

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081320\
 Data File : VN062907.D
 Acq On : 13 Aug 2020 13:37
 Operator : JC/MD
 Sample : VN0813WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

Manual Integrations
 APPROVED

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 8/14/2020 4:50:15 PM

Quant Time: Aug 14 05:44:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	150381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	248001	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	220193	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	101821	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	113812	45.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.54%	
35) Dibromofluoromethane	7.55	113	77805	45.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.72%	
50) Toluene-d8	10.06	98	301721	45.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.12%	
62) 4-Bromofluorobenzene	12.38	95	112234	44.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	42875	19.910	ug/l	99
3) Chloromethane	2.03	50	45969	22.622	ug/l	98
4) Vinyl Chloride	2.16	62	44968	23.594	ug/l	96
5) Bromomethane	2.51	94	27177	21.540	ug/l	94
6) Chloroethane	2.66	64	27845	22.207	ug/l	90
7) Trichlorofluoromethane	2.98	101	69480	20.444	ug/l	97
8) Diethyl Ether	3.37	74	19056	19.586	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.71	101	29620	21.102	ug/l	97
10) Methyl Iodide	3.91	142	34857	21.161	ug/l	96
11) Tert butyl alcohol	4.73	59	38919	95.487	ug/l #	87
12) 1,1-Dichloroethene	3.69	96	26085	19.659	ug/l	94
13) Acrolein	3.57	56	21409	86.753	ug/l	100
14) Allyl chloride	4.27	41	50925	19.342	ug/l	95
15) Acrylonitrile	4.93	53	94968	100.458	ug/l	99
16) Acetone	3.78	43	87418	97.284	ug/l	97
17) Carbon Disulfide	4.00	76	66888	17.798	ug/l	100
18) Methyl Acetate	4.28	43	46572	21.264	ug/l	95
19) Methyl tert-butyl Ether	4.99	73	116550	20.004	ug/l	96
20) Methylene Chloride	4.51	84	34536	20.554	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	28046	18.637	ug/l	96
22) Diisopropyl ether	5.91	45	115679	20.639	ug/l	99
23) Vinyl Acetate	5.84	43	385769	90.490	ug/l	100
24) 1,1-Dichloroethane	5.80	63	63203	19.243	ug/l	100
25) 2-Butanone	6.79	43	121600	95.547	ug/l	98
26) 2,2-Dichloropropane	6.78	77	57189	18.889	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	34511	19.117	ug/l	96
28) Bromochloromethane	7.15	49	29912	18.870	ug/l	95
29) Tetrahydrofuran	7.17	42	75458	91.264	ug/l	97
30) Chloroform	7.33	83	64147	18.377	ug/l	99
31) Cyclohexane	7.61	56	53775	17.835	ug/l	93
32) 1,1,1-Trichloroethane	7.53	97	57597	18.455	ug/l	99
36) 1,1-Dichloropropene	7.75	75	42740	17.699	ug/l	97
37) Ethyl Acetate	6.88	43	44727	17.731	ug/l	98
38) Carbon Tetrachloride	7.73	117	50784	17.782	ug/l	92

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	49294	16.962	ug/l	98
40) Benzene	8.00	78	129127	17.920	ug/l	99
41) Methacrylonitrile	7.13	41	19568	17.191	ug/l #	74
42) 1,2-Dichloroethane	8.09	62	55950	18.243	ug/l	98
43) Isopropyl Acetate	8.13	43	70550	16.768	ug/l	98
44) Trichloroethene	8.80	130	32182	18.331	ug/l	95
45) 1,2-Dichloropropane	9.08	63	34651	17.767	ug/l	98
46) Dibromomethane	9.18	93	23268	18.209	ug/l	99
47) Bromodichloromethane	9.37	83	52313	18.228	ug/l	98
48) Methyl methacrylate	9.17	41	33915	16.388	ug/l	96
49) 1,4-Dioxane	9.17	88	13384	349.026	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	254678	93.553	ug/l	99
52) Toluene	10.12	92	79356	17.837	ug/l	99
53) t-1,3-Dichloropropene	10.36	75	56699	17.960	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	60062	18.950	ug/l	99
55) 1,1,2-Trichloroethane	10.54	97	36129	19.014	ug/l	96
56) Ethyl methacrylate	10.40	69	49322	17.245	ug/l	98
57) 1,3-Dichloropropane	10.68	76	59455	18.415	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	58712	72.623	ug/l	99
59) 2-Hexanone	10.72	43	177353	87.337	ug/l	100
60) Dibromochloromethane	10.88	129	41761	19.259	ug/l	99
61) 1,2-Dibromoethane	10.98	107	35392	18.876	ug/l	97
64) Tetrachloroethene	10.60	164	26851	18.900	ug/l	95
65) Chlorobenzene	11.41	112	88146	19.150	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	36914	19.971	ug/l	97
67) Ethyl Benzene	11.48	91	153934	18.689	ug/l	98
68) m/p-Xylenes	11.60	106	114809	38.398	ug/l	96
69) o-Xylene	11.92	106	54918	19.600	ug/l	98
70) Styrene	11.94	104	97705	19.838	ug/l	97
71) Bromoform	12.10	173	29385	19.430	ug/l #	99
73) Isopropylbenzene	12.22	105	159574	20.813	ug/l	97
74) N-amyl acetate	12.05	43	60160	19.362	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.48	83	52797	19.562	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	49693m	18.097	ug/l	
77) Bromobenzene	12.50	156	37938	19.915	ug/l	94
78) n-propylbenzene	12.57	91	177873	19.764	ug/l	99
79) 2-Chlorotoluene	12.65	91	114179	20.231	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	135420	20.359	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	18277	20.319	ug/l	98
82) 4-Chlorotoluene	12.75	91	113457	19.507	ug/l	99
83) tert-Butylbenzene	12.97	119	115115	20.453	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	131319	20.637	ug/l	100
85) sec-Butylbenzene	13.15	105	145659	19.707	ug/l	99
86) p-Isopropyltoluene	13.26	119	130928	19.957	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	64176	18.857	ug/l	97
88) 1,4-Dichlorobenzene	13.34	146	63215	18.520	ug/l	99
89) n-Butylbenzene	13.59	91	100987	18.200	ug/l	99
90) Hexachloroethane	13.85	117	26000	18.385	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	64119	20.096	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	11228	19.377	ug/l	98

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MSVOA_N
ClientSampleId :
VN0813WBSD01

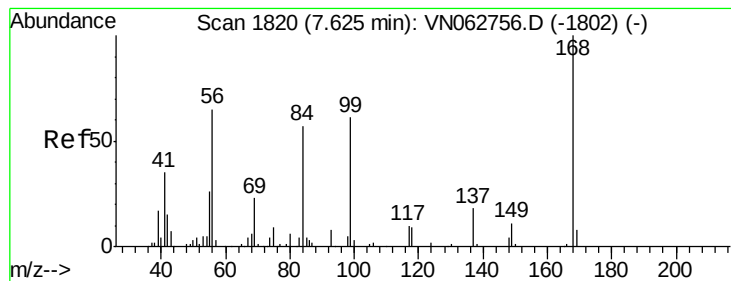
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:26:42 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	25778	17.366	ug/l	98
94) Hexachlorobutadiene	14.98	225	21909	20.916	ug/l	95
95) Naphthalene	15.11	128	66742	16.909	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	27239	17.985	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062907.D

Acq: 13 Aug 2020 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBSD01

Tot Ion:168 Resp: 150381

Ion Ratio Lower Upper

168 100

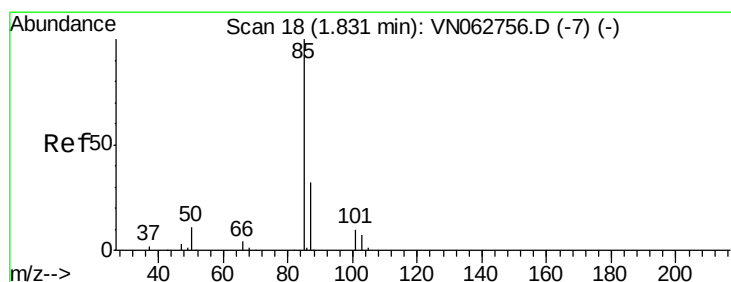
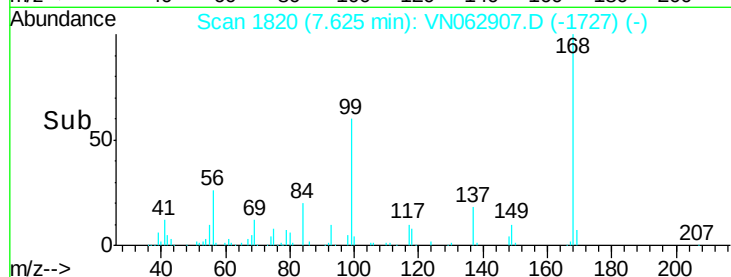
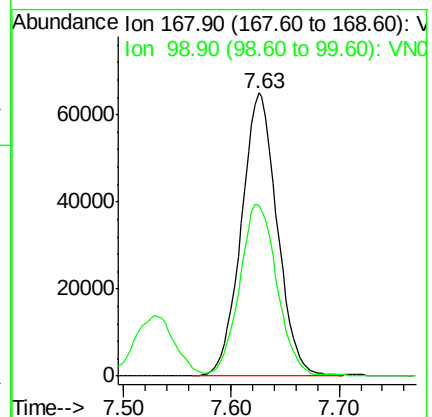
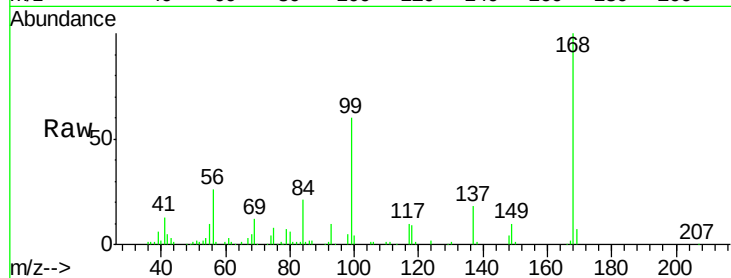
99 59.9 52.9 79.3

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 19.910 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062907.D

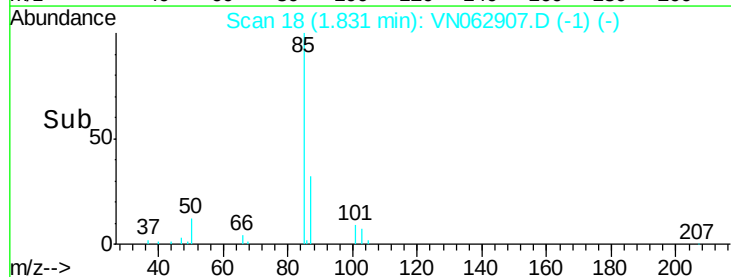
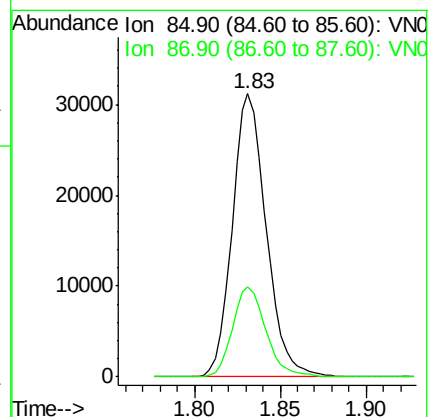
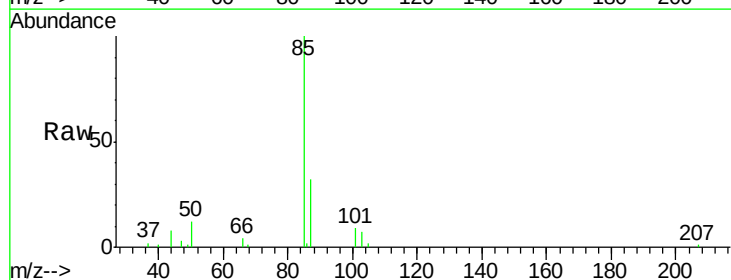
Acq: 13 Aug 2020 13:37

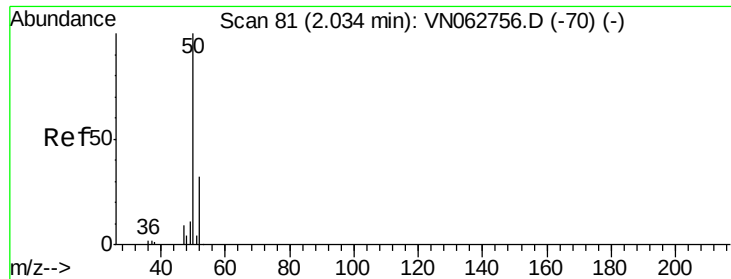
Tgt Ion: 85 Resp: 42875

Ion Ratio Lower Upper

85 100

87 32.0 16.2 48.6





#3

Chloromethane

Concen: 22.622 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062907.D

Acq: 13 Aug 2020 13:37

Instrument :

MSVOA_N

ClientSampled :

VN0813WBSD01

Tot Ion: 50 Resp: 45969

Ion Ratio Lower Upper

50 100

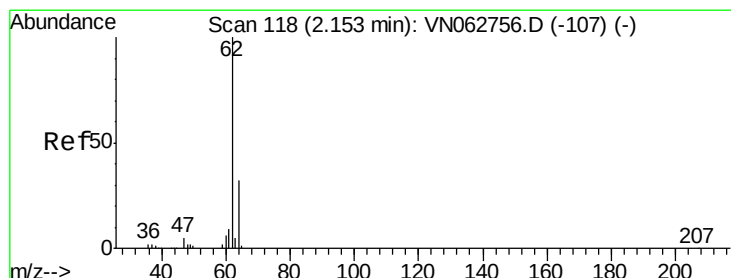
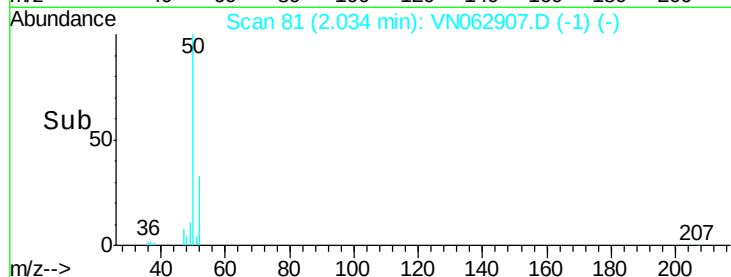
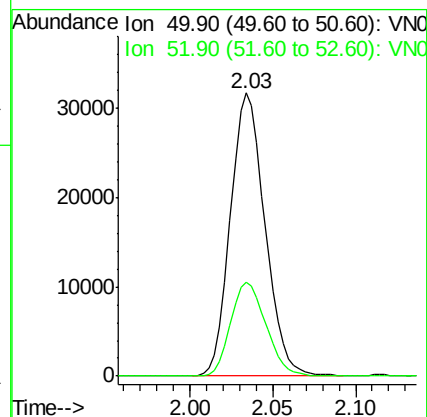
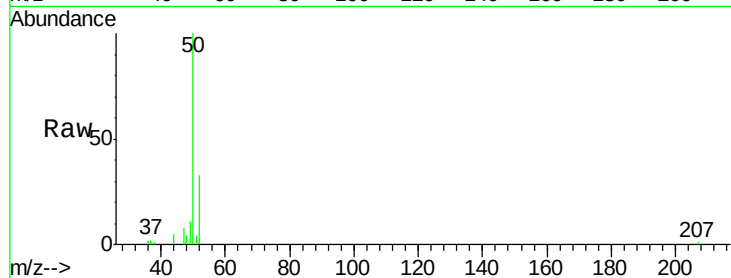
52 33.3 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 23.594 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN062907.D

