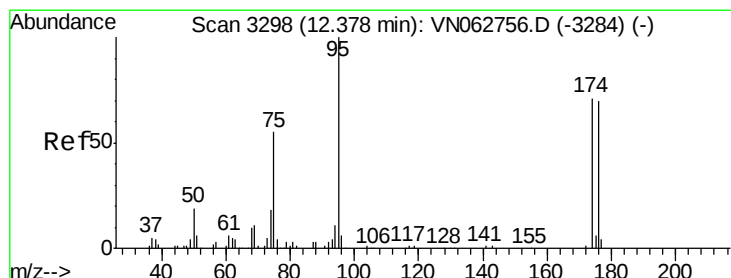
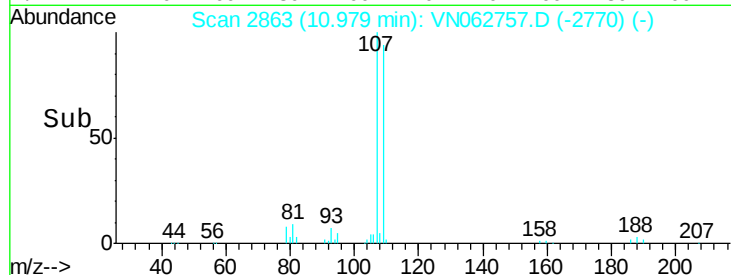
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 113.407 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062757.D

Acq: 5 Aug 2020 12:40

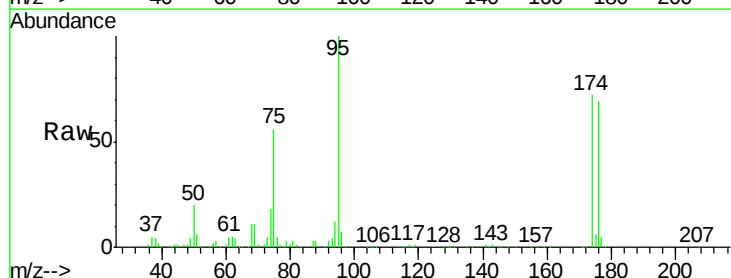
Tgt Ion: 95 Resp: 275448

Ion Ratio Lower Upper

95 100

174 72.2 0.0 144.8

176 69.9 0.0 142.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.38

200000

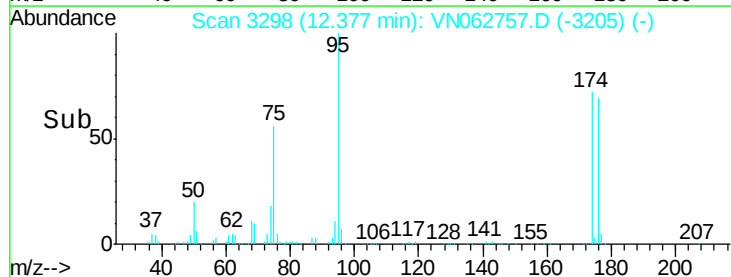
150000

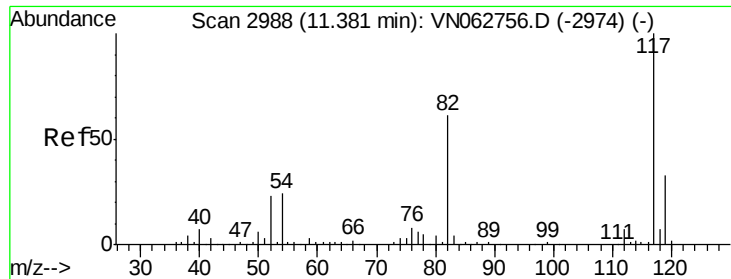
100000

50000

0

Time-->





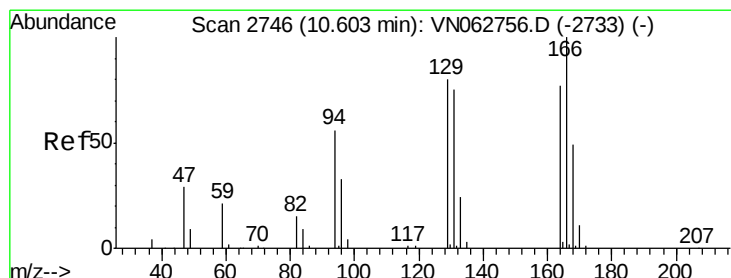
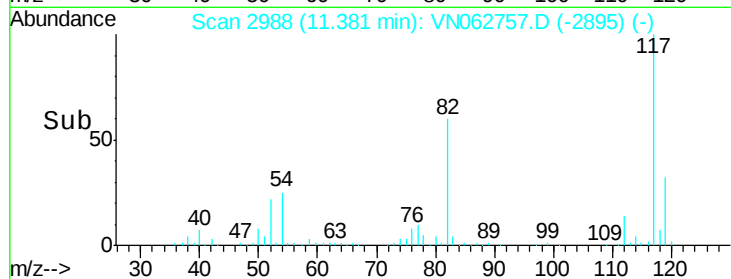
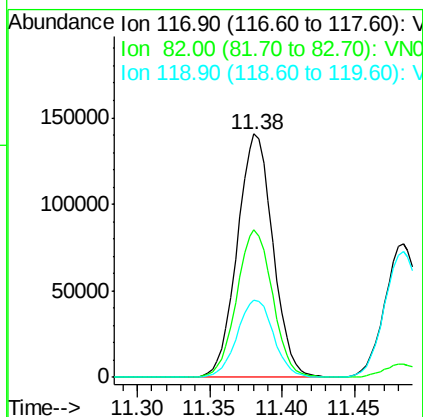
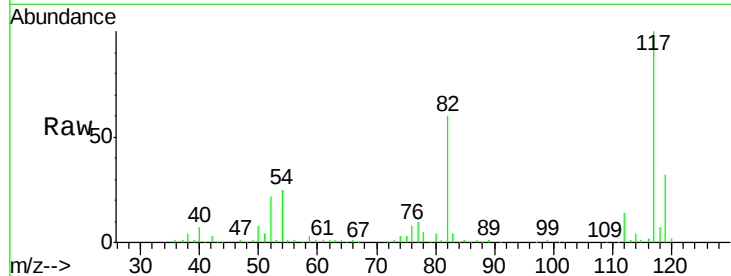
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062757.D
Acq: 5 Aug 2020 12:40

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	241065		
82	60.4	49.0	73.4	
119	31.7	26.2	39.2	

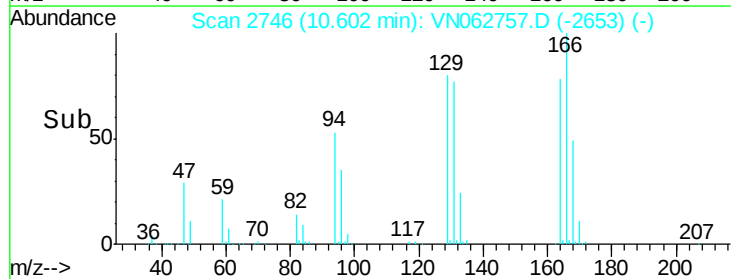
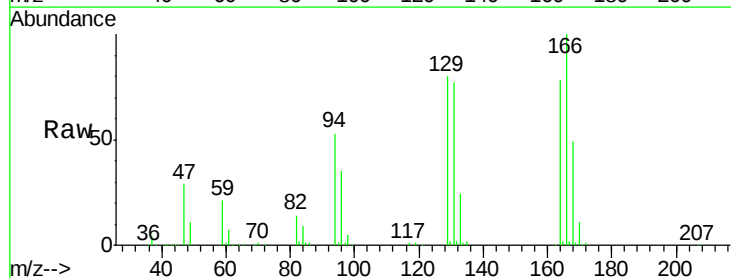
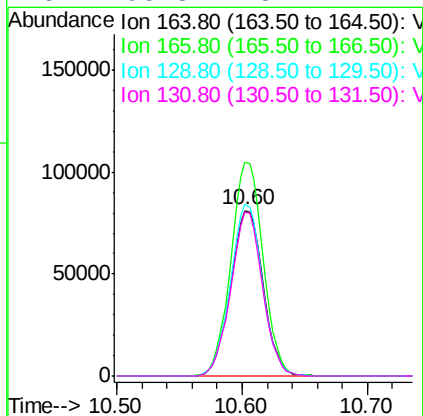
Manual Integrations
APPROVED

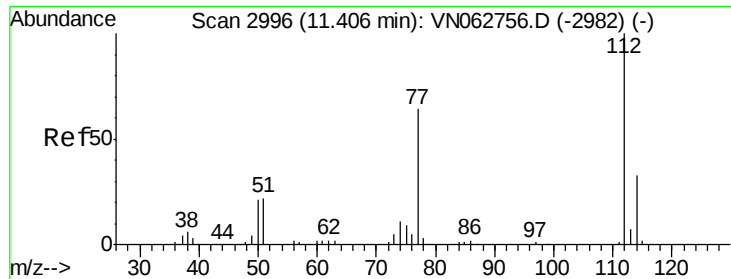
MMDadoda
8/6/2020 1:51:48 PM



#64
Tetrachloroethene
Concen: 93.225 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062757.D
Acq: 5 Aug 2020 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	145853		
166	128.9	103.8	155.8	
129	103.6	82.7	124.1	
131	98.8	78.2	117.2	





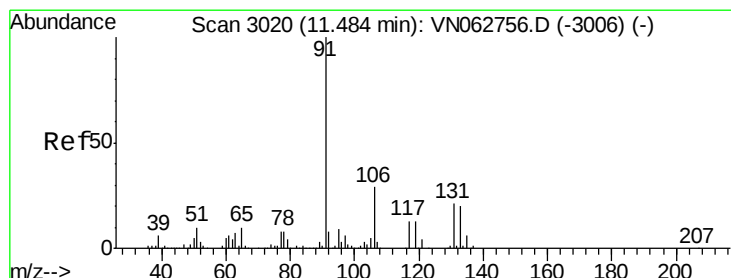
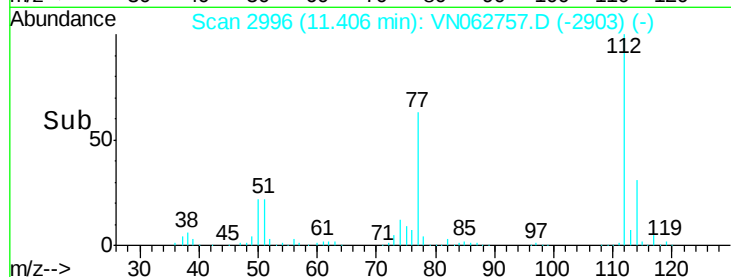
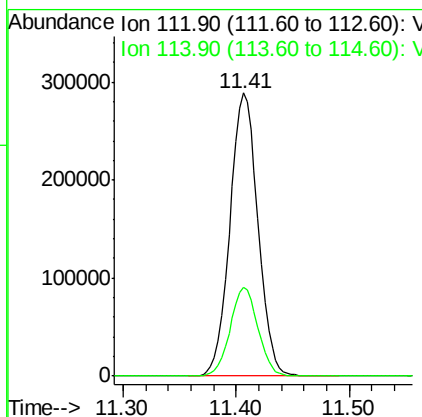
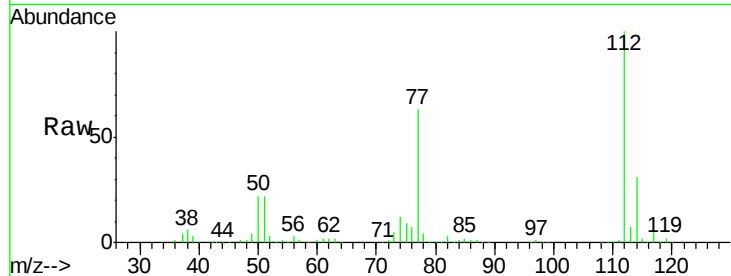
#65
Chlorobenzene
Concen: 98.839 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062757.D
Acq: 5 Aug 2020 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.3	26.2	39.4

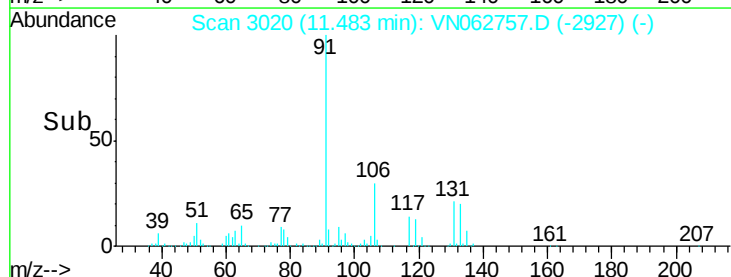
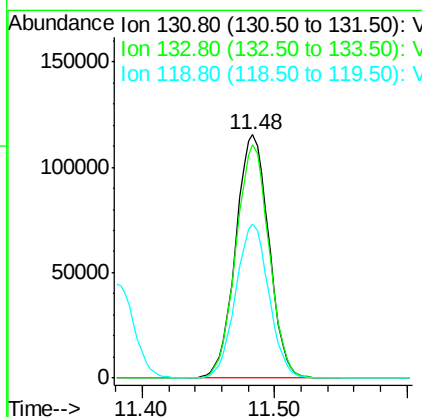
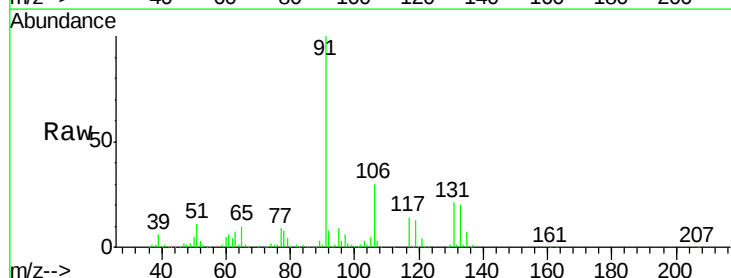
Manual Integrations
APPROVED

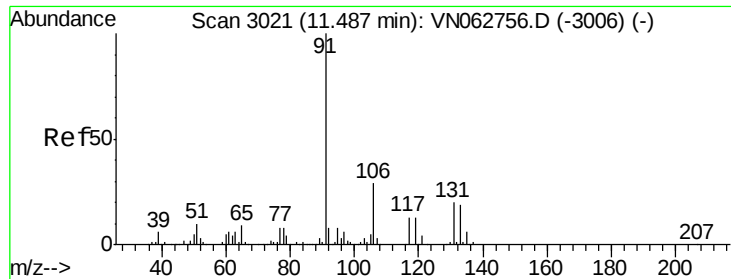
MMDadoda
8/6/2020 1:51:48 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 104.609 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062757.D
Acq: 5 Aug 2020 12:40

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	48.6	145.8
119	62.9	32.2	96.6





#67

Ethyl Benzene

Concen: 101.314 ug/l

RT: 11.49 min Scan# 3021

Delta R.T. -0.00 min

Lab File: VN062757.D

Acq: 5 Aug 2020 12:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 936036

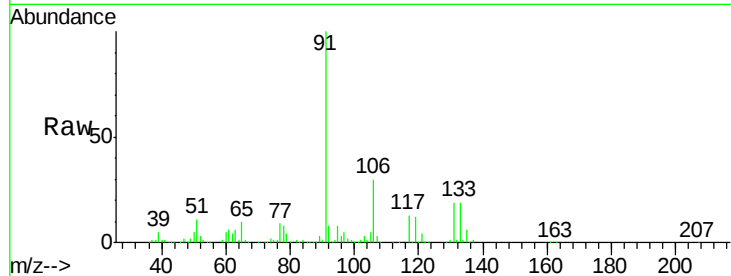
Ion Ratio Lower Upper

91 100

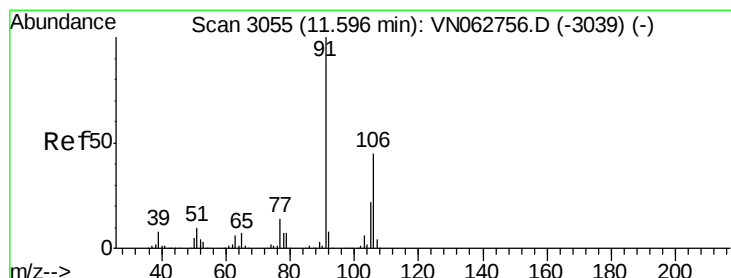
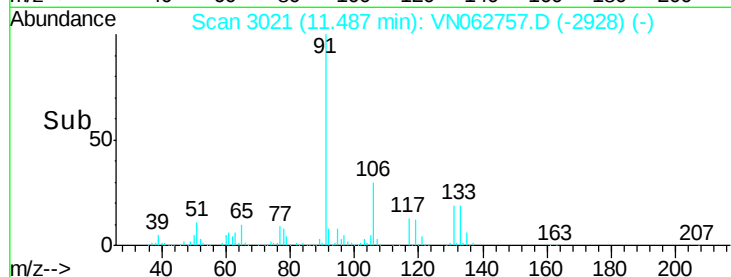
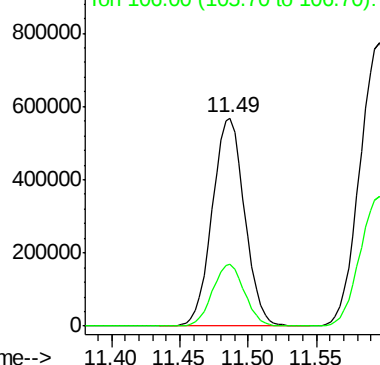
106 29.6 23.2 34.8

Manual Integrations
APPROVED

MMDadoda
8/6/2020 1:51:48 PM



Abundance Ion 91.00 (90.70 to 91.70): VN062757.D (-2928) (-)



#68

m/p-Xylenes

Concen: 204.946 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. -0.00 min

Lab File: VN062757.D

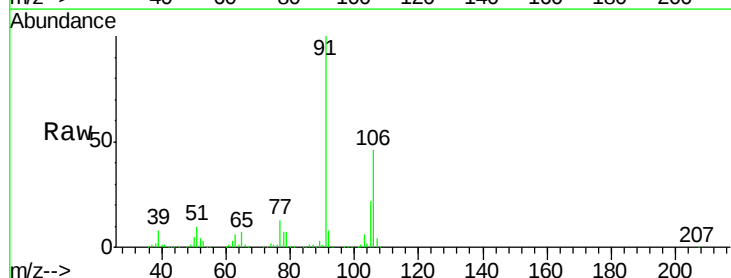
Acq: 5 Aug 2020 12:40

Tgt Ion: 106 Resp: 682289

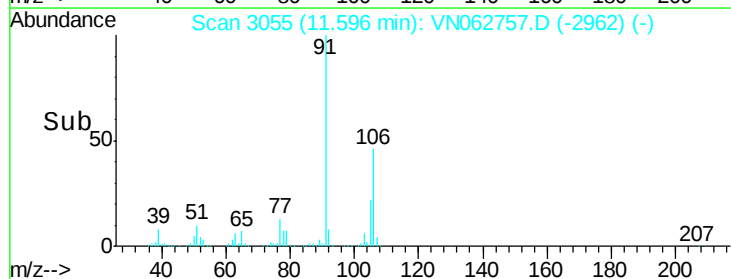
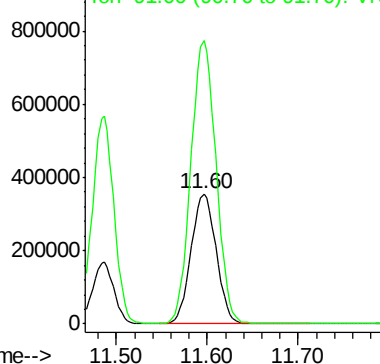
Ion Ratio Lower Upper

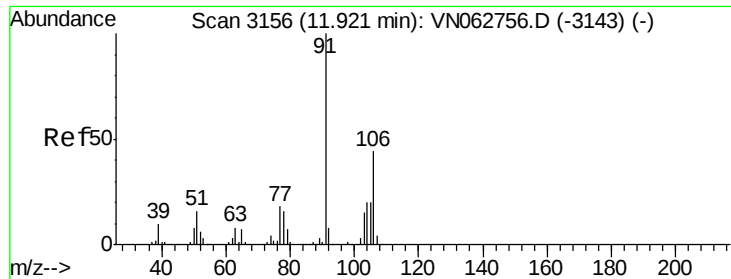
106 100

91 217.5 175.9 263.9



Abundance Ion 106.00 (105.70 to 106.70): VN062757.D (-2962) (-)





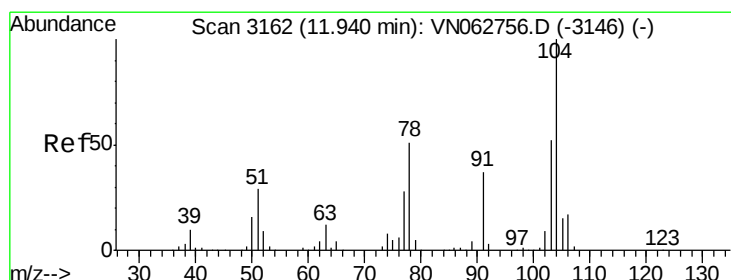
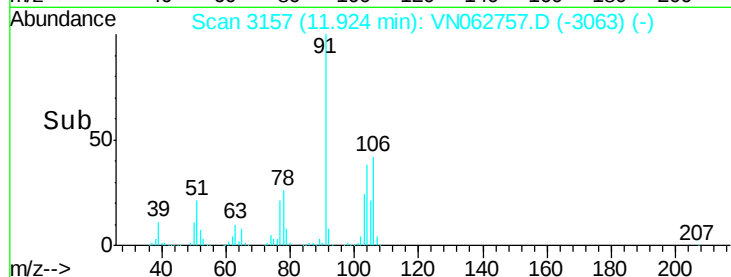
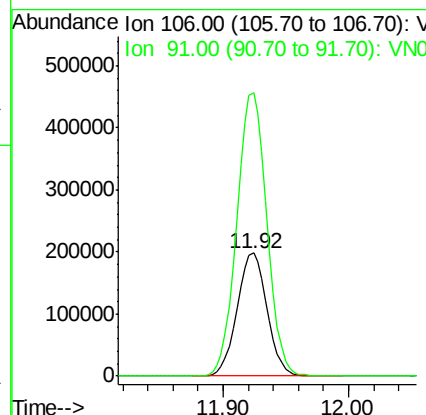
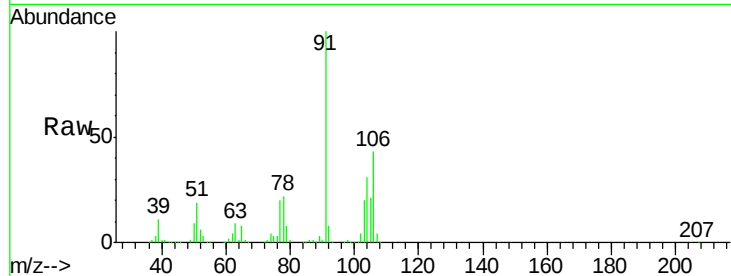
#69
o-Xylene
Concen: 103.709 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN062757.D
Acq: 5 Aug 2020 12:40

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		328470		
91	231.2	115.8	347.4		