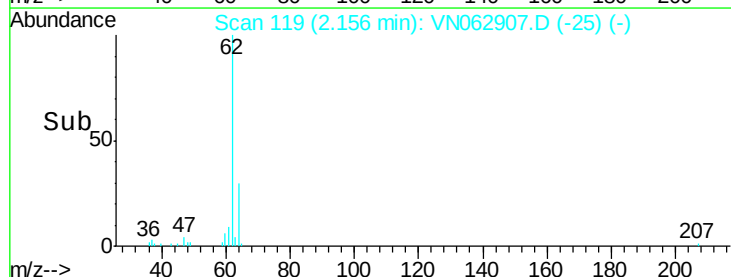
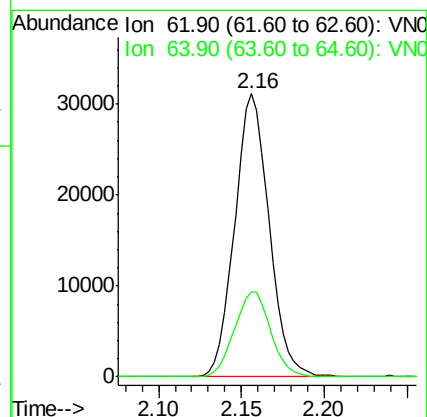
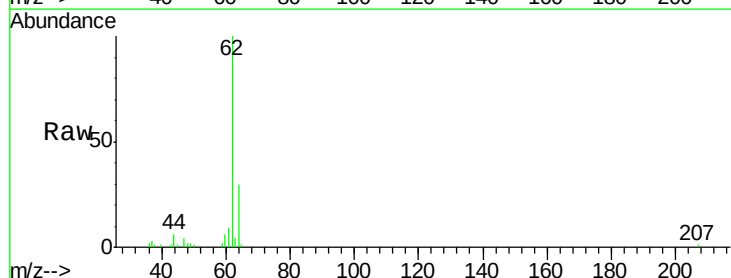
Acq: 13 Aug 2020 13:37

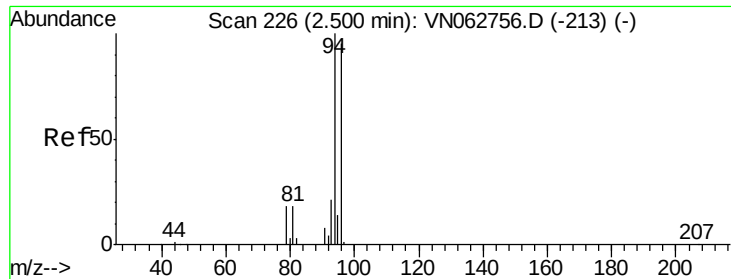
Tgt Ion: 62 Resp: 44968

Ion Ratio Lower Upper

62 100

64 30.2 25.8 38.8





#5

Bromomethane

Concen: 21.540 ug/l

RT: 2.51 min Scan# 230

Delta R.T. 0.01 min

Lab File: VN062907.D

Acq: 13 Aug 2020 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBSD01

Tot Ion: 94 Resp: 27177

Ion Ratio Lower Upper

94 100

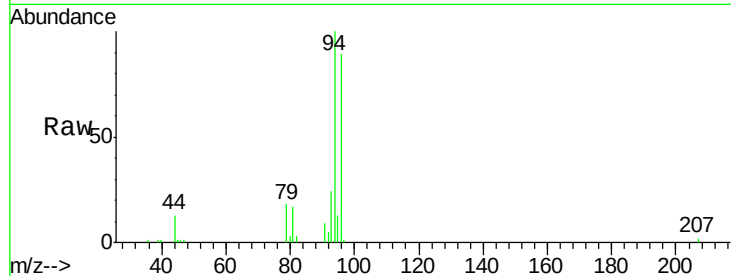
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Manual Integrations

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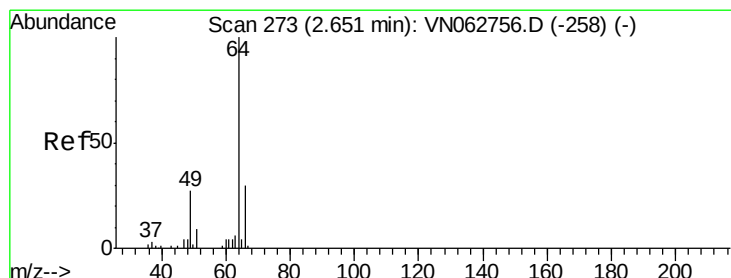
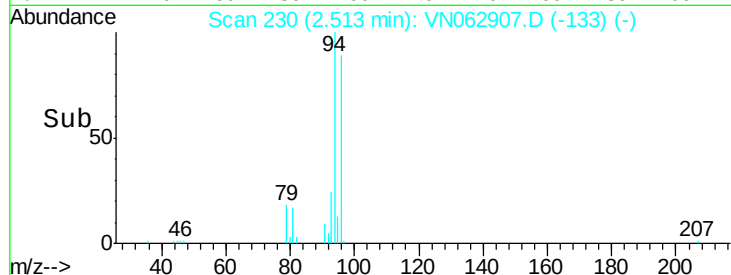
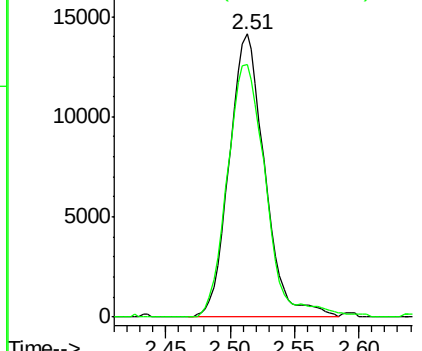
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 22.207 ug/l

RT: 2.66 min Scan# 275

Delta R.T. 0.01 min

Lab File: VN062907.D

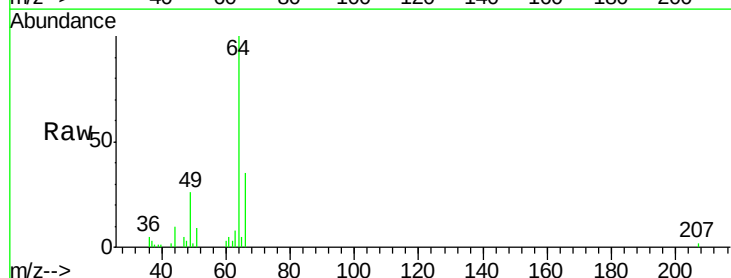
Acq: 13 Aug 2020 13:37

Tgt Ion: 64 Resp: 27845

Ion Ratio Lower Upper

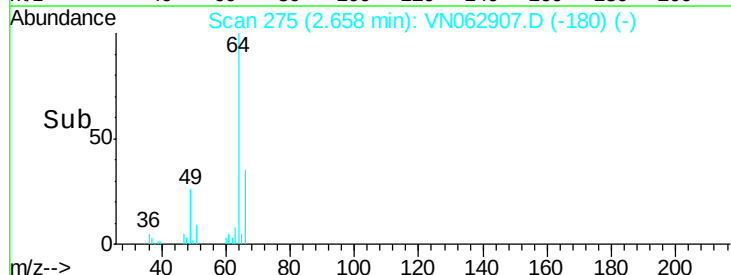
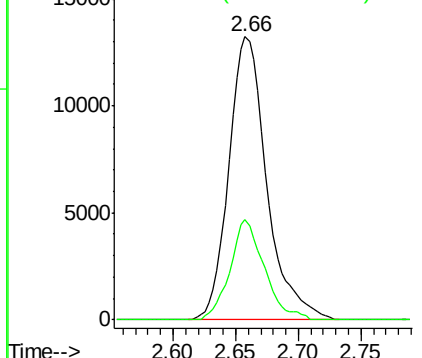
64 100

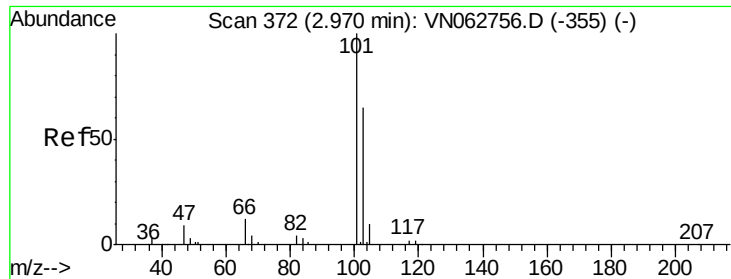
66 35.5 24.0 36.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

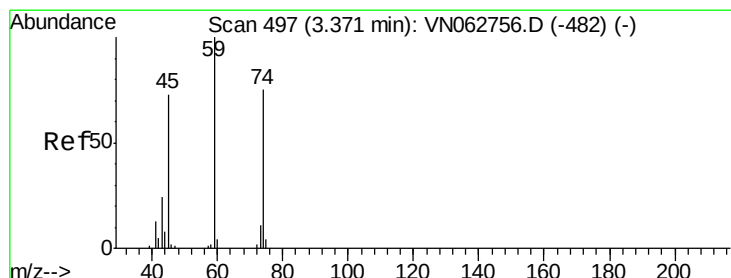
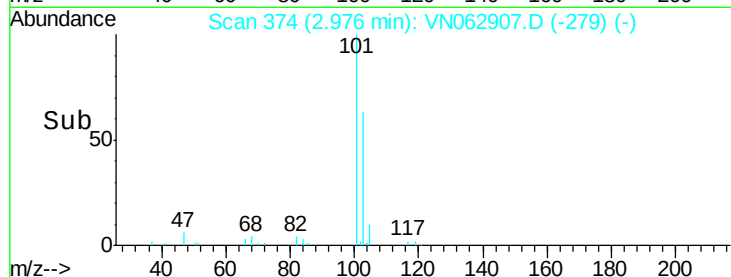
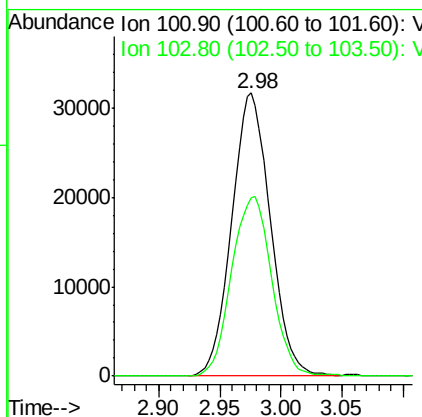
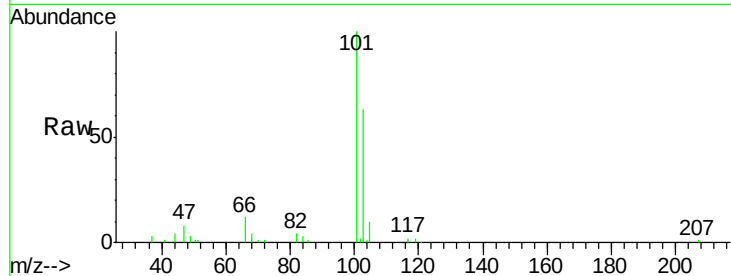
Trichlorofluoromethane
 Concen: 20.444 ug/l
 RT: 2.98 min Scan# 374
 Delta R.T. 0.01 min
 Lab File: VN062907.D
 Acq: 13 Aug 2020 13:37

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 ClientSampleId :
 VN0813WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	52.3	78.5

Manual Integrations
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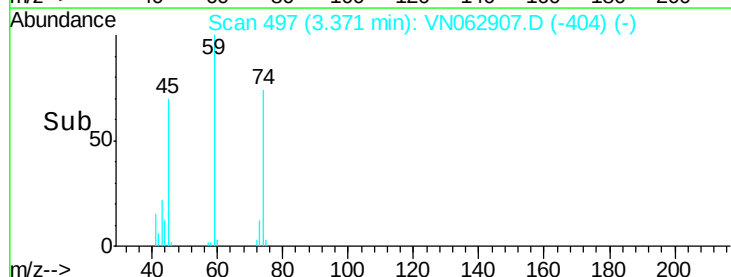
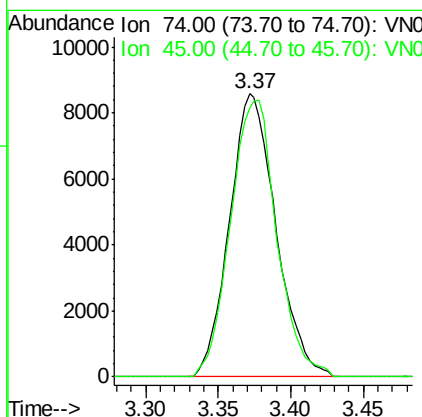
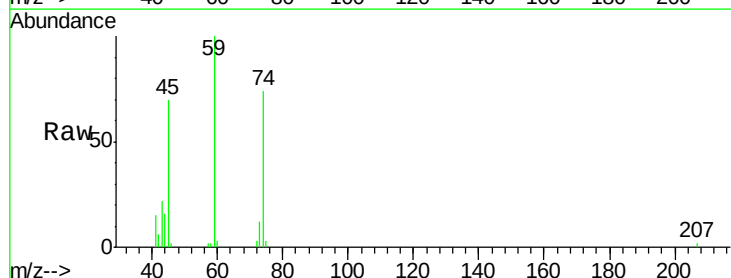
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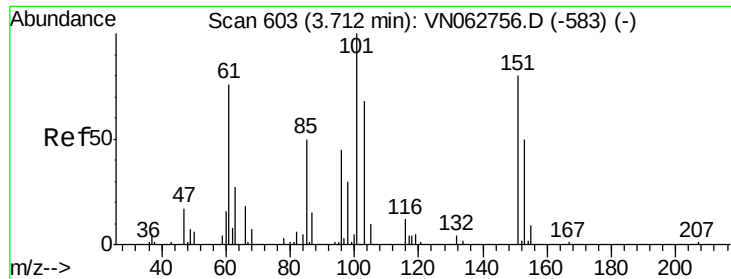