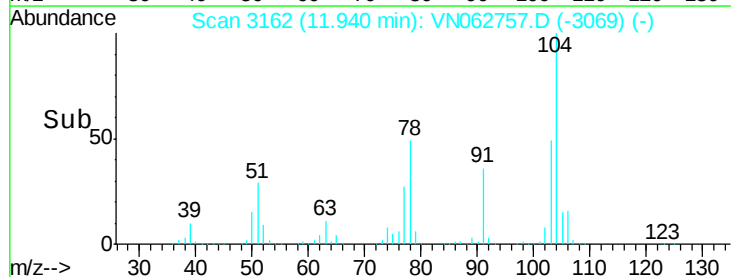
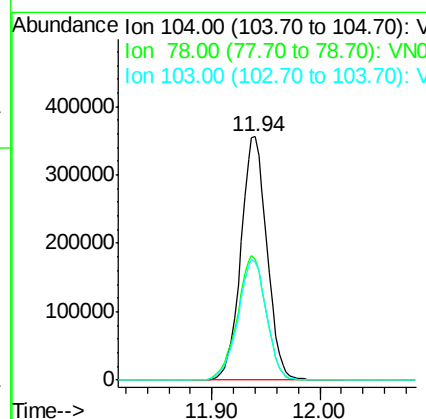
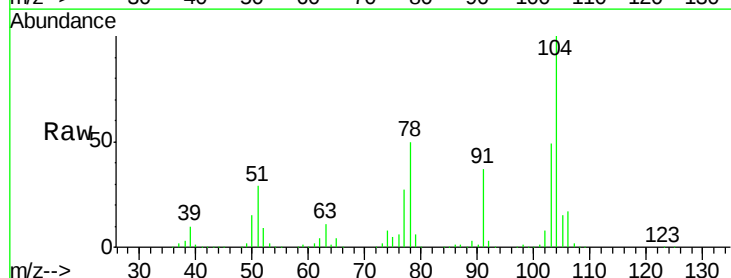
Manual Integrations
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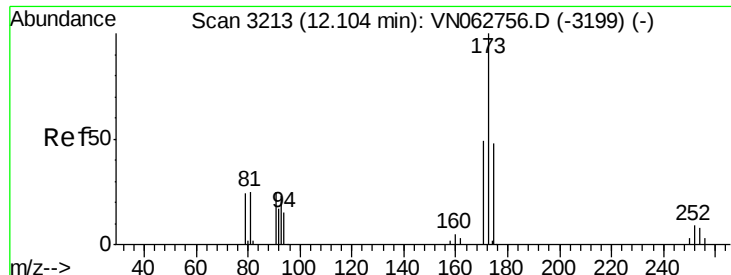
MMDadoda
8/6/2020 1:51:48 PM



#70
Styrene
Concen: 111.685 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN062757.D
Acq: 5 Aug 2020 12:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		599904		
78	56.3	45.9	68.9		
103	54.2	45.1	67.7		





#71

Bromoform

Concen: 116.355 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062757.D

Acq: 5 Aug 2020 12:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 170283

Ion Ratio Lower Upper

173 100

175 47.9 24.0 72.0

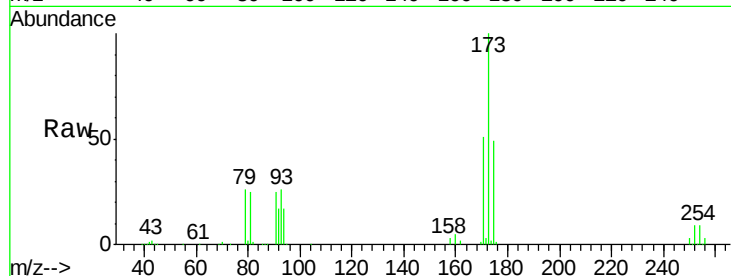
254 0.0 0.0 0.0#

Manual Integrations

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MMDadoda

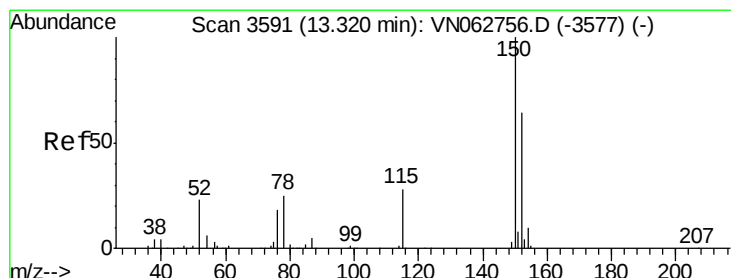
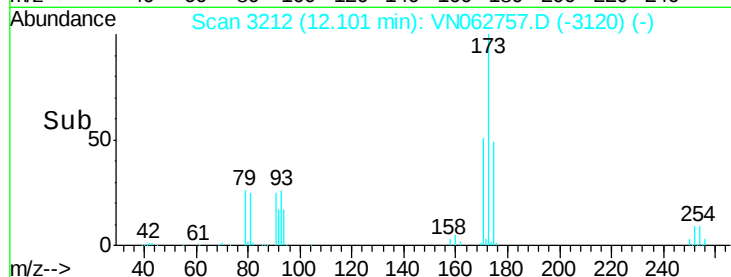
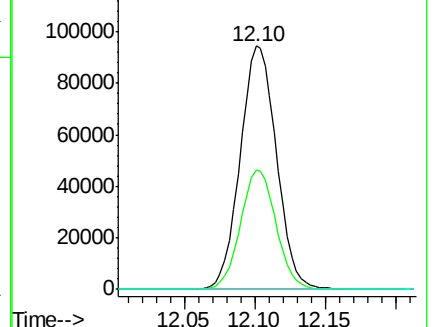
8/6/2020 1:51:48 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN062757.D

Acq: 5 Aug 2020 12:40

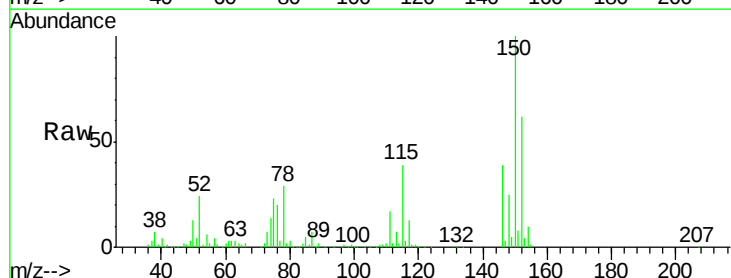
Tgt Ion:152 Resp: 127628

Ion Ratio Lower Upper

152 100

115 64.1 31.6 94.8

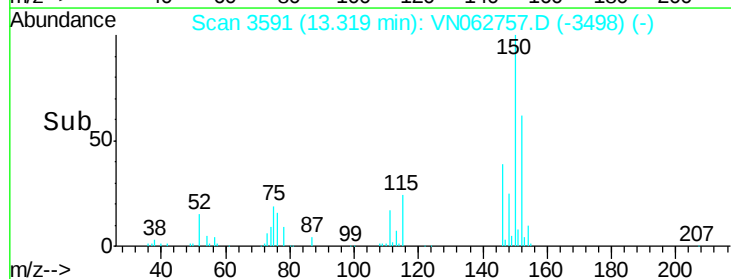
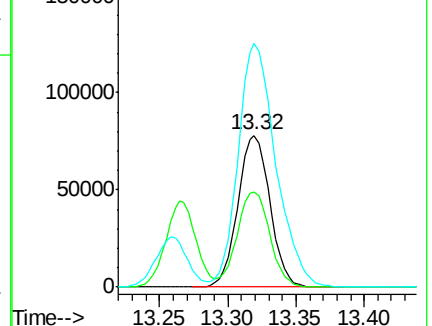
150 188.2 0.0 349.2

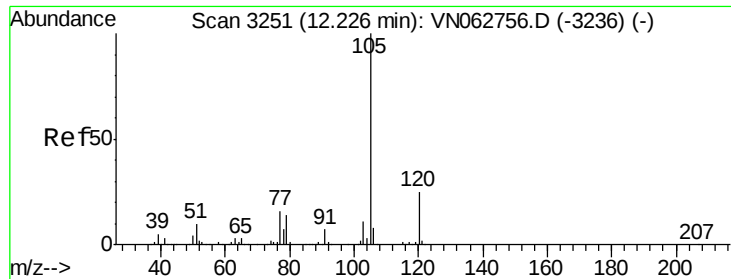


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





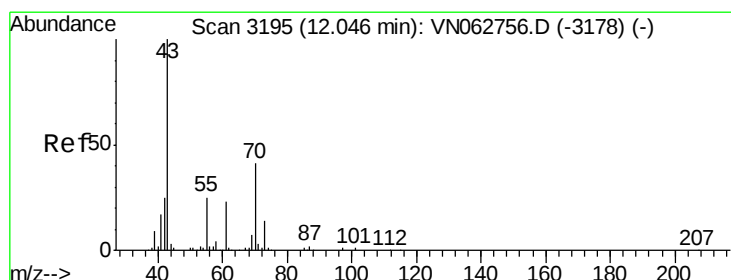
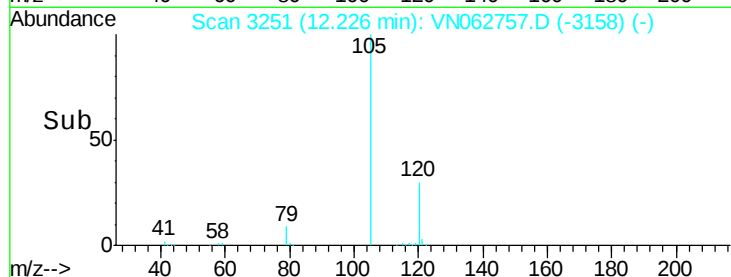
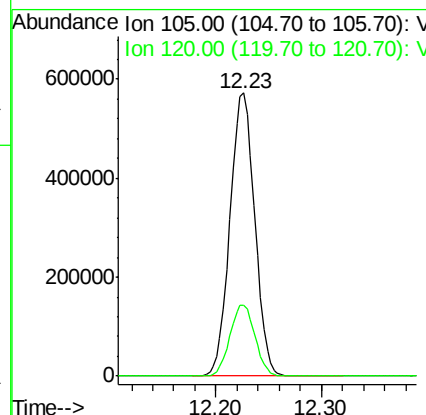
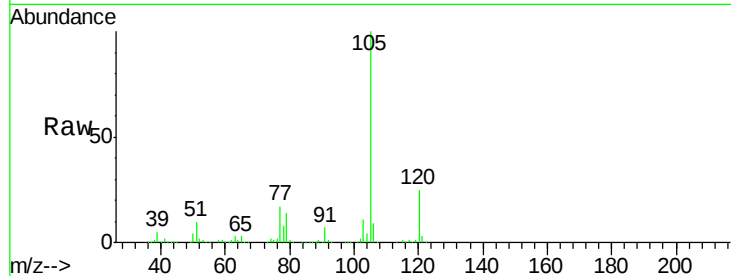
#73
Isopropylbenzene
Concen: 92.523 ug/l
RT: 12.23 min Scan# 3251
Delta R.T. -0.00 min
Lab File: VN062757.D
Acq: 5 Aug 2020 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.6	37.8

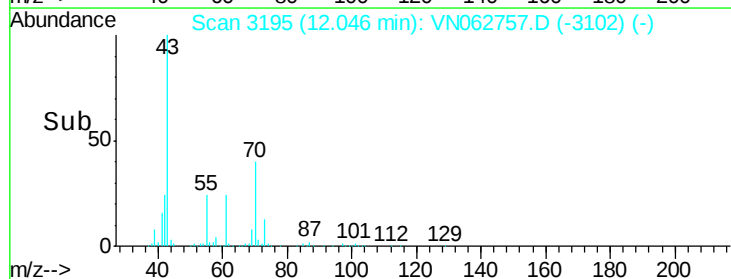
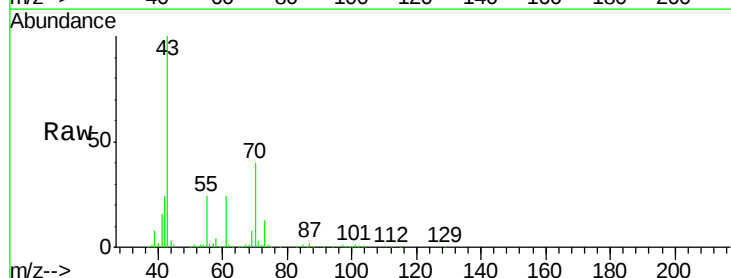
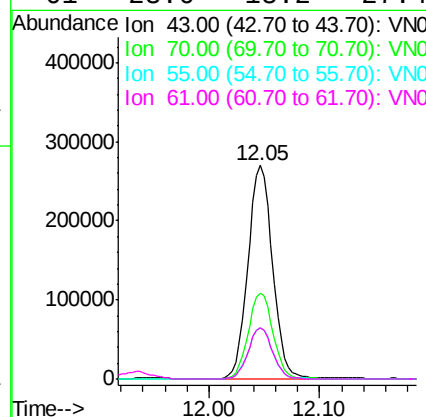
Manual Integrations
APPROVED

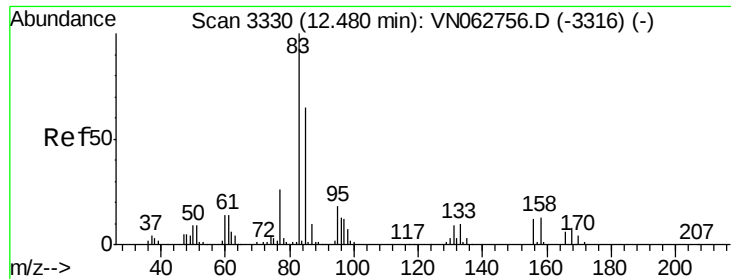
MMDadoda
8/6/2020 1:51:48 PM



#74
N-ethyl acetate
Concen: 95.274 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. -0.00 min
Lab File: VN062757.D
Acq: 5 Aug 2020 12:40

Tgt Ion	Ratio	Lower	Upper
43	100		
70	40.7	32.3	48.5
55	24.0	20.2	30.2
61	23.6	18.2	27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 86.737 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN062757.D

Acq: 5 Aug 2020 12:40

Instrument :

MSVOA_N

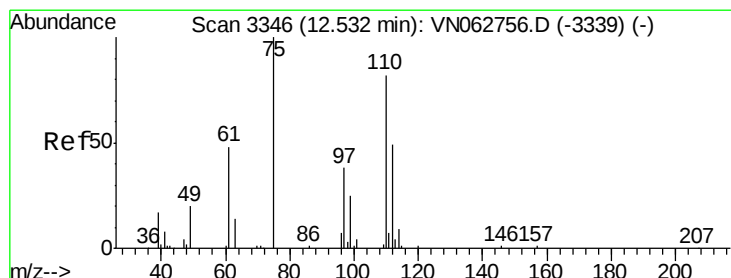
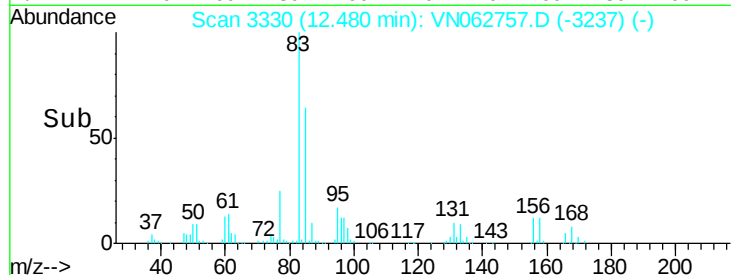
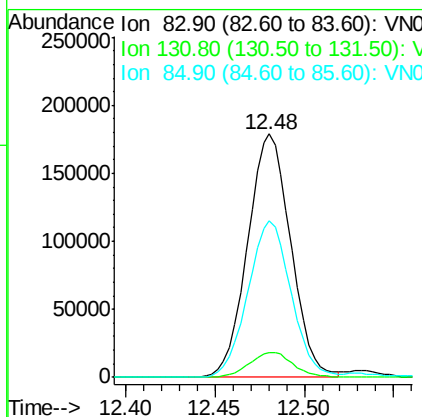
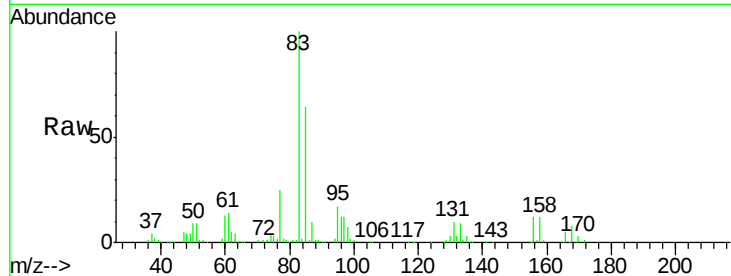
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	301824
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.1	15.4
85	64.4	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 97.001 ug/l m

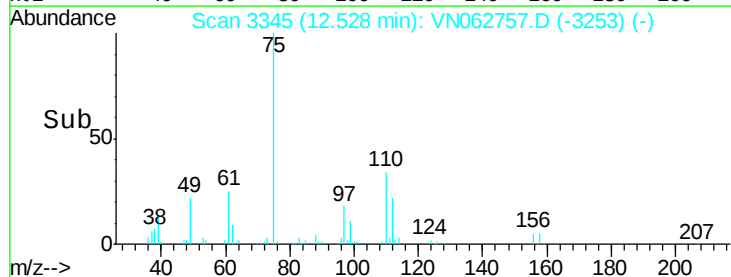
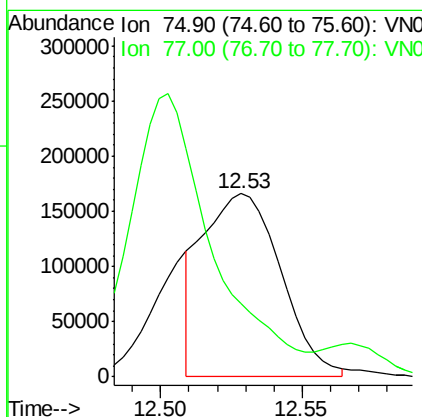
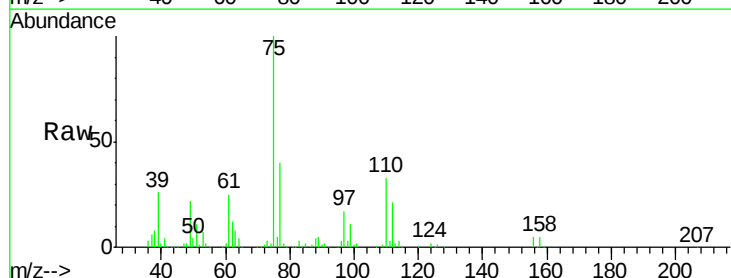
RT: 12.53 min Scan# 3345

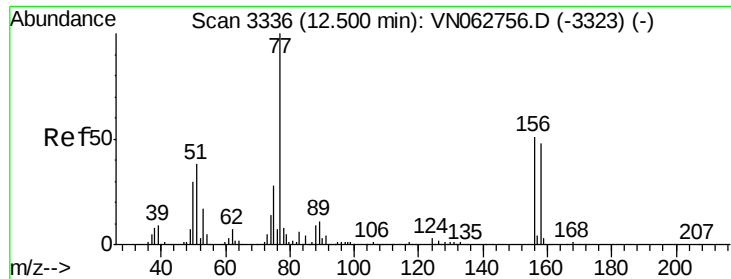
Delta R.T. -0.00 min

Lab File: VN062757.D

Acq: 5 Aug 2020 12:40

Tgt Ion:	75	Resp:	316581
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 90.570 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062757.D

Acq: 5 Aug 2020 12:40

Instrument :

MSVOA_N

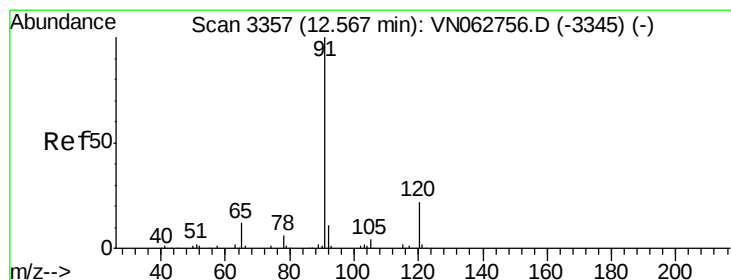
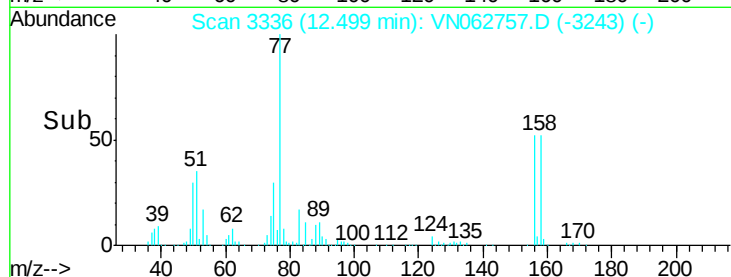
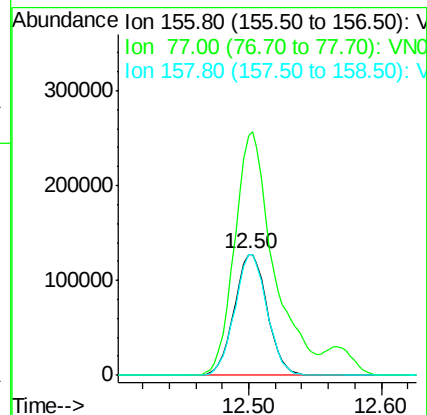
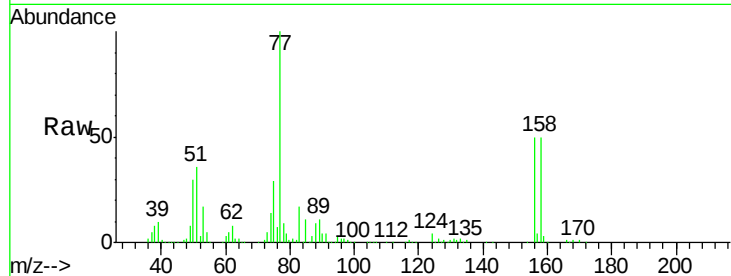
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	238.4	119.7	359.1
158	98.2	48.1	144.3

Manual Integrations
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#78

n-propylbenzene

Concen: 94.690 ug/l

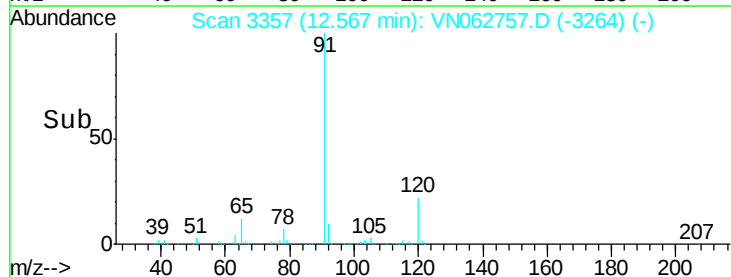
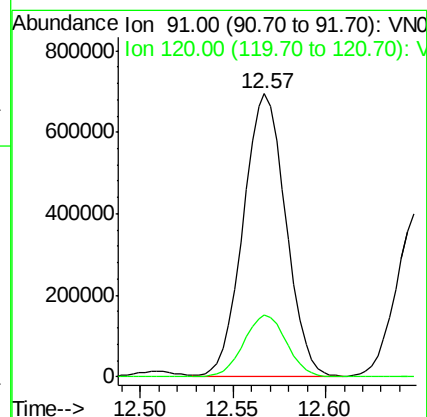
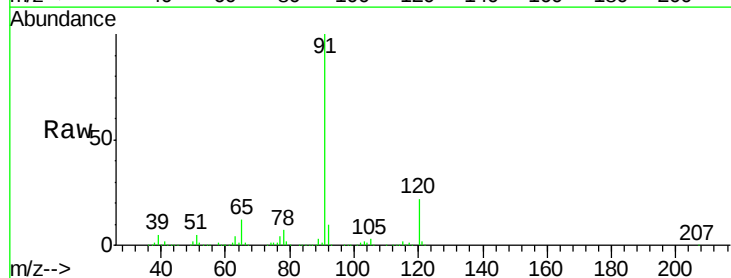
RT: 12.57 min Scan# 3357