#8

Diethyl Ether
 Concen: 19.586 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN062907.D
 Acq: 13 Aug 2020 13:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.6	48.7	146.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.102 ug/l

RT: 3.71 min Scan# 603

Delta R.T. 0.00 min

Lab File: VN062907.D

Acq: 13 Aug 2020 13:37

Instrument :

MSVOA_N

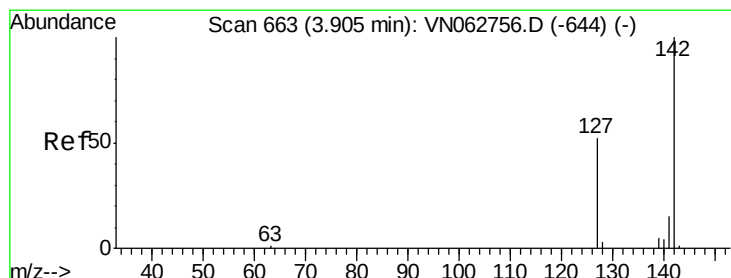
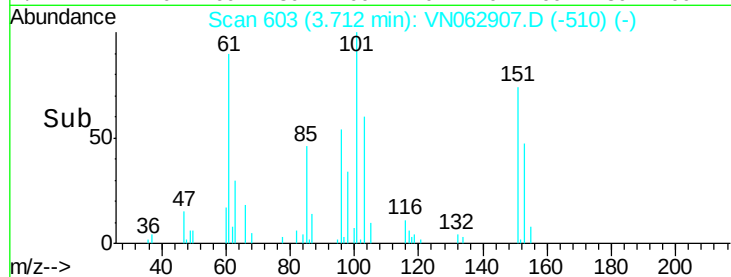
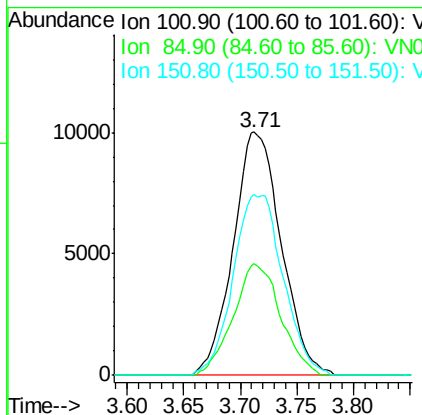
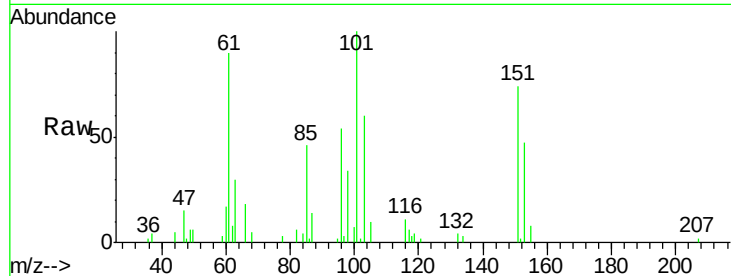
ClientSampleId :

VN0813WBSD01

Tot Ion:	101	Resp:	29620
Ion Ratio	Lower	Upper	
101	100		
85	45.3	38.5	57.7
151	77.0	63.0	94.6

Manual Integrations
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#10

Methyl Iodide

Concen: 21.161 ug/l

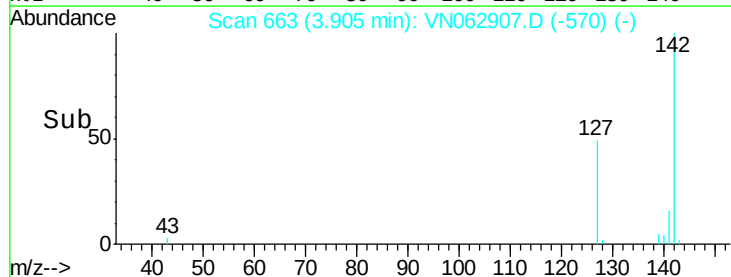
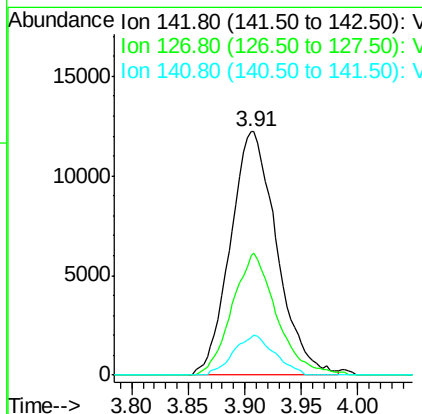
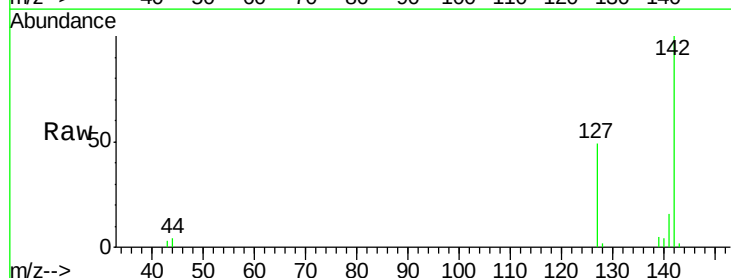
RT: 3.91 min Scan# 663

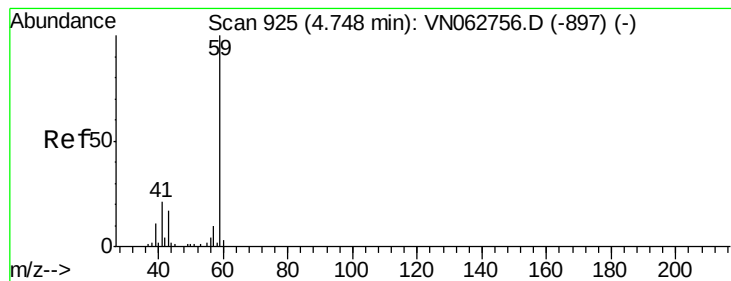
Delta R.T. -0.00 min

Lab File: VN062907.D

Acq: 13 Aug 2020 13:37

Tgt Ion:	142	Resp:	34857
Ion Ratio	Lower	Upper	
142	100		
127	48.0	41.4	62.0
141	14.6	12.2	18.4





#11

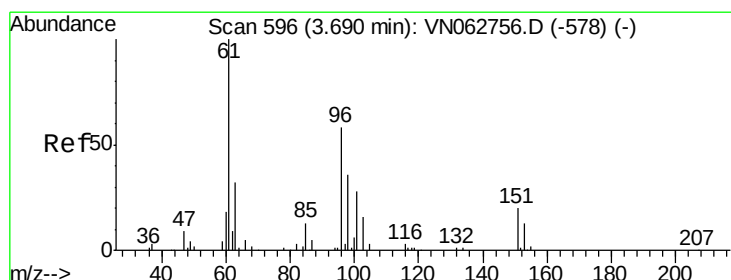
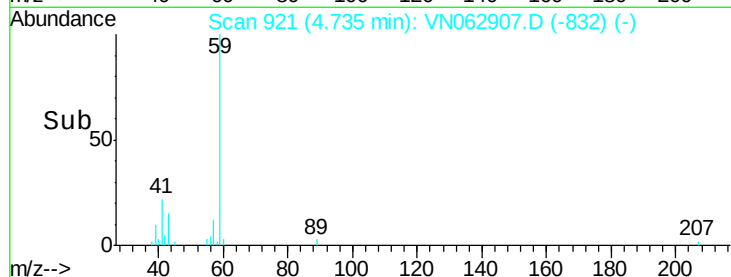
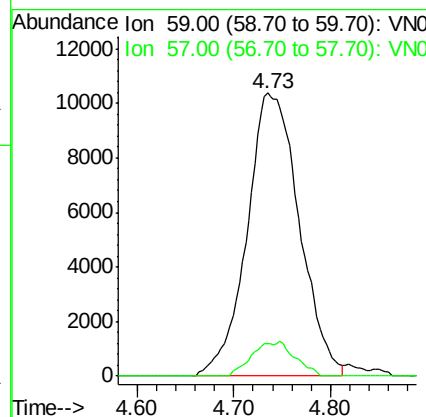
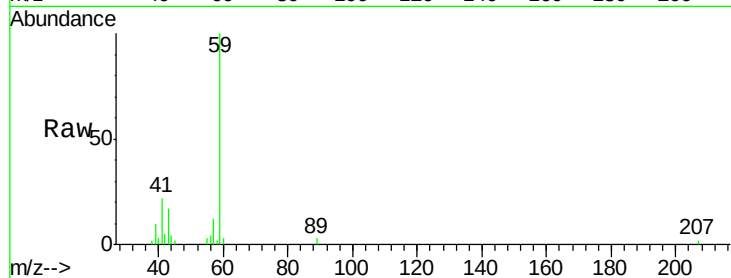
Tert butyl alcohol
Concen: 95.487 ug/l
RT: 4.73 min Scan# 921
Delta R.T. -0.01 min
Lab File: VN062907.D
Acq: 13 Aug 2020 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	38919		
57	5.4		8.3	12.5#

Manual Integrations
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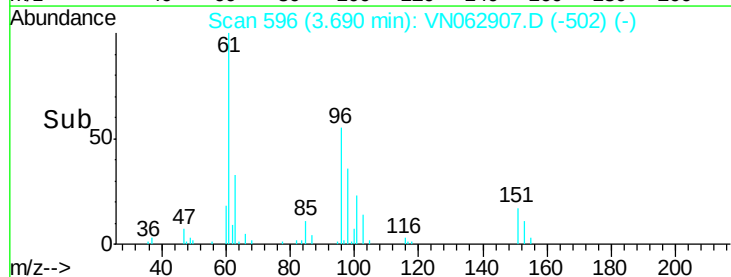
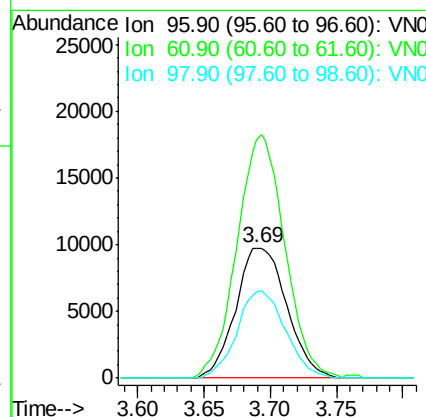
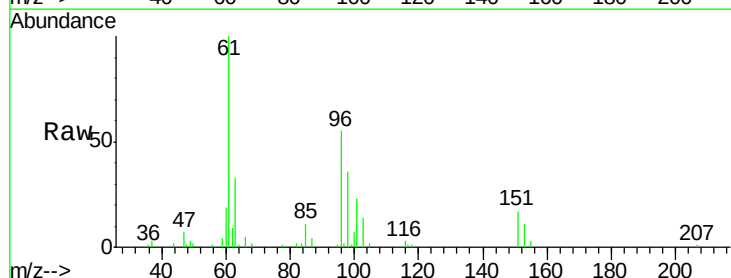
MMDadoda
8/14/2020 4:50:15 PM

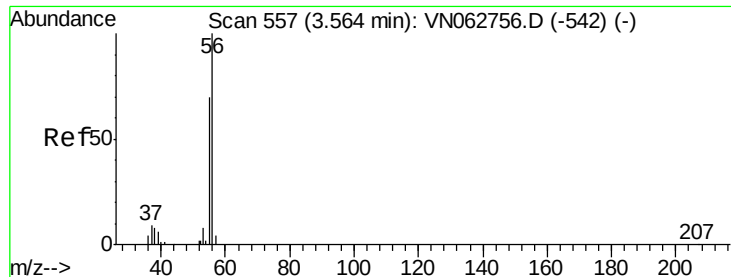


#12

1,1-Dichloroethene
Concen: 19.659 ug/l
RT: 3.69 min Scan# 596
Delta R.T. 0.00 min
Lab File: VN062907.D
Acq: 13 Aug 2020 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	26085		
61	183.2		139.0	208.6
98	65.9		50.2	75.4





#13

Acrolein

Concen: 86.753 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062907.D

Acq: 13 Aug 2020 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBSD01

Tot Ion: 56 Resp: 21409

Ion Ratio Lower Upper

56 100

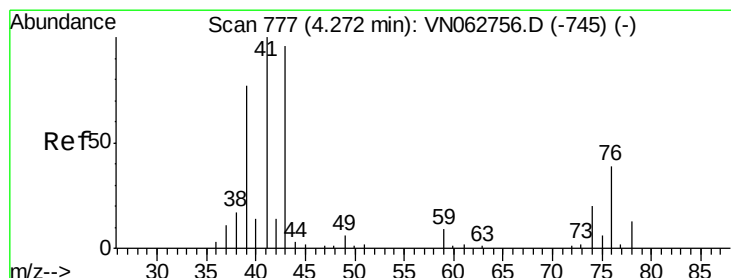
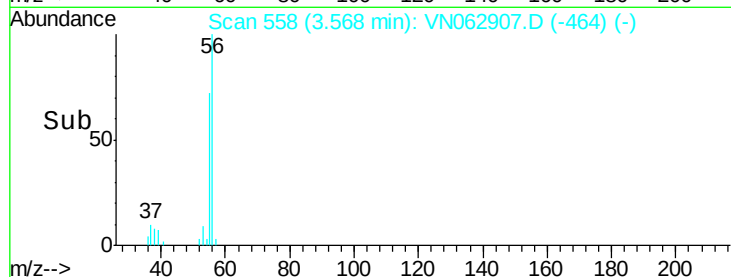
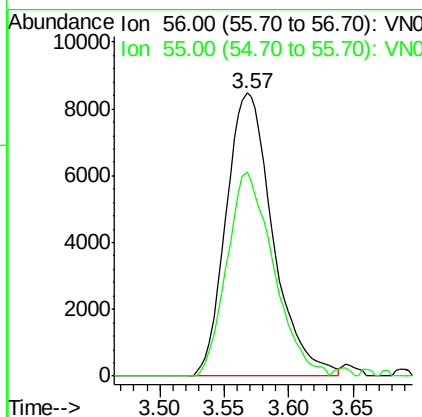
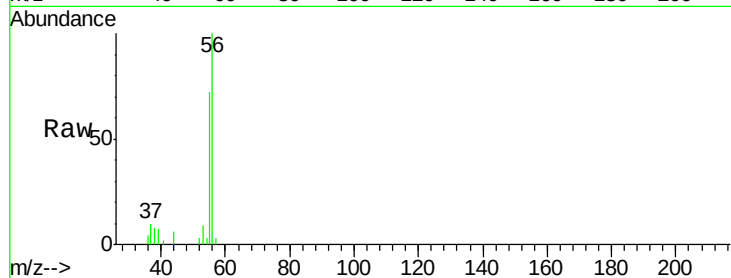
55 71.4 57.0 85.6