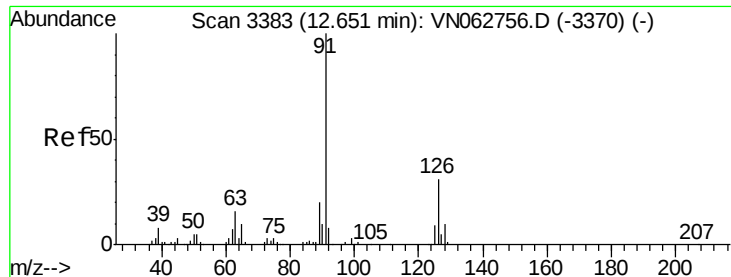
Delta R.T. -0.00 min

Lab File: VN062757.D

Acq: 5 Aug 2020 12:40

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.9	32.9





#79

2-Chlorotoluene

Concen: 92.822 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. -0.00 min

Lab File: VN062757.D

Acq: 5 Aug 2020 12:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 673672

Ion Ratio Lower Upper

91 100

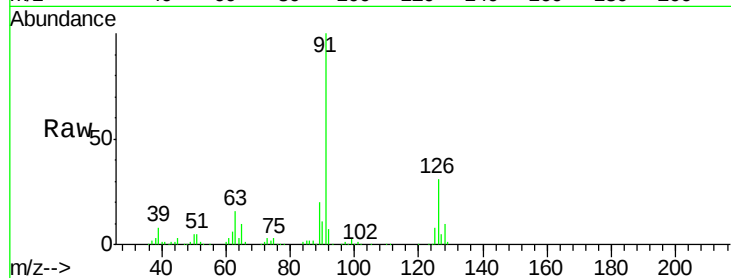
126 31.4 15.6 46.7

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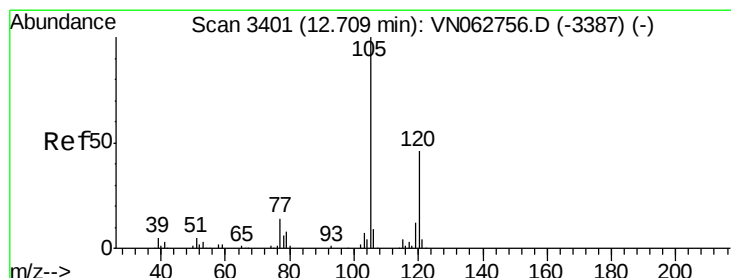
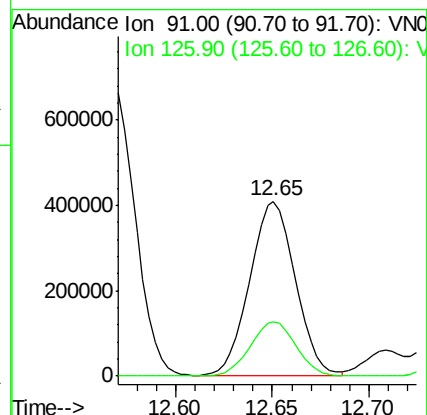
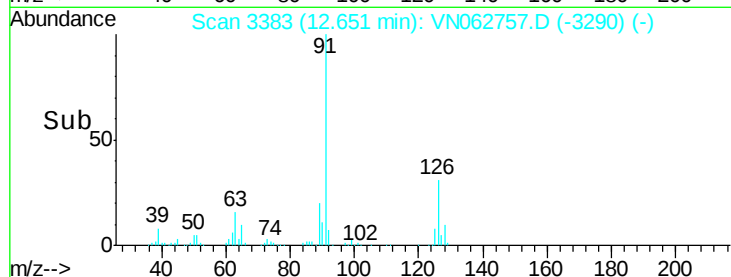
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Abundance Ion 91.00 (90.70 to 91.70): VN062757.D (-3290) (-)

Ion 125.90 (125.60 to 126.60): VN062757.D (-3290) (-)



#80

1,3,5-Trimethylbenzene

Concen: 99.401 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062757.D

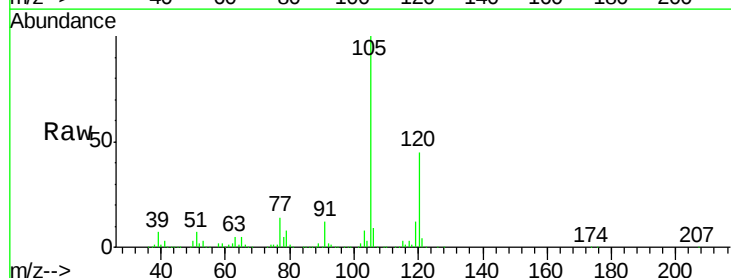
Acq: 5 Aug 2020 12:40

Tgt Ion:105 Resp: 832320

Ion Ratio Lower Upper

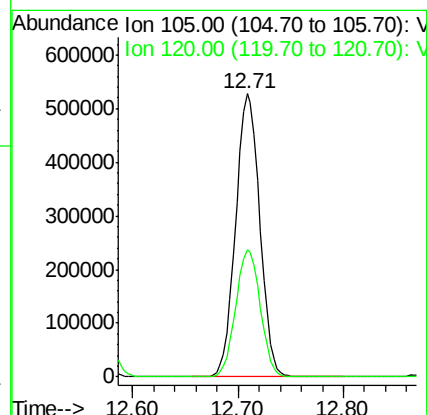
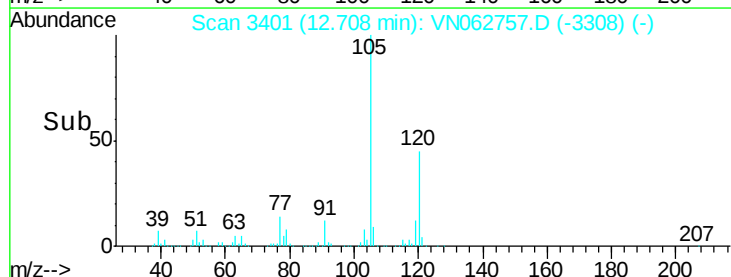
105 100

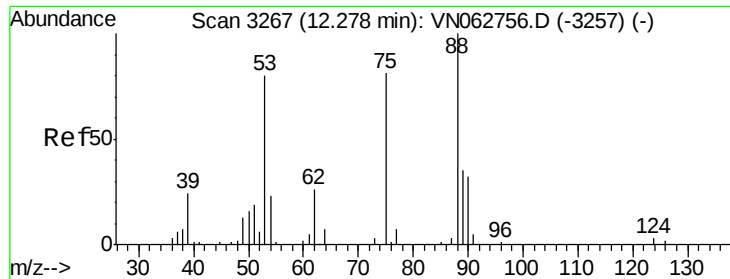
120 45.9 22.9 68.5



Abundance Ion 105.00 (104.70 to 105.70): VN062757.D (-3308) (-)

Ion 120.00 (119.70 to 120.70): VN062757.D (-3308) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 97.067 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062757.D

Acq: 5 Aug 2020 12:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 113299

Ion Ratio Lower Upper

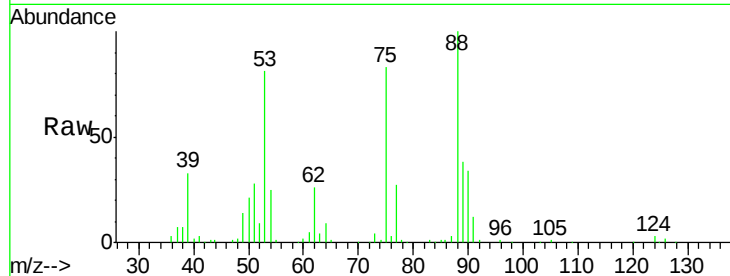
75 100

53 100.5 79.1 118.7

89 47.5 36.2 54.2

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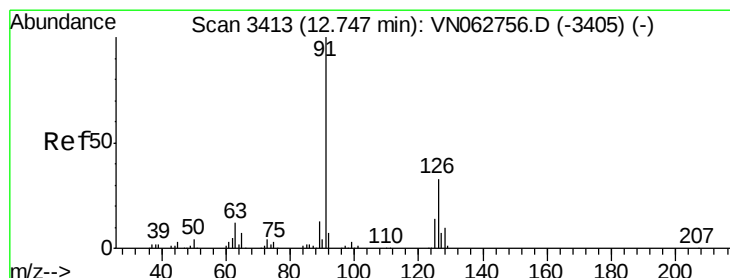
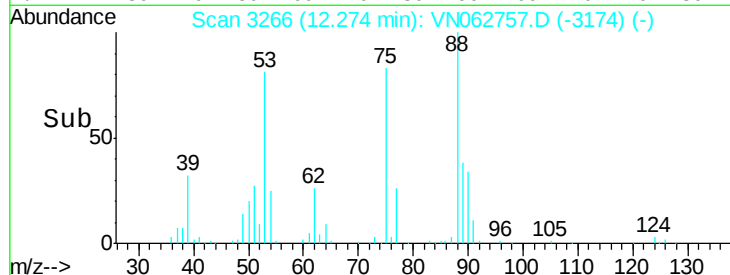
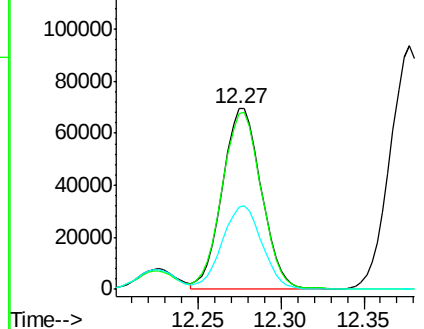
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Abundance Ion 74.90 (74.60 to 75.60): VN062757.D (-3174) (-)

Ion 53.00 (52.70 to 53.70): VN062757.D (-3174) (-)

Ion 88.90 (88.60 to 89.60): VN062757.D (-3174) (-)



#82

4-Chlorotoluene

Concen: 94.097 ug/l

RT: 12.75 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VN062757.D

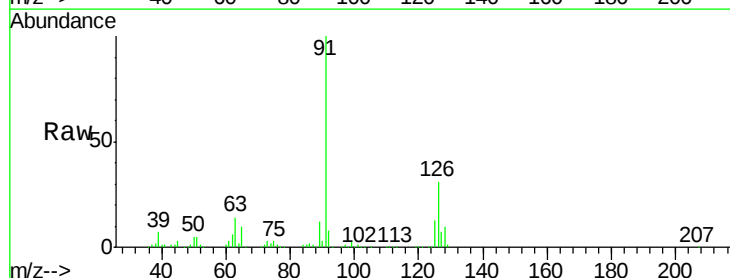
Acq: 5 Aug 2020 12:40

Tgt Ion: 91 Resp: 711345

Ion Ratio Lower Upper

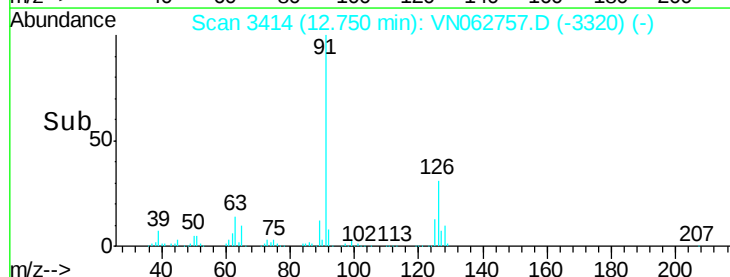
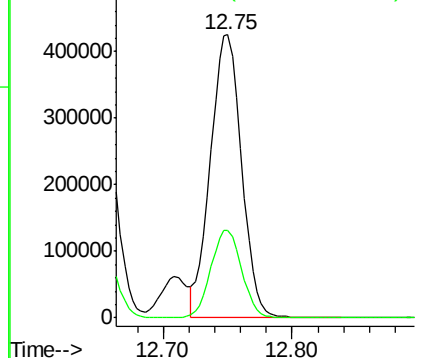
91 100

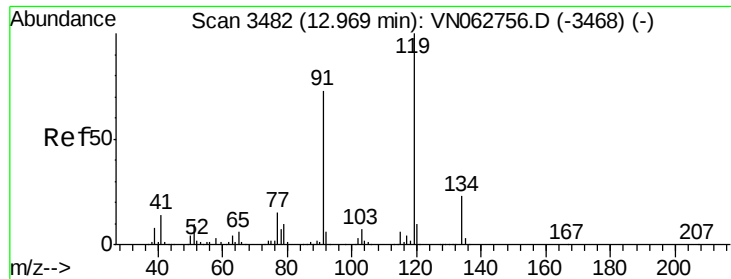
126 30.7 15.3 45.9



Abundance Ion 91.00 (90.70 to 91.70): VN062757.D (-3320) (-)

Ion 125.90 (125.60 to 126.60): VN062757.D (-3320) (-)





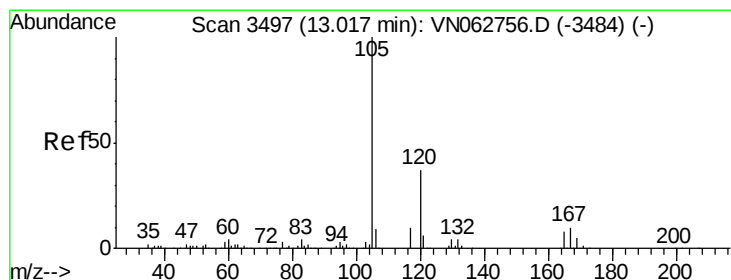
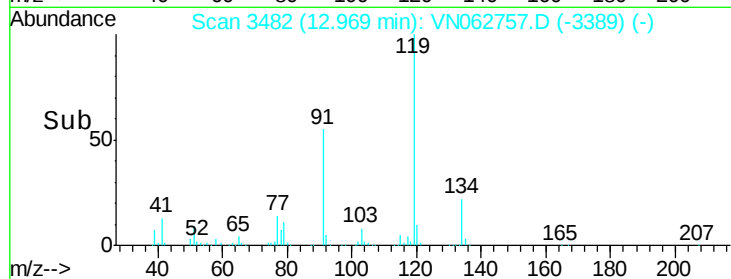
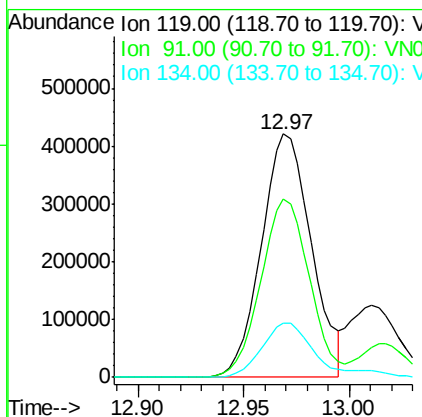
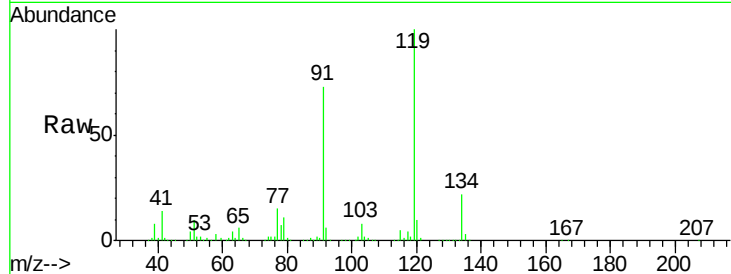
#83
tert-Butylbenzene
Concen: 99.618 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN062757.D
Acq: 5 Aug 2020 12:40

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.5	36.5	109.5
134	22.6	11.3	33.8

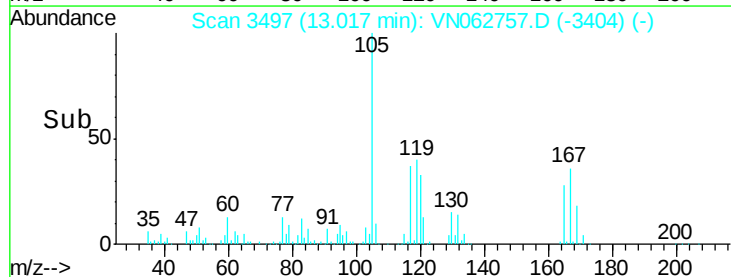
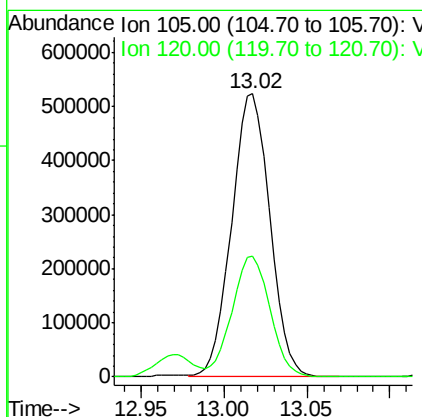
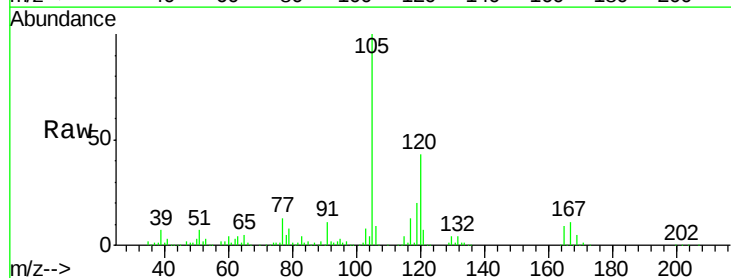
Manual Integrations
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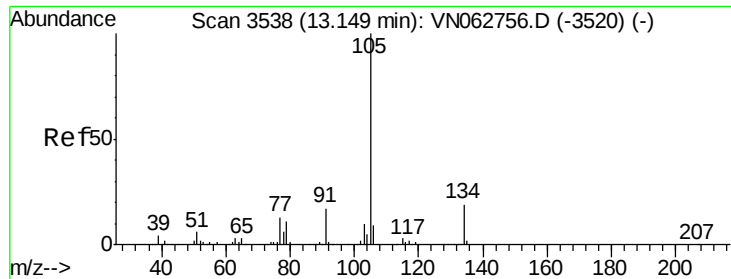
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 101.827 ug/l
RT: 13.02 min Scan# 3497
Delta R.T. -0.00 min
Lab File: VN062757.D
Acq: 5 Aug 2020 12:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.5	21.4	64.2





#85

sec-Butylbenzene

Concen: 100.185 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. -0.00 min

Lab File: VN062757.D

Acq: 5 Aug 2020 12:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 933701

Ion Ratio Lower Upper

105 100

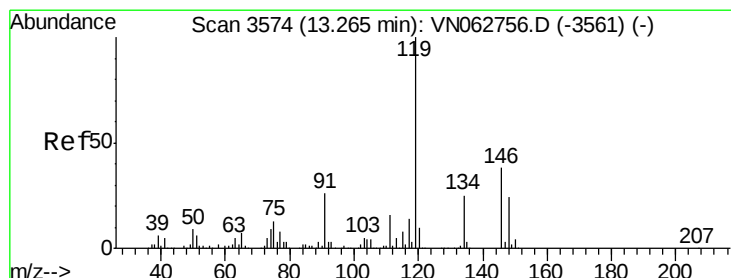
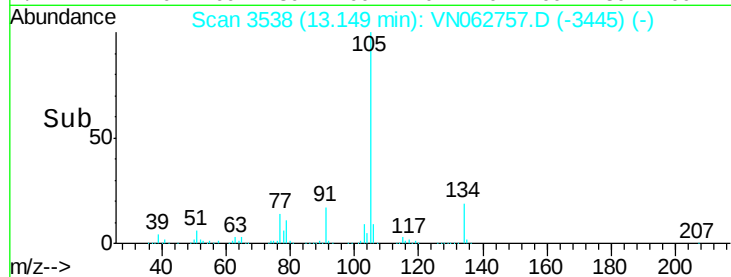
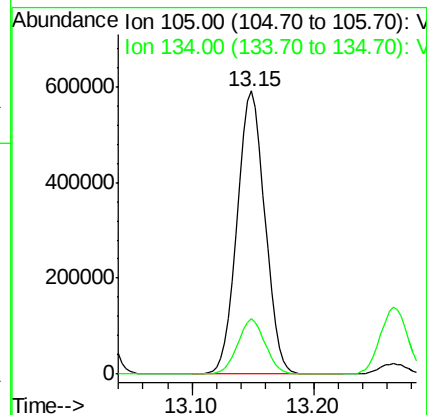
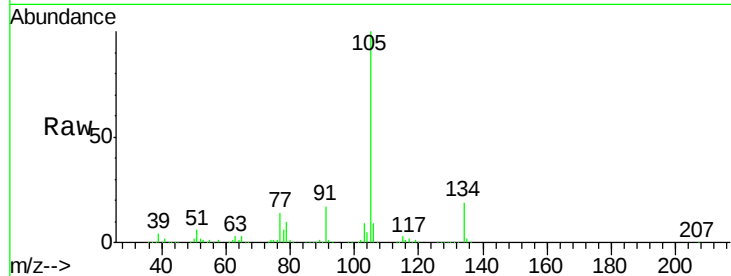
134 19.2 9.6 28.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 106.560 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062757.D

Acq: 5 Aug 2020 12:40

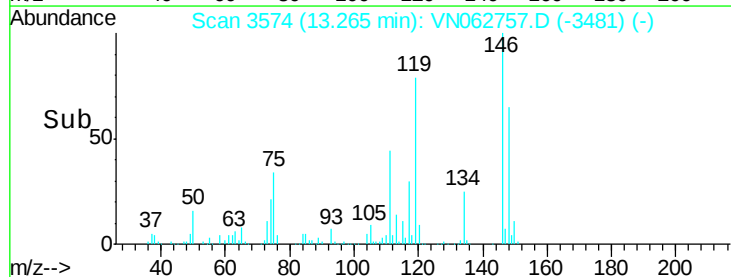
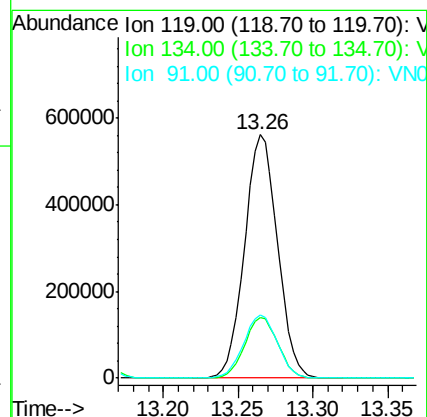
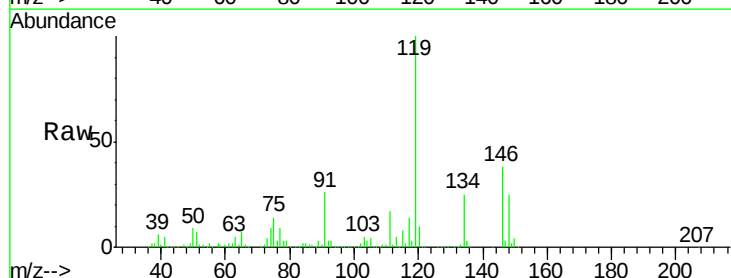
Tgt Ion:119 Resp: 859149

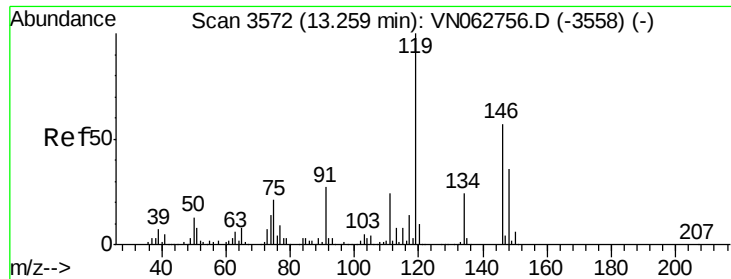
Ion Ratio Lower Upper

119 100

134 25.3 12.6 37.8

91 26.4 13.4 40.2





#87

1,3-Dichlorobenzene

Concen: 95.696 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. -0.00 min

Lab File: VN062757.D

Acq: 5 Aug 2020 12:40

Instrument :