Manual Integrations

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#14

Allyl chloride

Concen: 19.342 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN062907.D

Acq: 13 Aug 2020 13:37

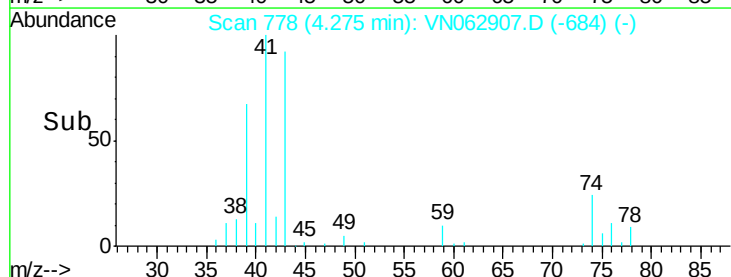
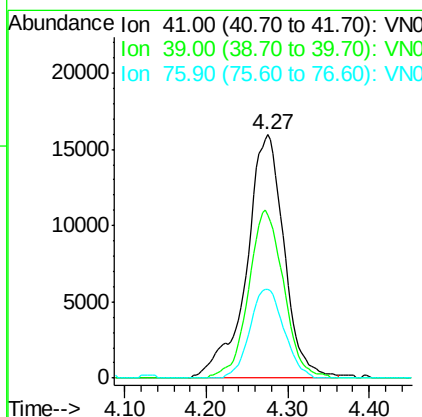
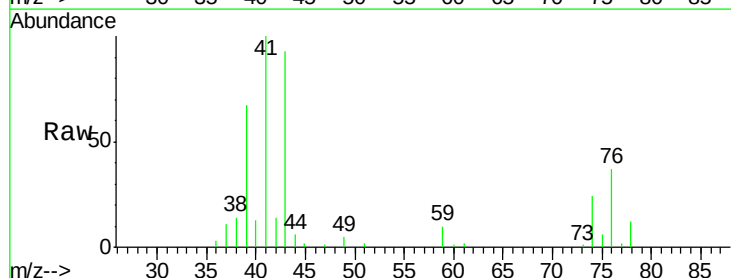
Tgt Ion: 41 Resp: 50925

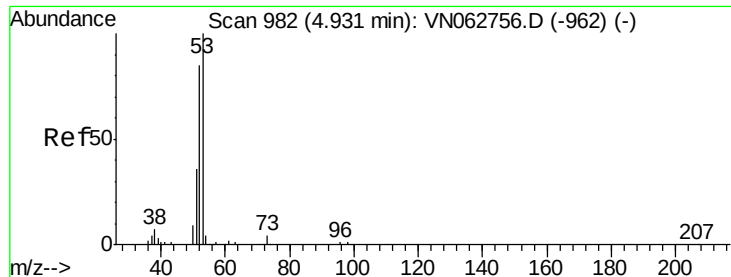
Ion Ratio Lower Upper

41 100

39 64.0 55.7 83.5

76 33.2 27.5 41.3





#15

Acrylonitrile

Concen: 100.458 ug/l

RT: 4.93 min Scan# 983

Delta R.T. 0.00 min

Lab File: VN062907.D

Acq: 13 Aug 2020 13:37

Instrument :

MSVOA_N

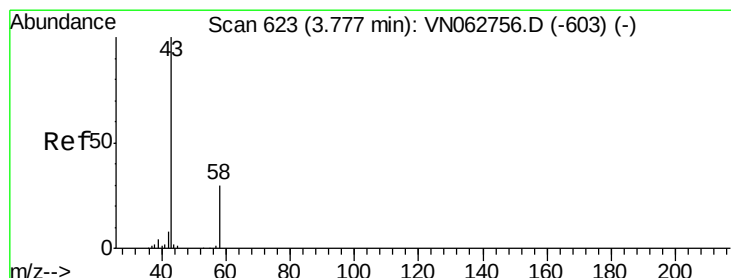
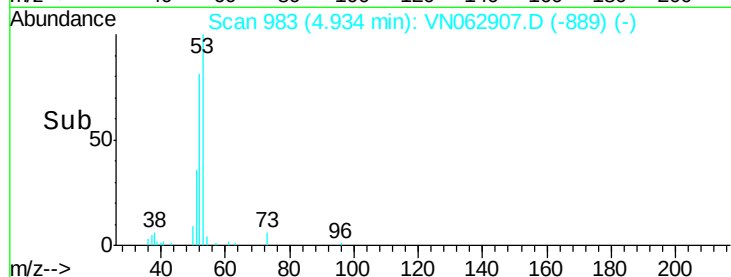
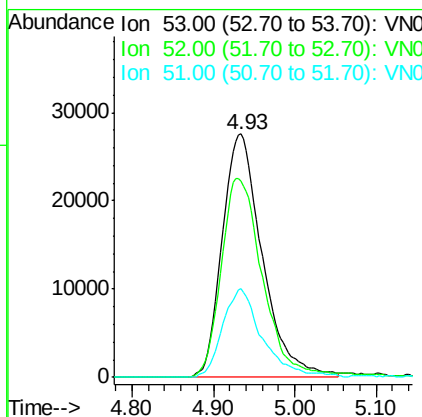
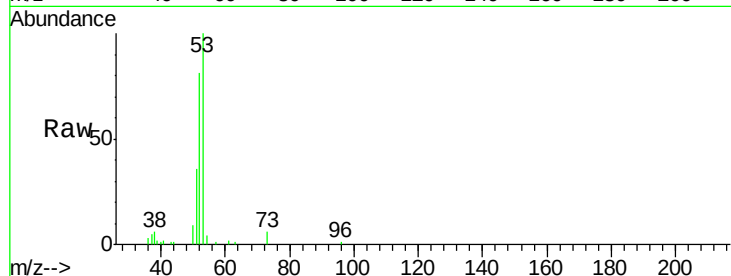
ClientSampleId :

VN0813WBSD01

Tot Ion:	53	Resp:	94968
Ion Ratio	Lower	Upper	
53	100		
52	83.8	66.8	100.2
51	35.3	29.5	44.3

Manual Integrations
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8/14/2020 4:50:15 PM



#16

Acetone

Concen: 97.284 ug/l

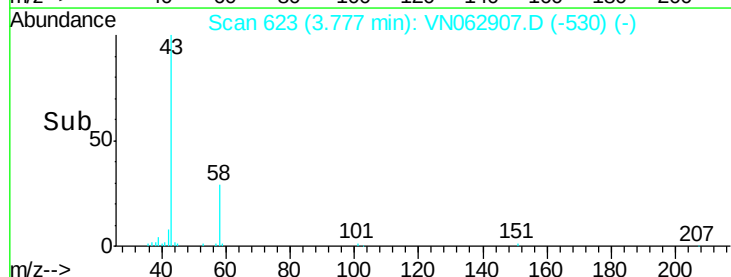
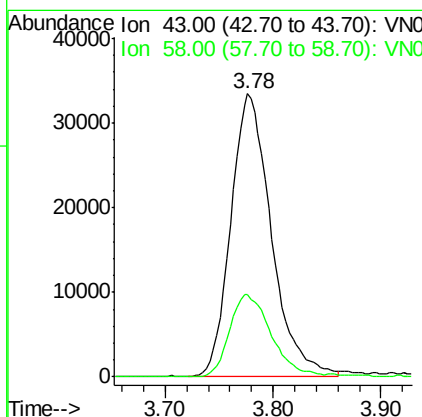
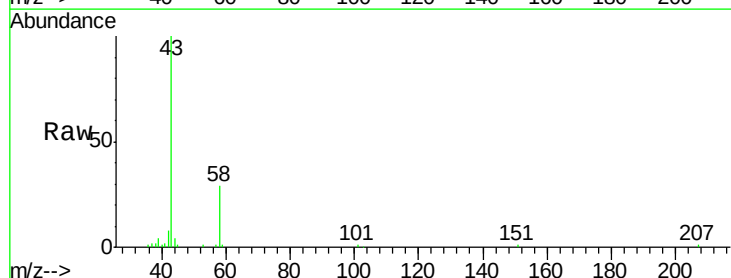
RT: 3.78 min Scan# 623

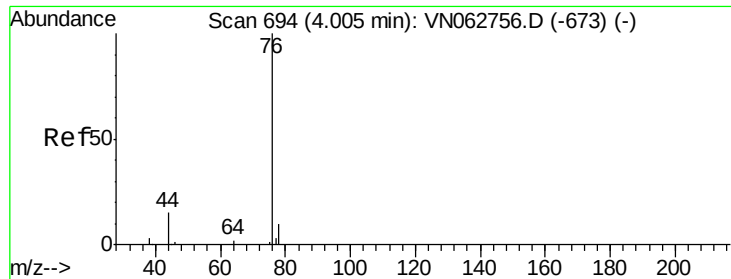
Delta R.T. -0.00 min

Lab File: VN062907.D

Acq: 13 Aug 2020 13:37

Tgt Ion:	43	Resp:	87418
Ion Ratio	Lower	Upper	
43	100		
58	28.4	24.1	36.1





#17

Carbon Disulfide

Concen: 17.798 ug/l

RT: 4.00 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN062907.D

Acq: 13 Aug 2020 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBSD01

Tot Ion: 76 Resp: 66888

Ion Ratio Lower Upper

76 100

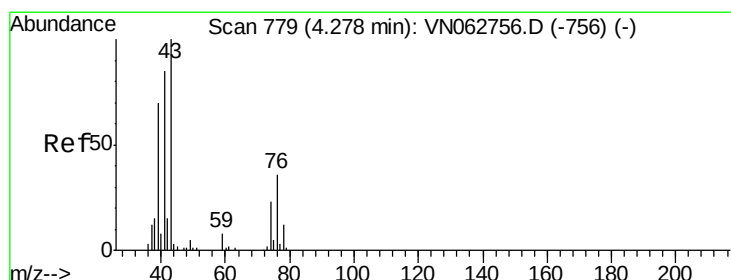
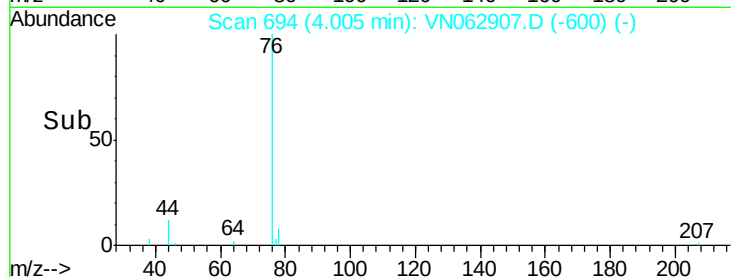
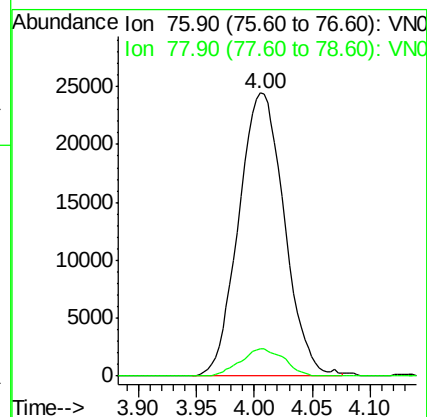
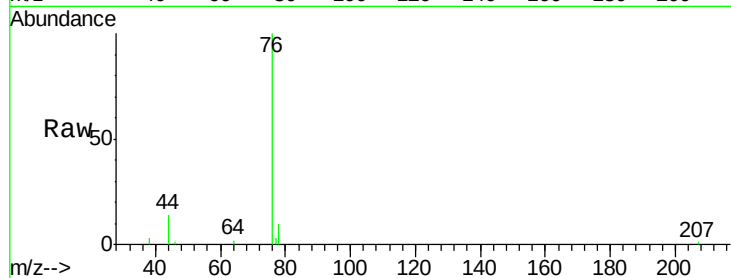
78 9.6 7.7 11.5

Manual Integrations

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#18

Methyl Acetate

Concen: 21.264 ug/l

RT: 4.28 min Scan# 780

Delta R.T. 0.00 min

Lab File: VN062907.D

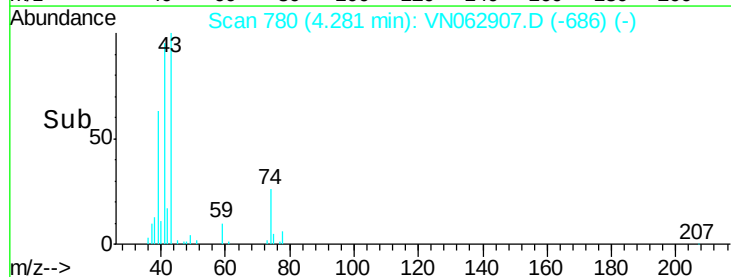
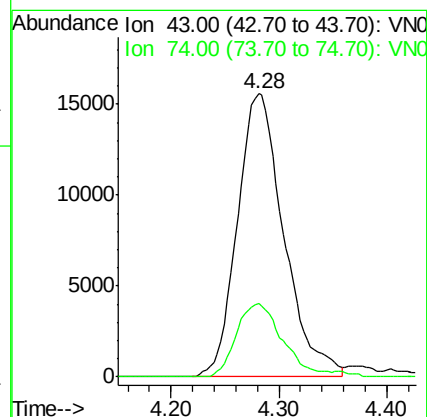
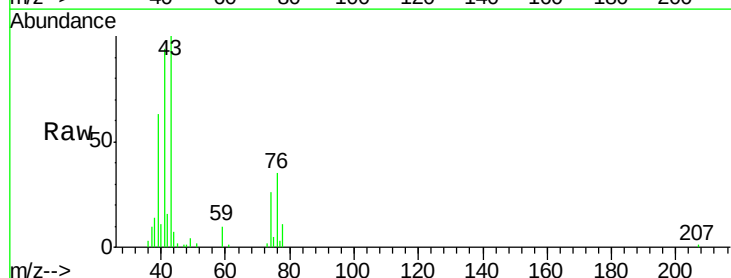
Acq: 13 Aug 2020 13:37

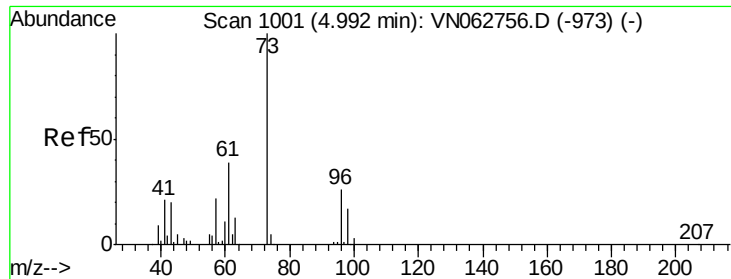
Tgt Ion: 43 Resp: 46572

Ion Ratio Lower Upper

43 100

74 25.7 18.6 28.0





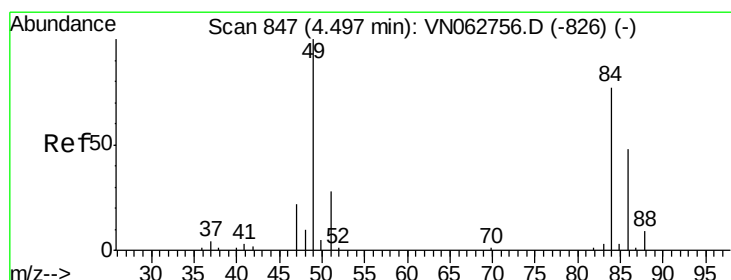
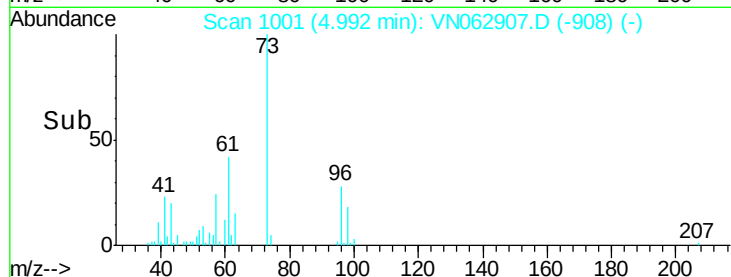
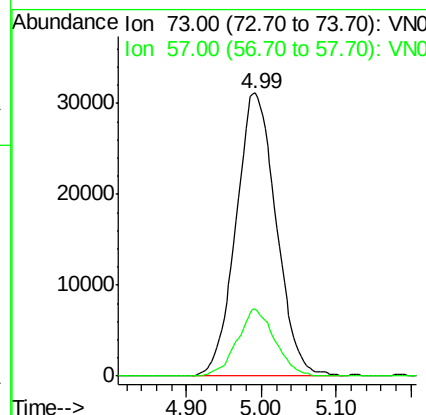
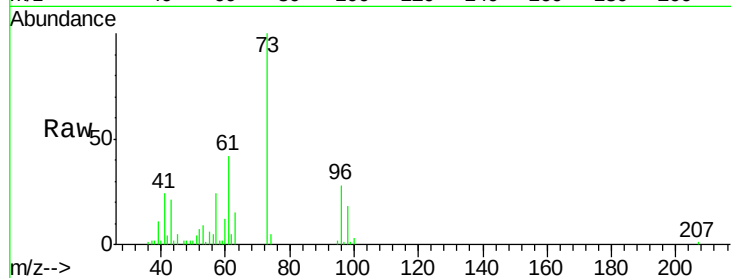
#19
Methyl tert-butyl Ether
Concen: 20.004 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN062907.D
Acq: 13 Aug 2020 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion: 73 Resp: 116550
Ion Ratio Lower Upper
73 100
57 23.6 17.5 26.3

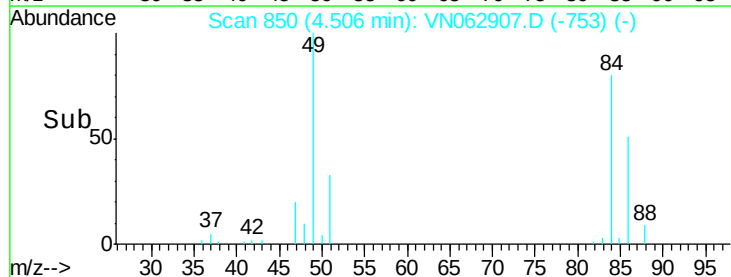
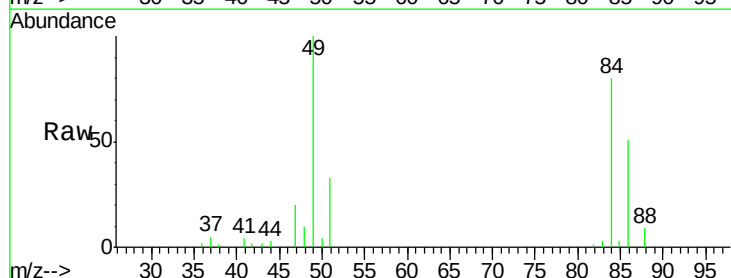
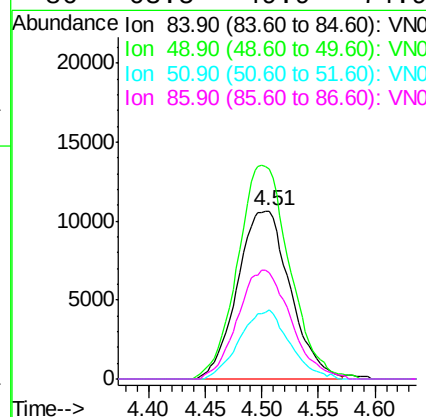
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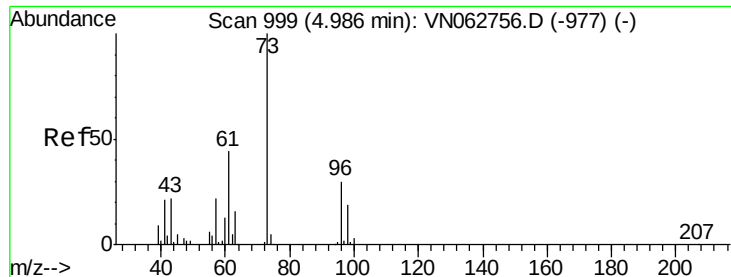
MMDadoda
8/14/2020 4:50:15 PM



#20
Methylene Chloride
Concen: 20.554 ug/l
RT: 4.51 min Scan# 850
Delta R.T. 0.01 min
Lab File: VN062907.D
Acq: 13 Aug 2020 13:37

Tgt Ion: 84 Resp: 34536
Ion Ratio Lower Upper
84 100
49 124.9 103.4 155.2
51 40.9 29.3 43.9
86 63.5 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 18.637 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN062907.D

Acq: 13 Aug 2020 13:37

Instrument :

MSVOA_N

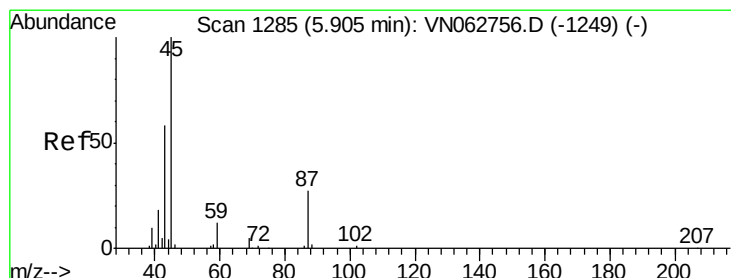
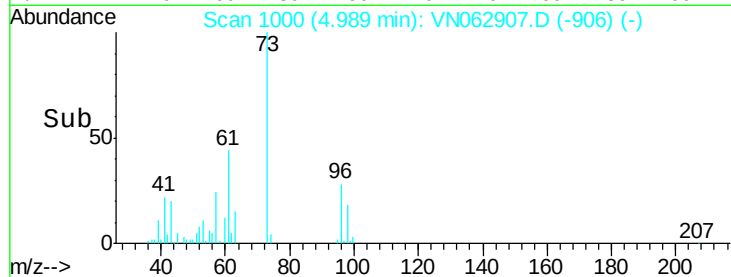
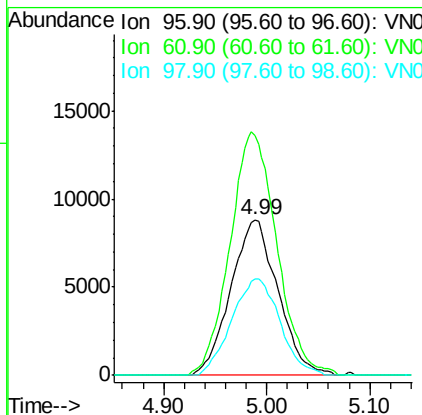
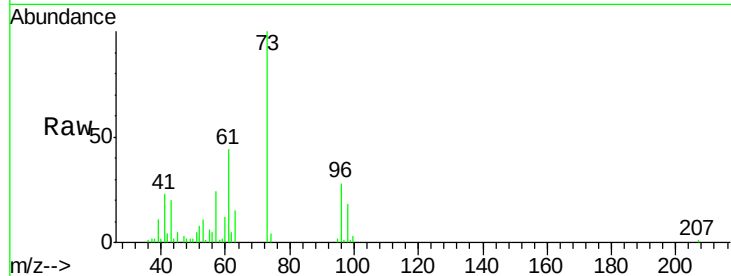
ClientSampled :

VN0813WBSD01

Tot Ion:	96	Resp:	28046
Ion	Ratio	Lower	Upper
96	100		
61	154.6	118.8	178.2
98	61.9	51.0	76.4

Manual Integrations
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8/14/2020 4:50:15 PM



#22

Diisopropyl ether

Concen: 20.639 ug/l

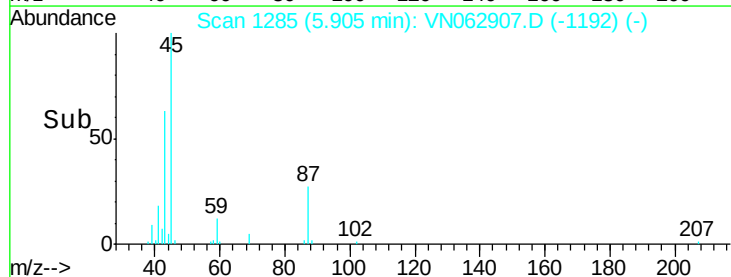
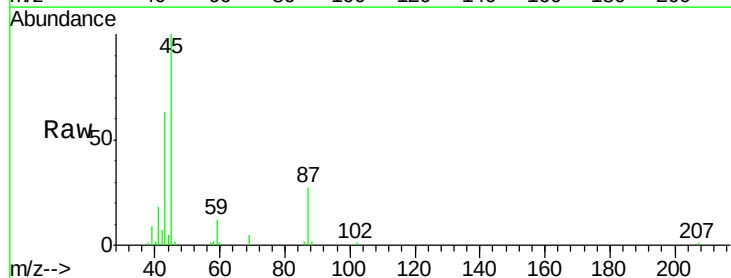
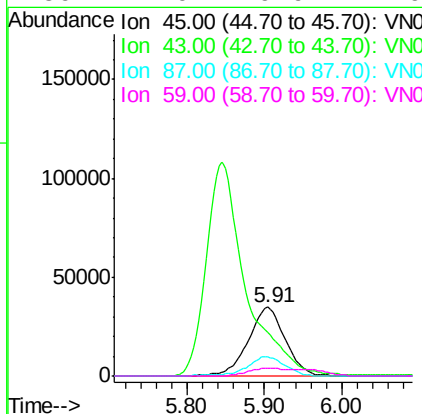
RT: 5.91 min Scan# 1285

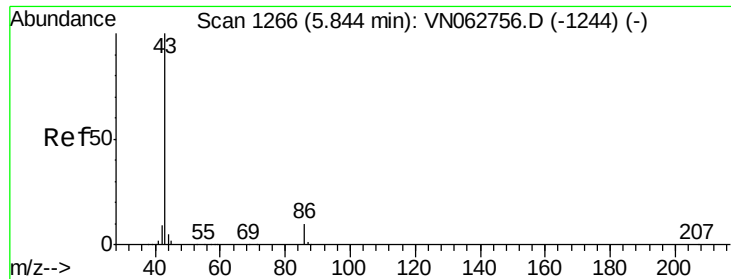
Delta R.T. -0.00 min

Lab File: VN062907.D

Acq: 13 Aug 2020 13:37

Tgt Ion:	45	Resp:	115679
Ion	Ratio	Lower	Upper
45	100		
43	60.2	47.4	71.2
87	27.5	22.8	34.2
59	12.0	9.9	14.9





#23

Vinyl Acetate

Concen: 90.490 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN062907.D

Acq: 13 Aug 2020 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBSD01

Tot Ion: 43 Resp: 385769

Ion Ratio Lower Upper

43 100

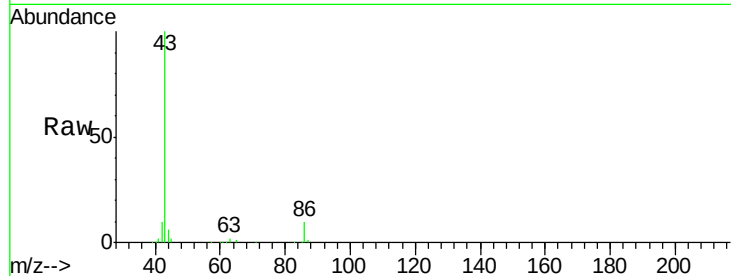
86 9.7 7.7 11.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.84

120000

100000

80000

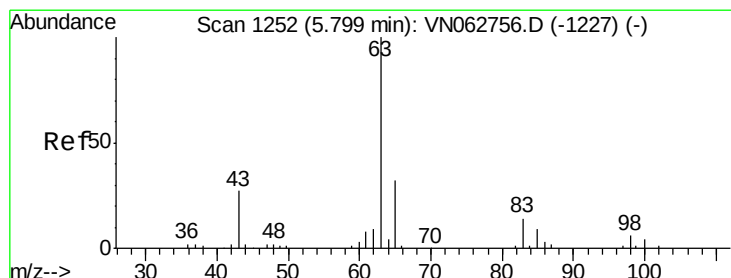
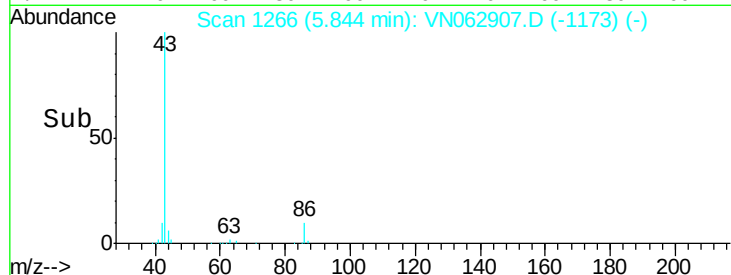
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.243 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN062907.D