MSVOA_N

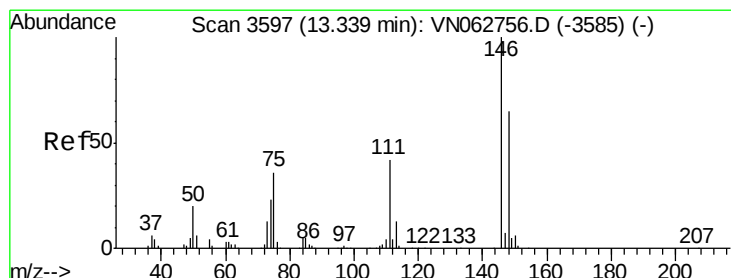
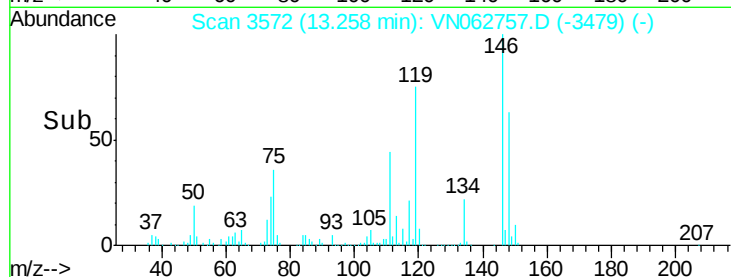
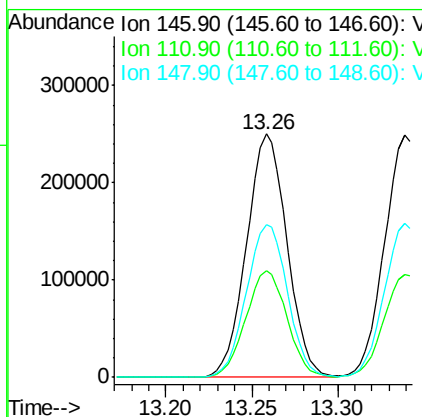
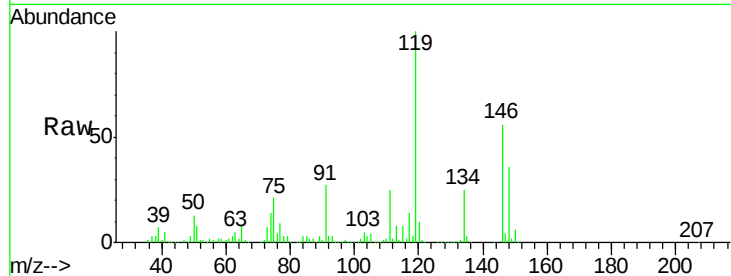
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	409463
Ion Ratio	Lower	Upper	
146	100		
111	44.5	21.7	65.1
148	63.8	31.4	94.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 97.974 ug/l

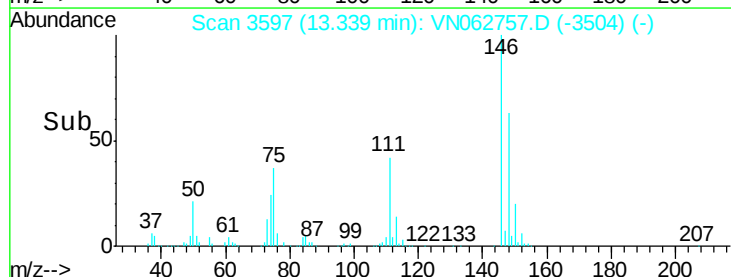
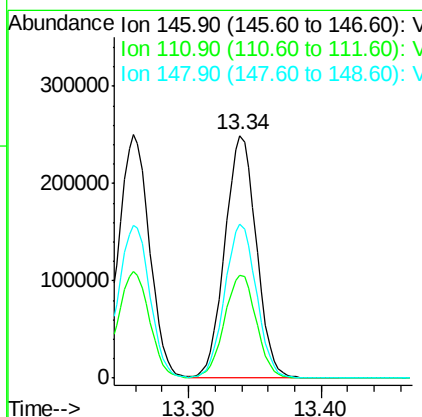
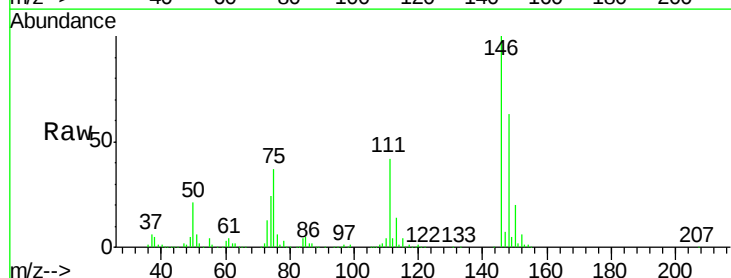
RT: 13.34 min Scan# 3597

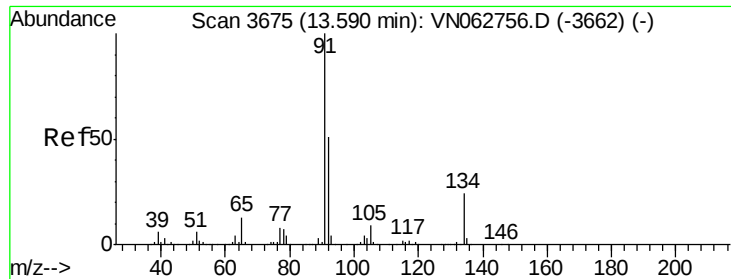
Delta R.T. -0.00 min

Lab File: VN062757.D

Acq: 5 Aug 2020 12:40

Tgt Ion:	146	Resp:	411102
Ion Ratio	Lower	Upper	
146	100		
111	43.0	21.6	64.6
148	63.8	32.6	97.8





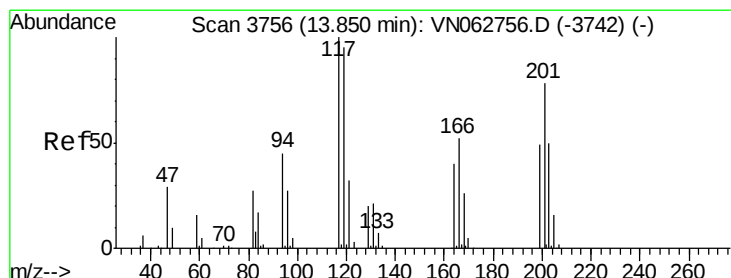
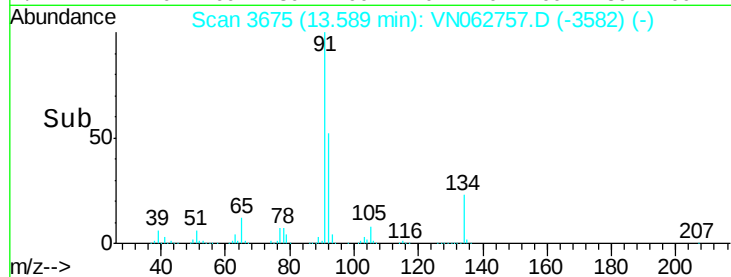
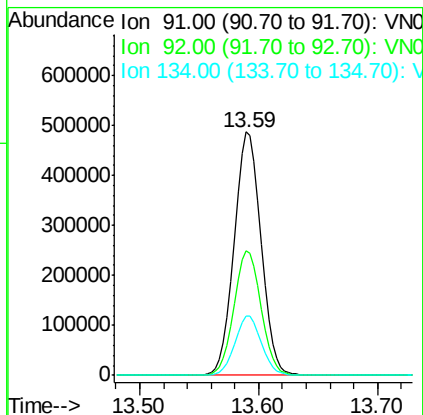
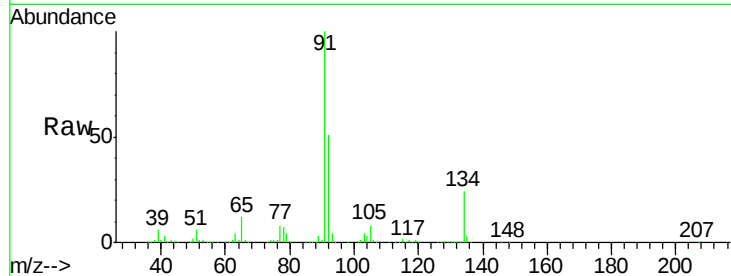
#89
n-Butylbenzene
Concen: 110.675 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062757.D
Acq: 5 Aug 2020 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.7	77.0
134	24.1	12.2	36.6

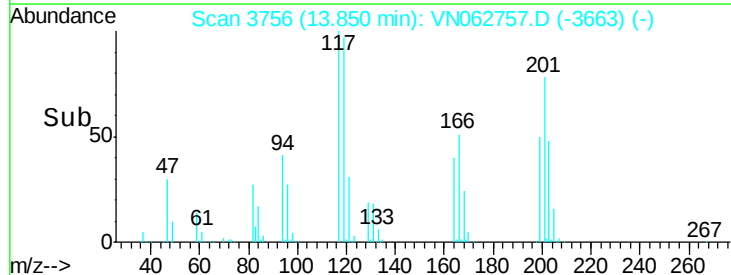
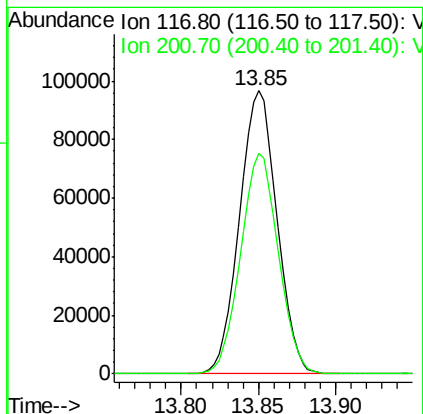
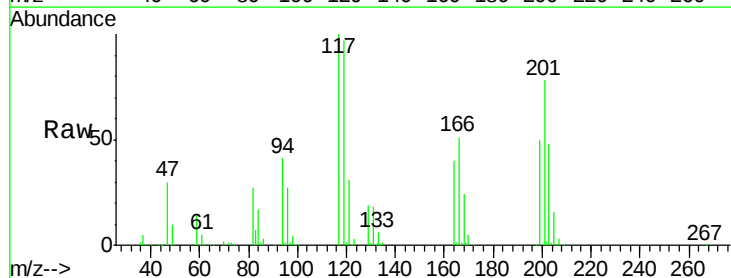
Manual Integrations
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#90
Hexachloroethane
Concen: 94.991 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN062757.D
Acq: 5 Aug 2020 12:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.4	39.2	117.6





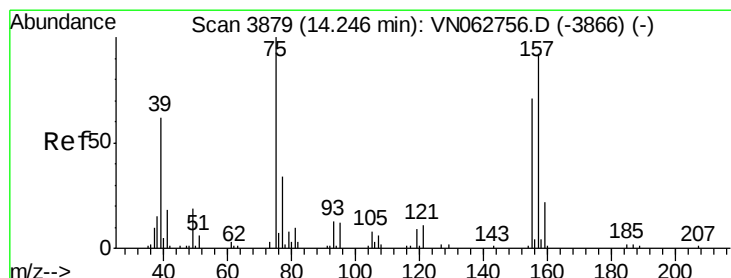
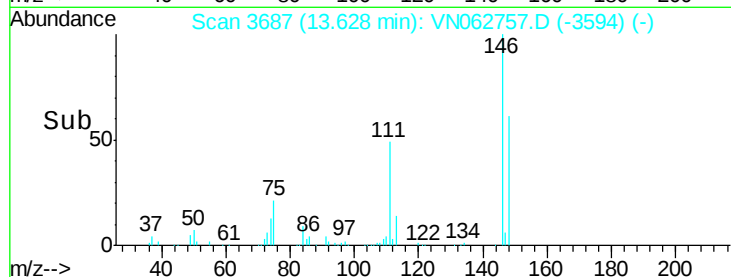
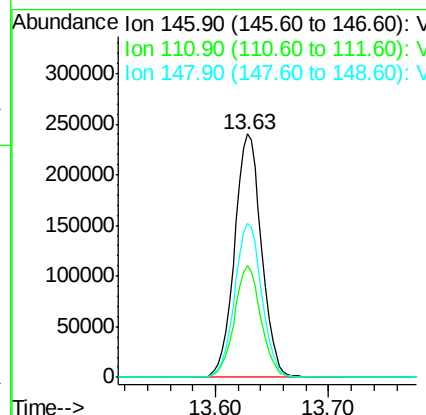
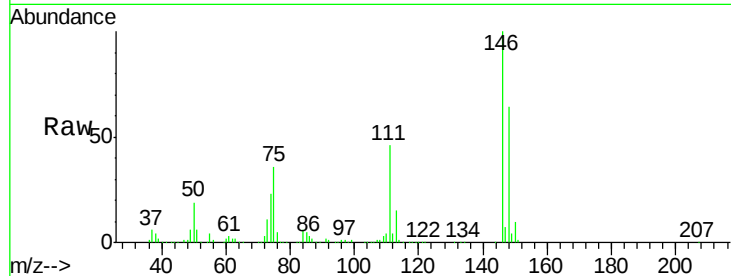
#91
 1,2-Dichlorobenzene
 Concen: 97.848 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062757.D
 Acq: 5 Aug 2020 12:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.1	22.8	68.4
148	63.7	31.9	95.5