Acq: 13 Aug 2020 13:37

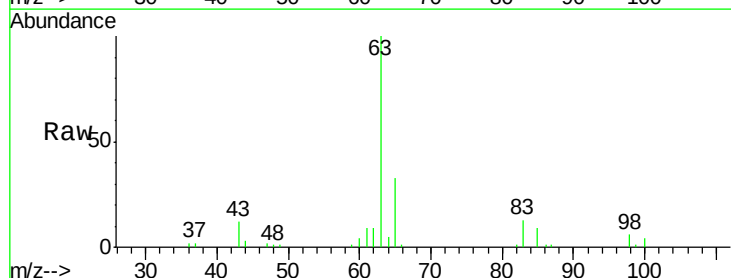
Tgt Ion: 63 Resp: 63203

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

100 4.0 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

25000

20000

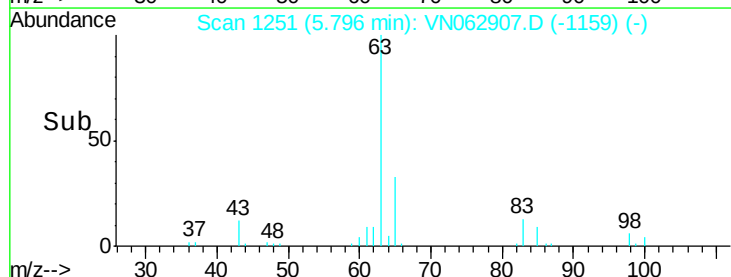
15000

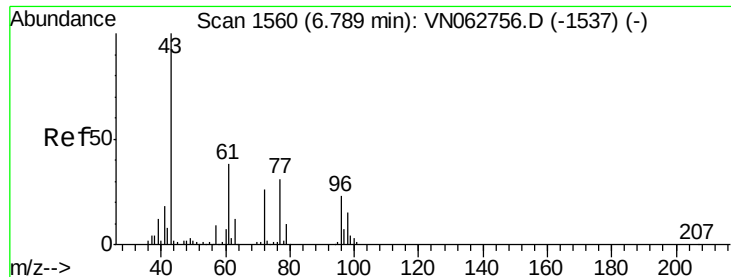
10000

5000

0

Time-->





#25

2-Butanone

Concen: 95.547 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VN062907.D

Acq: 13 Aug 2020 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBSD01

Tot Ion: 43 Resp: 121600

Ion Ratio Lower Upper

43 100

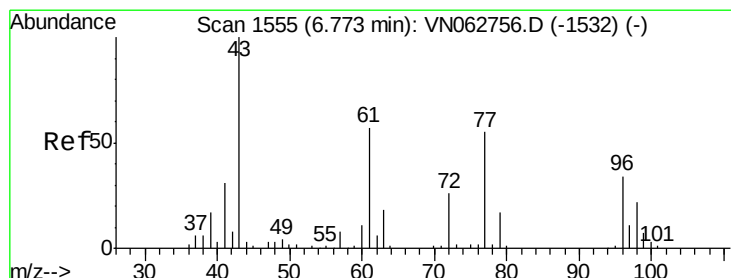
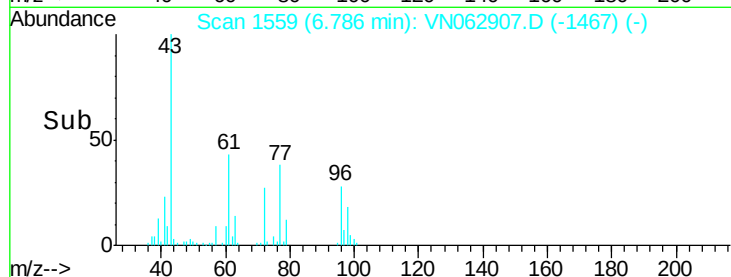
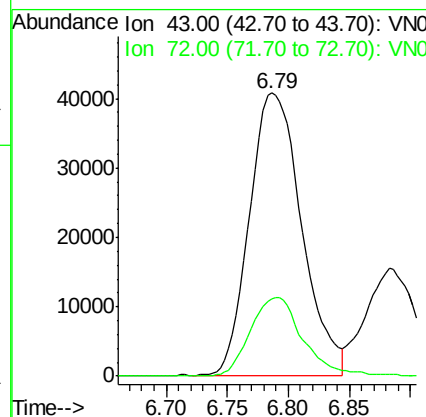
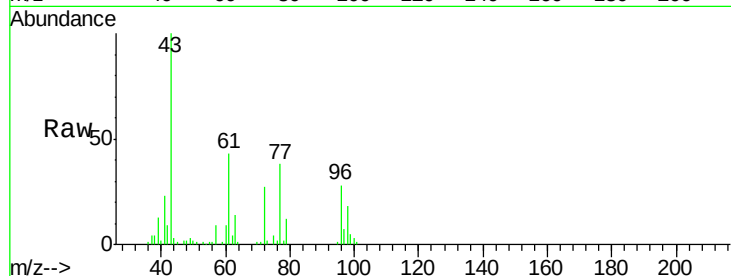
72 27.3 21.1 31.7

Manual Integrations

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MMDadoda

8/14/2020 4:50:15 PM



#26

2,2-Dichloropropane

Concen: 18.889 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN062907.D

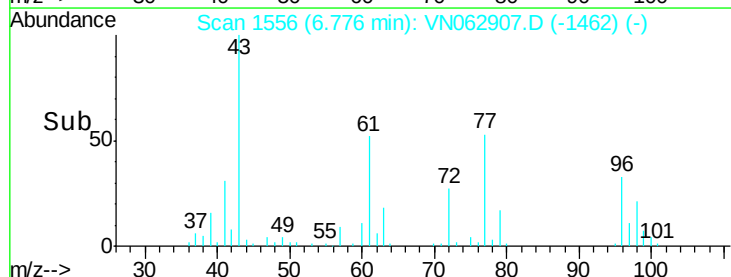
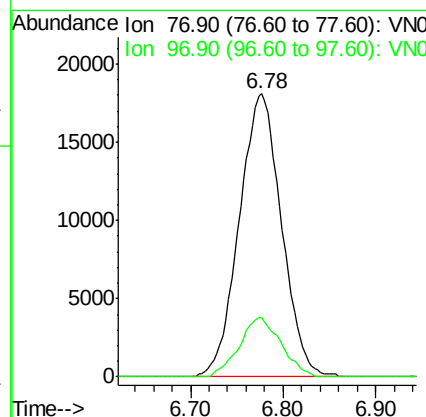
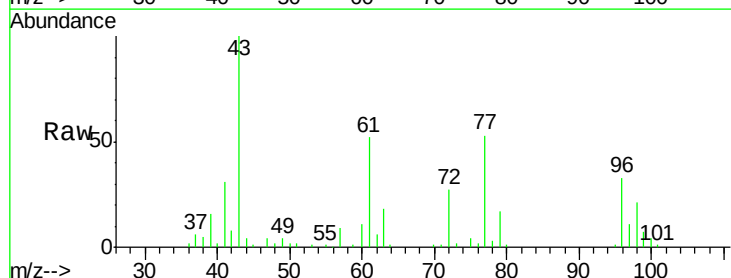
Acq: 13 Aug 2020 13:37

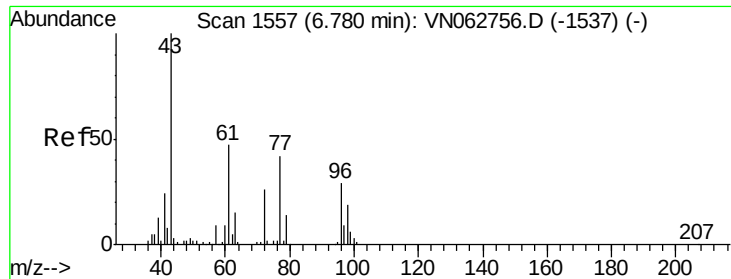
Tgt Ion: 77 Resp: 57189

Ion Ratio Lower Upper

77 100

97 20.7 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 19.117 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN062907.D

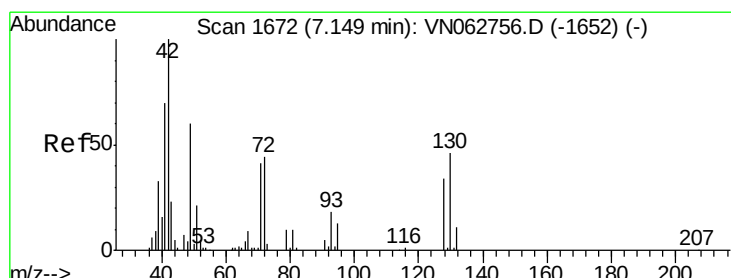
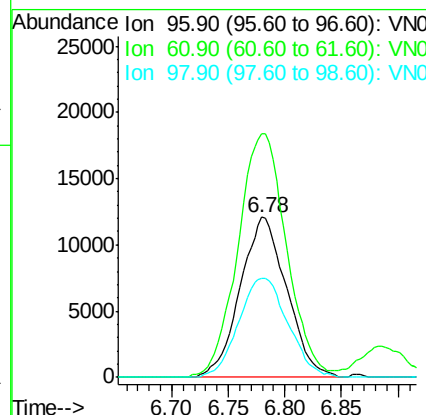
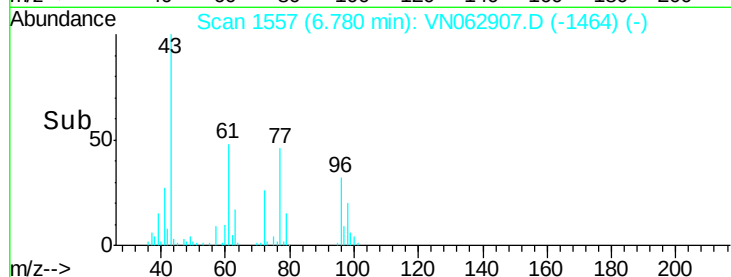
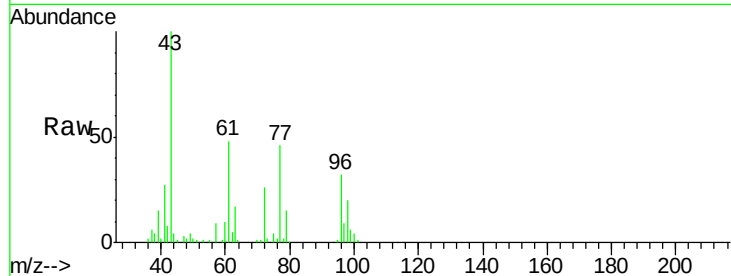
Acq: 13 Aug 2020 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	34511		
61	158.6		0.0	332.2
98	65.7		0.0	129.4

Manual Integrations
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#28

Bromochloromethane

Concen: 18.870 ug/l

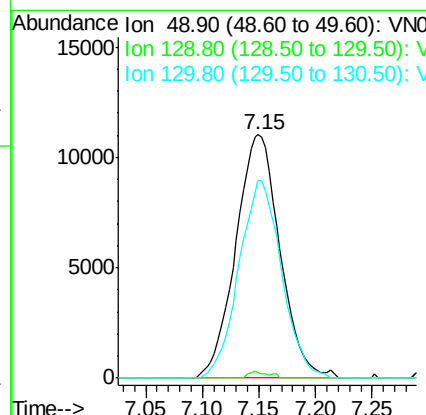
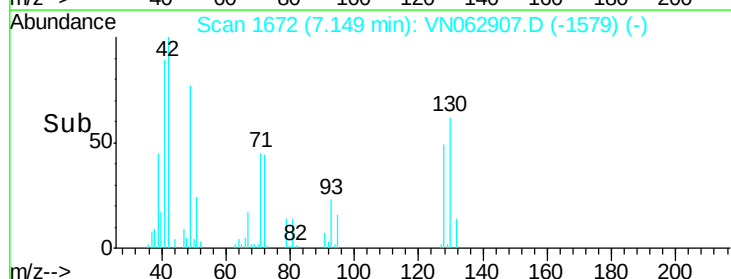
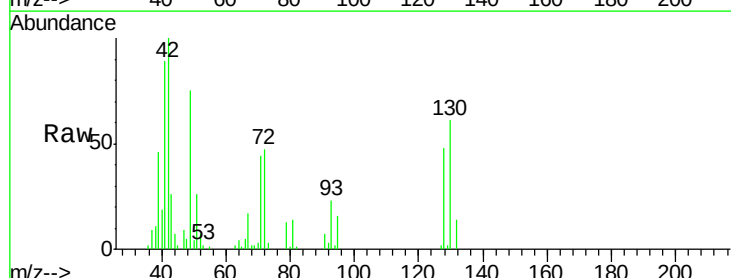
RT: 7.15 min Scan# 1672

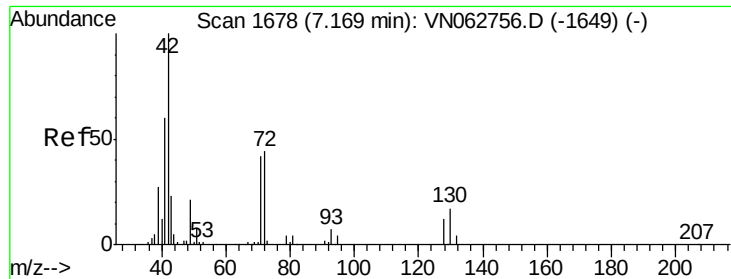
Delta R.T. -0.00 min

Lab File: VN062907.D

Acq: 13 Aug 2020 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	29912		
129	1.2		0.0	3.2
130	78.5		59.0	88.6





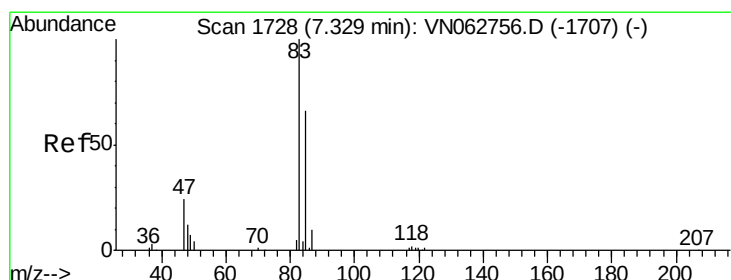
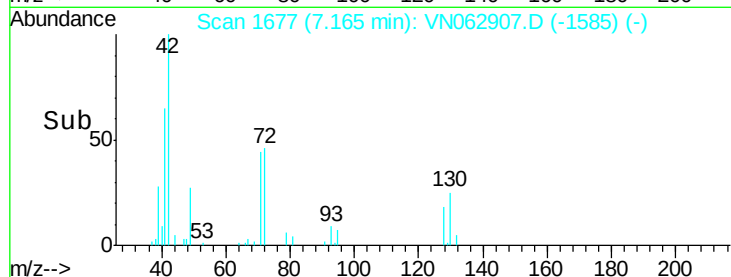
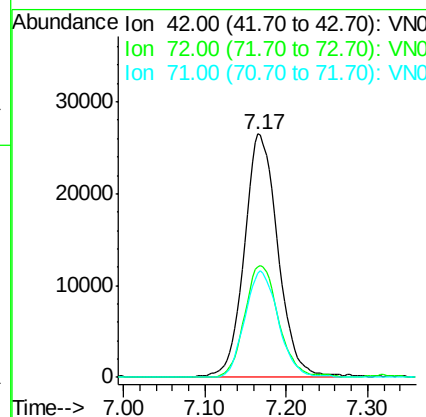
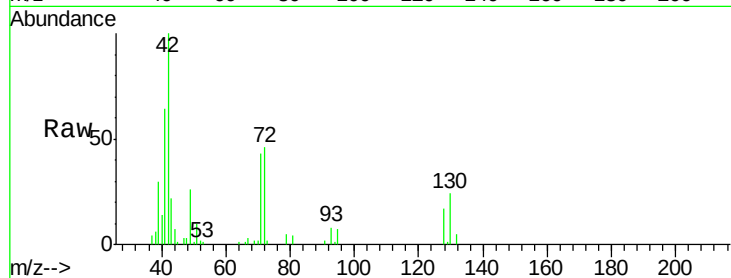
#29
Tetrahydrofuran
Concen: 91.264 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062907.D
Acq: 13 Aug 2020 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.8	35.0	52.4
71	43.1	33.2	49.8

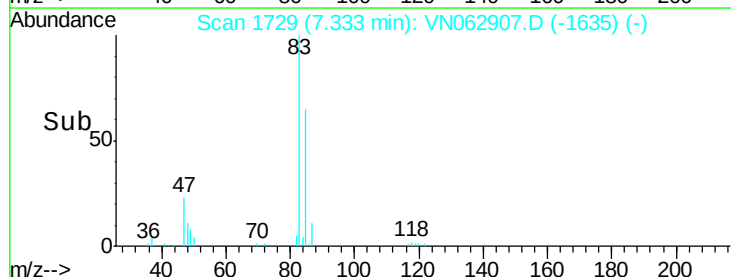
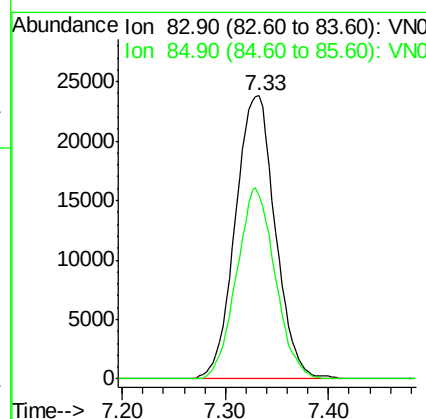
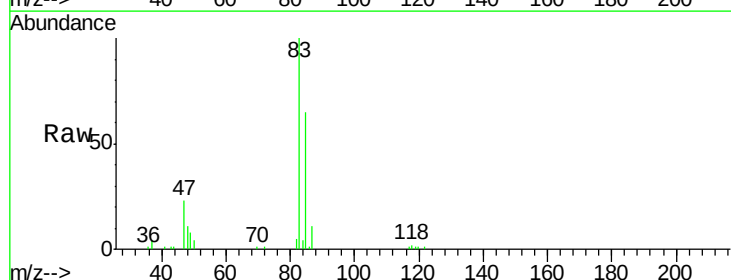
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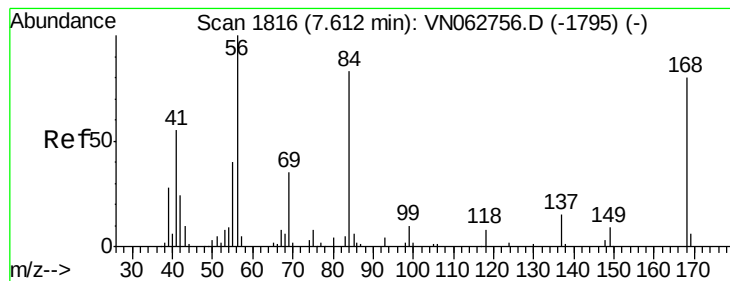
MMDadoda
8/14/2020 4:50:15 PM



#30
Chloroform
Concen: 18.377 ug/l
RT: 7.33 min Scan# 1729
Delta R.T. 0.00 min
Lab File: VN062907.D
Acq: 13 Aug 2020 13:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.7	79.1





#31

Cyclohexane

Concen: 17.835 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN062907.D

Acq: 13 Aug 2020 13:37

Instrument :

MSVOA_N

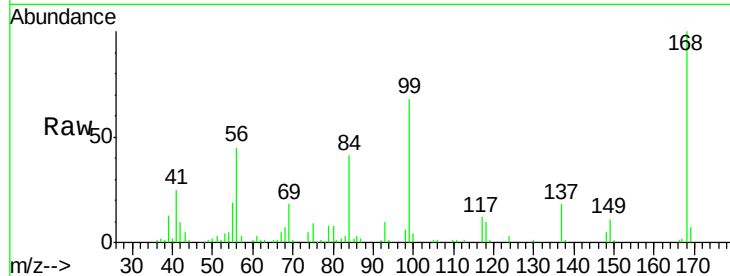
ClientSampleId :

VN0813WBSD01

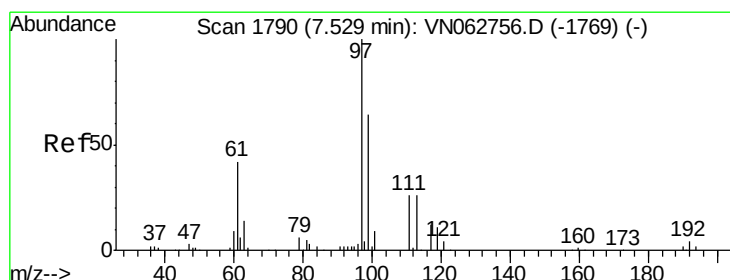
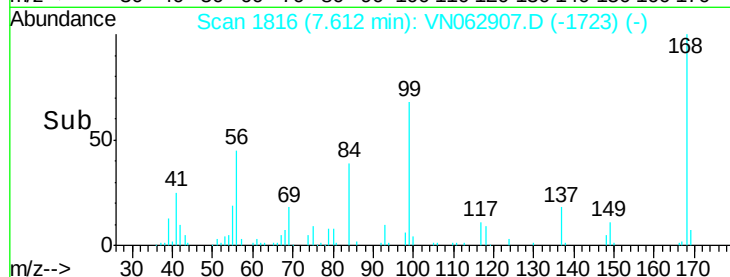
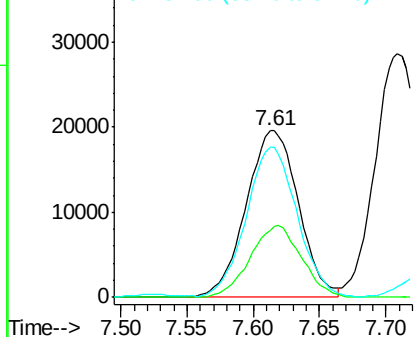
Tot Ion:	56	Resp:	53775
Ion Ratio	Lower	Upper	
56	100		
69	40.5	28.1	42.1
84	88.9	66.8	100.2

Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 18.455 ug/l

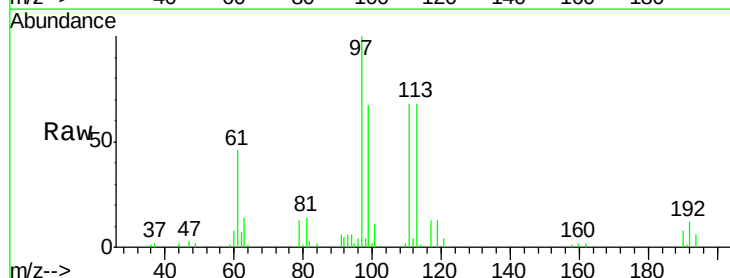
RT: 7.53 min Scan# 1790

Delta R.T. -0.00 min

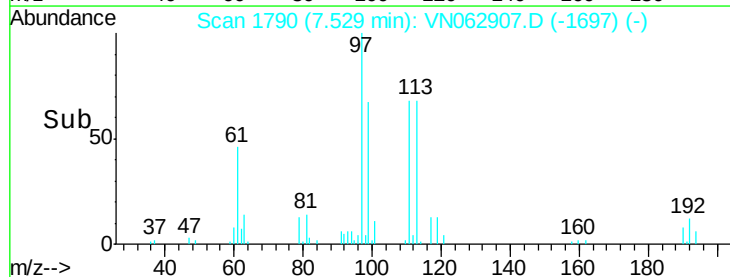
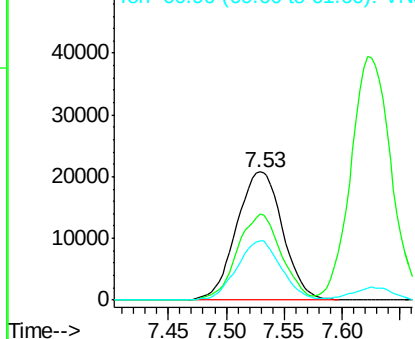
Lab File: VN062907.D

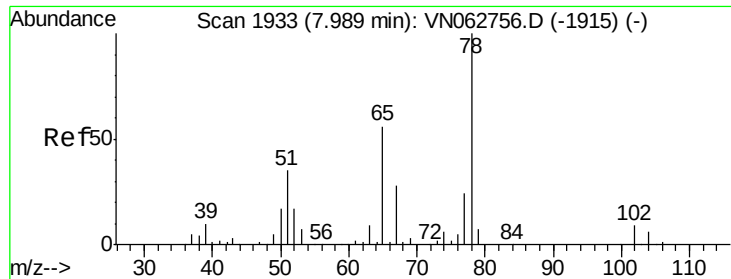
Acq: 13 Aug 2020 13:37

Tgt Ion:	97	Resp:	57597
Ion Ratio	Lower	Upper	
97	100		
99	63.8	50.0	75.0
61	44.2	34.8	52.2



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





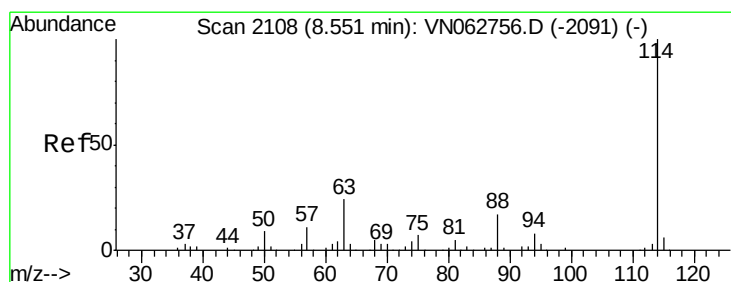
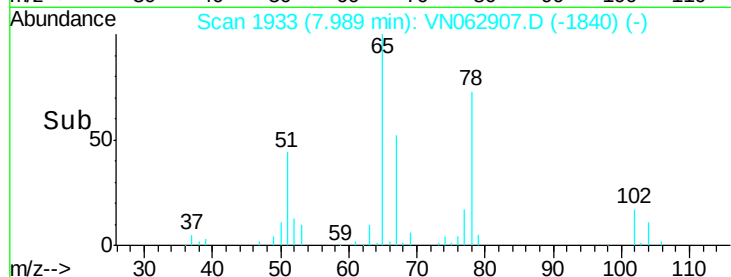
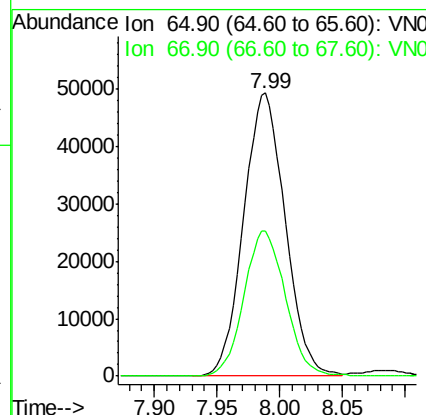
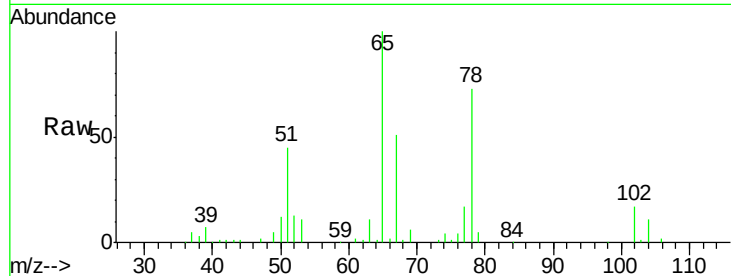
#33
 1,2-Dichloroethane-d4
 Concen: 45.766 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062907.D
 Acq: 13 Aug 2020 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	113812		
67	51.1	0.0	101.4	

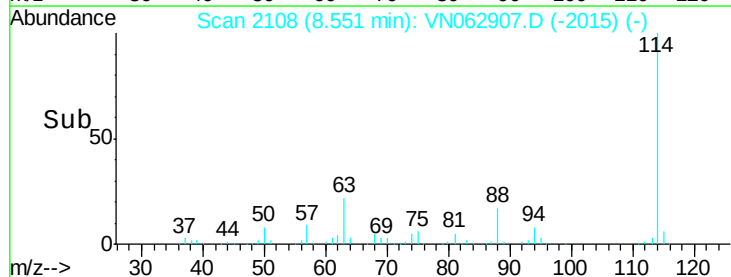
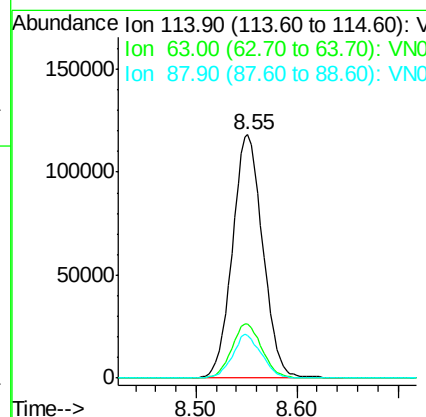
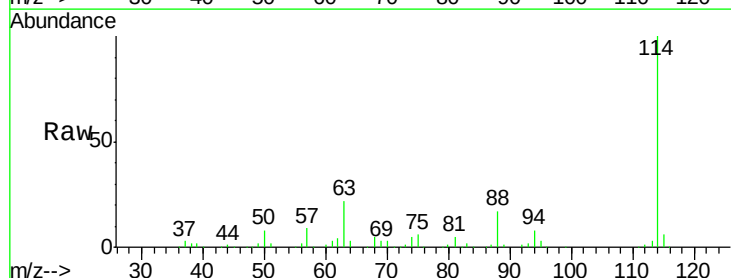
Manual Integrations
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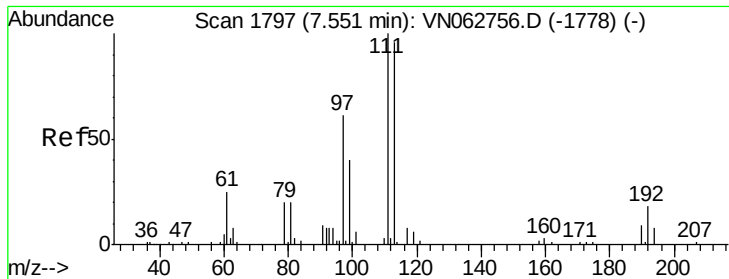
MMDadoda
 8/14/2020 4:50:15 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062907.D
 Acq: 13 Aug 2020 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	248001		
63	22.1	0.0	47.6	
88	17.3	0.0	34.4	