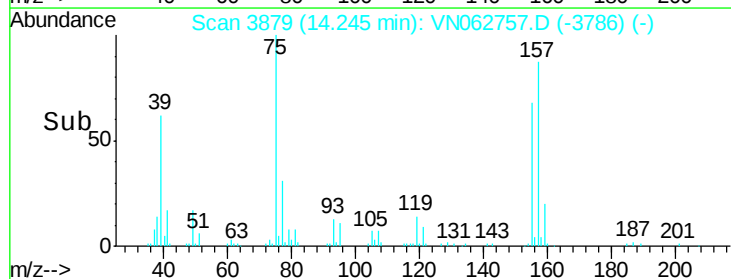
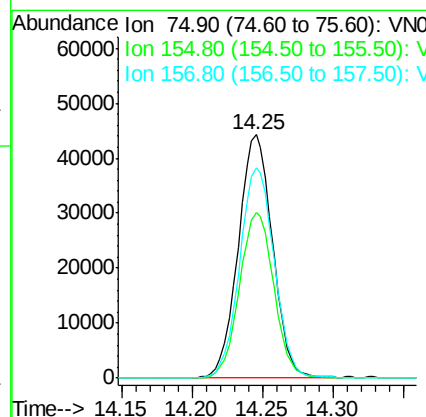
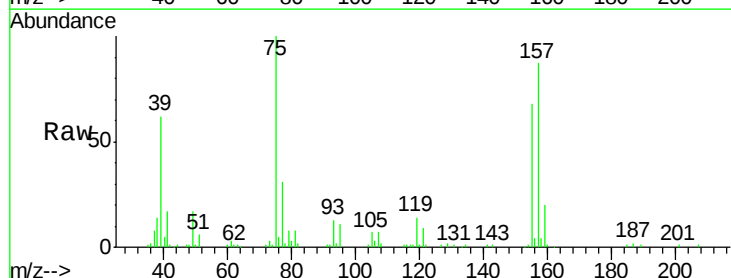
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 115.181 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN062757.D
 Acq: 5 Aug 2020 12:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.0	35.0	105.1
157	87.3	43.2	129.6





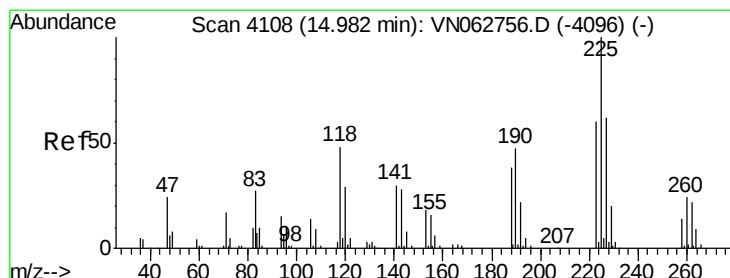
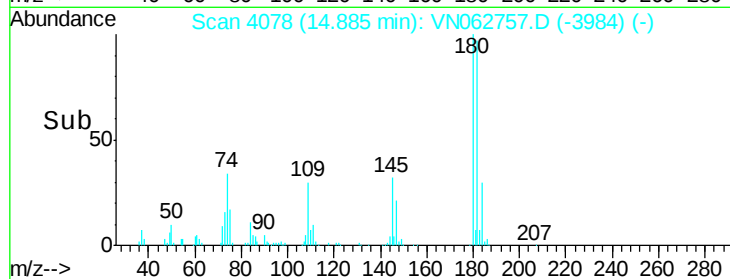
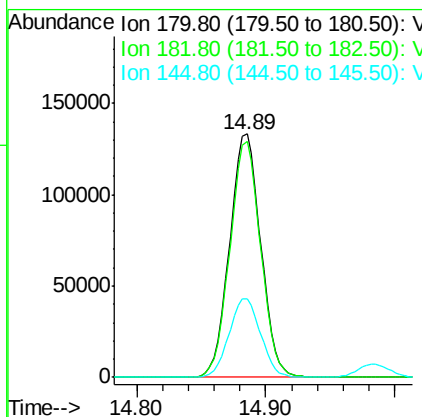
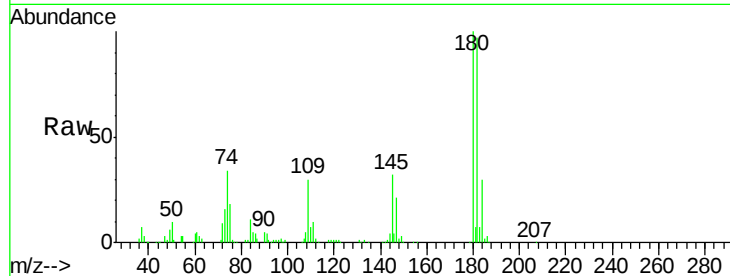
#93
 1,2,4-Trichlorobenzene
 Concen: 118.159 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN062757.D
 Acq: 5 Aug 2020 12:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	222762		
182	95.9	49.1	147.4	
145	32.7	16.3	48.8	

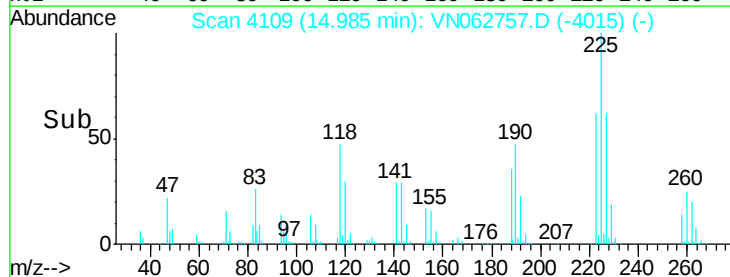
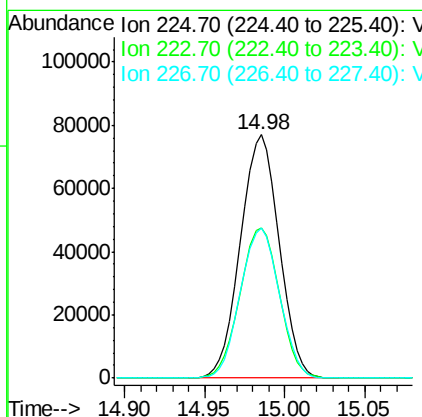
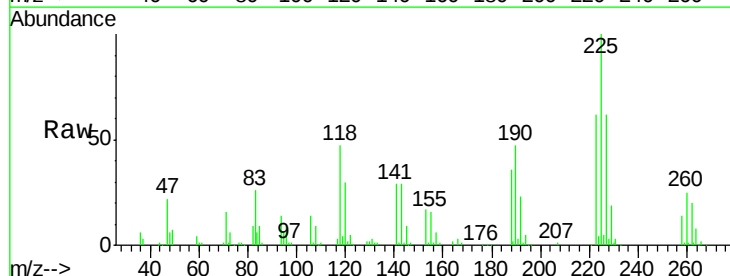
Manual Integrations
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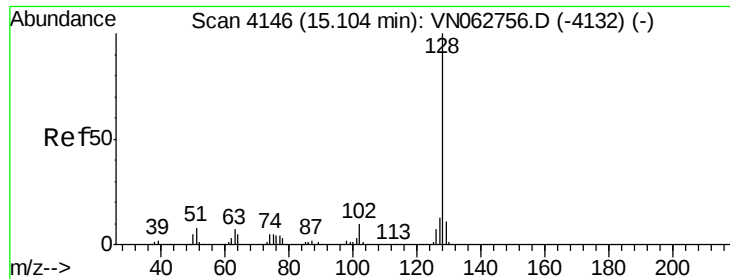
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#94
 Hexachlorobutadiene
 Concen: 102.496 ug/l
 RT: 14.98 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062757.D
 Acq: 5 Aug 2020 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	127295		
223	62.7	30.6	92.0	
227	62.1	31.6	95.0	





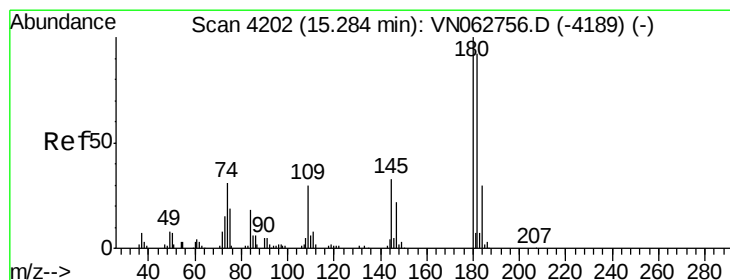
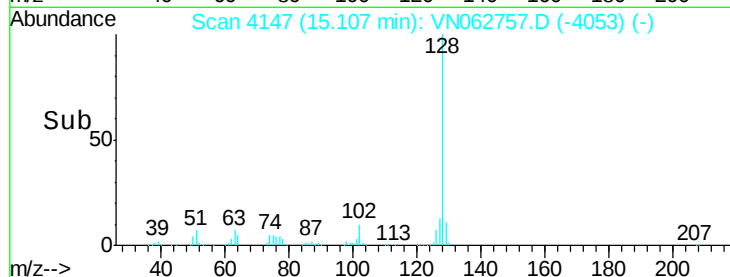
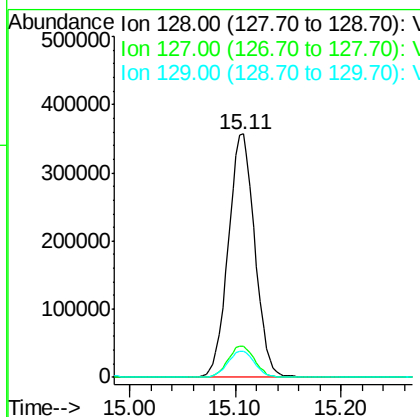
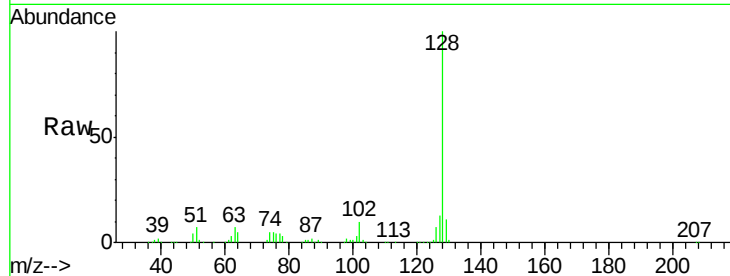
#95
Naphthalene
Concen: 119.252 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN062757.D
Acq: 5 Aug 2020 12:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
128	100	620160		
127	13.1		10.8	16.2
129	10.9		8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 114.889 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN062757.D
Acq: 5 Aug 2020 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	220772		
182	97.4		47.9	143.6
145	34.7		17.3	51.7