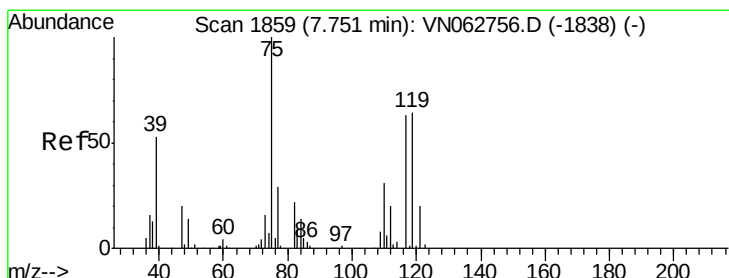
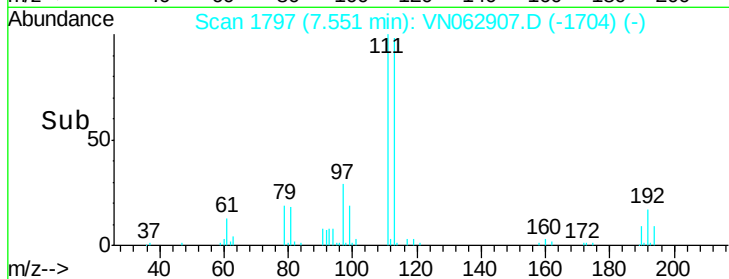
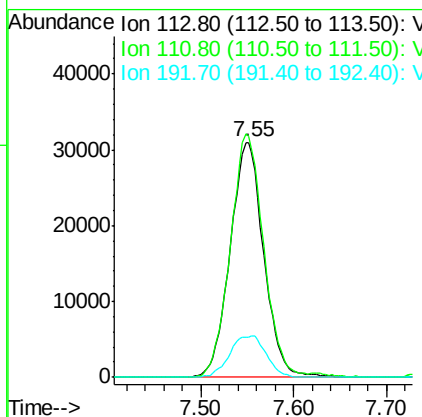
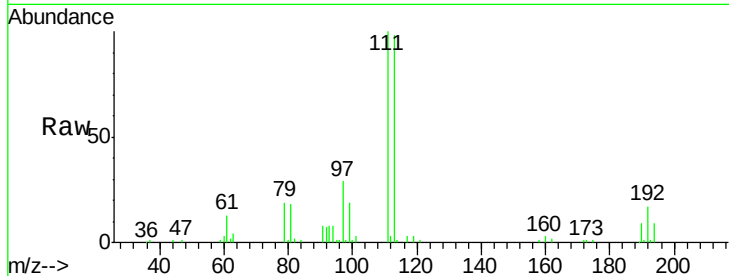
#35
Dibromofluoromethane
Concen: 45.863 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. -0.00 min
Lab File: VN062907.D
Acq: 13 Aug 2020 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	77805		
111	102.7		81.8	122.6
192	19.1		15.0	22.4

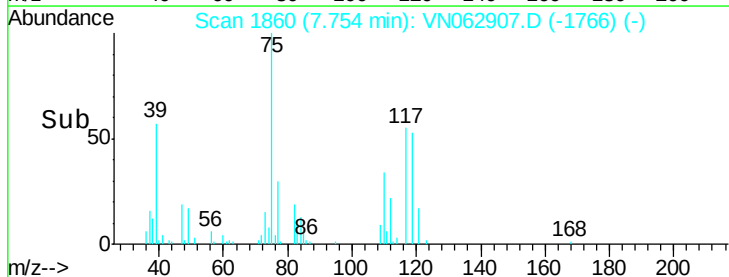
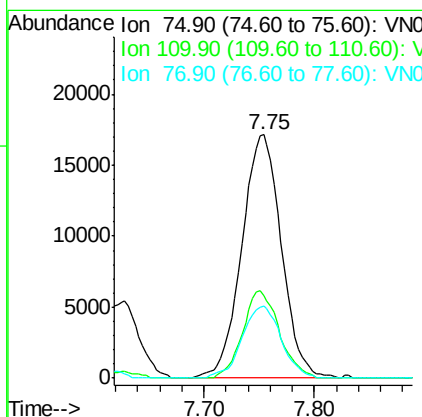
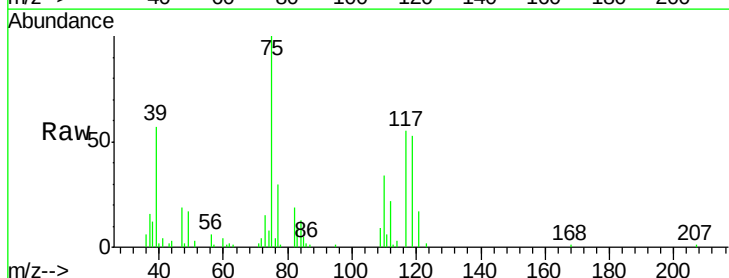
Manual Integrations
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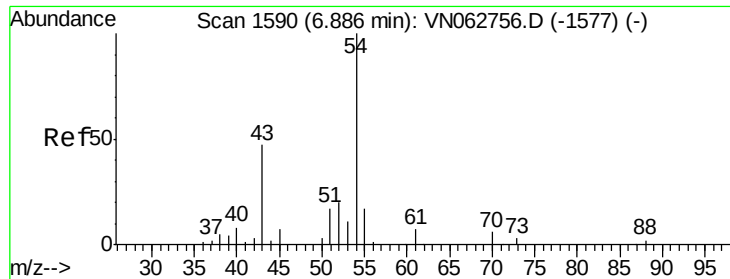
MMDadoda
8/14/2020 4:50:15 PM



#36
1,1-Dichloropropene
Concen: 17.699 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN062907.D
Acq: 13 Aug 2020 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	42740		
110	33.0		15.6	46.7
77	29.2		24.1	36.1





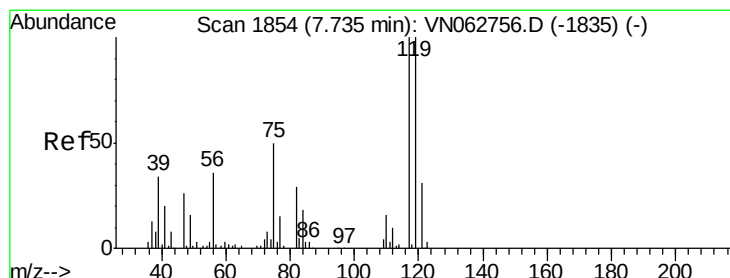
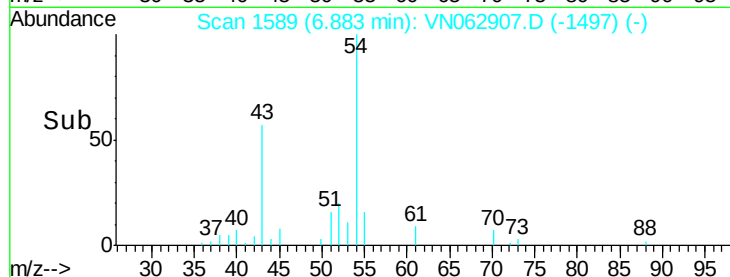
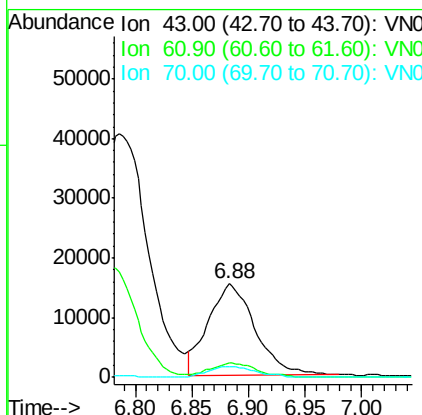
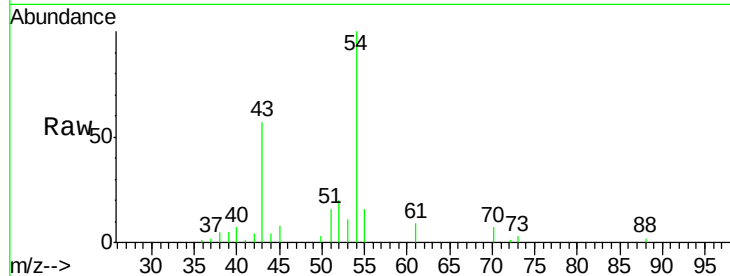
#37
Ethyl Acetate
Concen: 17.731 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN062907.D
Acq: 13 Aug 2020 13:37

Instrument :
MSVOA_N
ClientSampled :
VN0813WBSD01

Tot Ion	43	61	70
Resp	44727	15.6	11.7
Ratio	100	12.1	8.3
Lower		18.1	12.5
Upper			

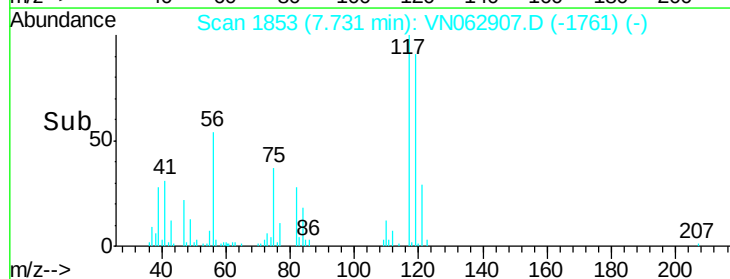
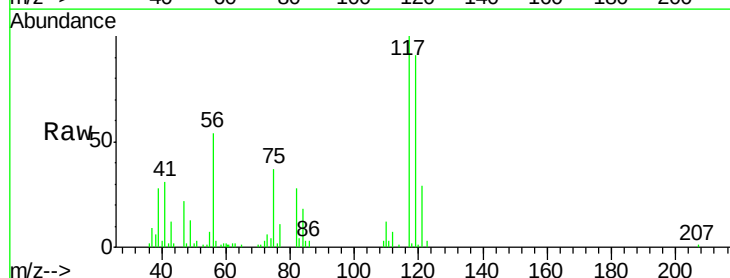
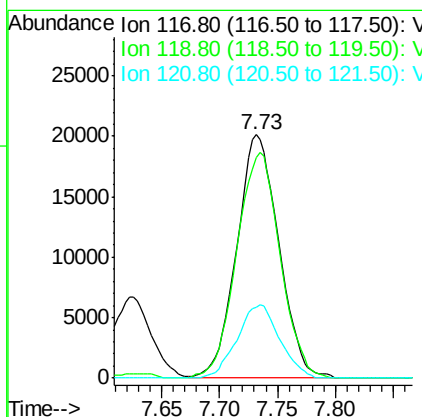
Manual Integrations
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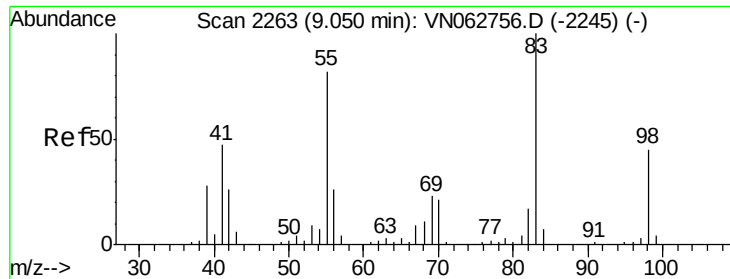
MMDadoda
8/14/2020 4:50:15 PM



#38
Carbon Tetrachloride
Concen: 17.782 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062907.D
Acq: 13 Aug 2020 13:37

Tgt Ion	117	119	121
Resp	50784	90.5	29.2
Ratio	100	79.4	24.9
Lower		119.2	37.3
Upper			





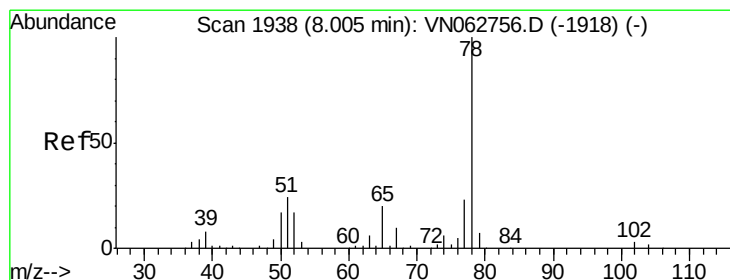
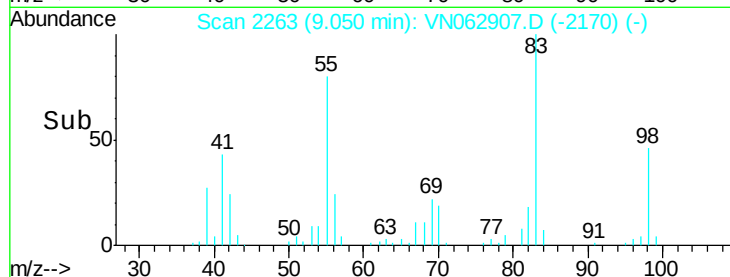
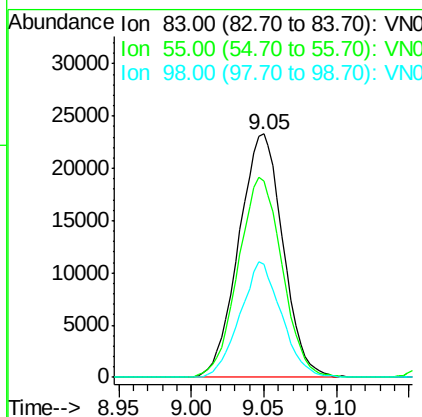
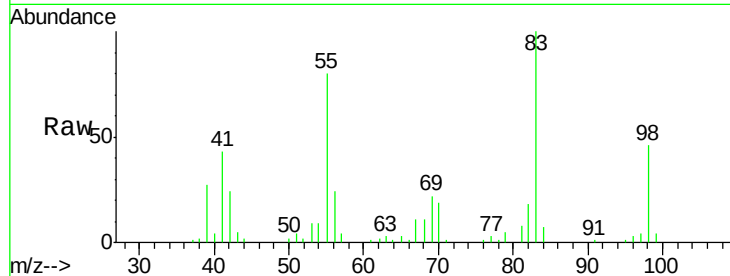
#39
Methylvlcyclohexane
Concen: 16.962 ug/l
RT: 9.05 min Scan# 2263
Delta R.T. -0.00 min
Lab File: VN062907.D
Acq: 13 Aug 2020 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.4	65.7	98.5
98	46.3	35.6	53.4

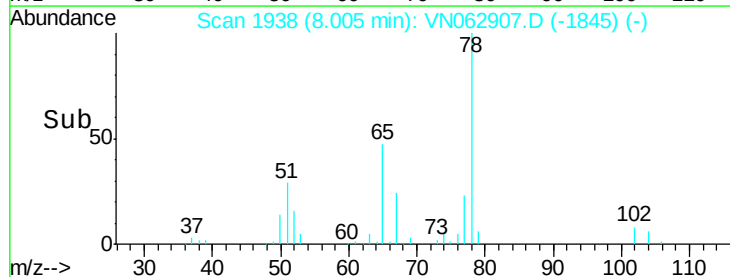
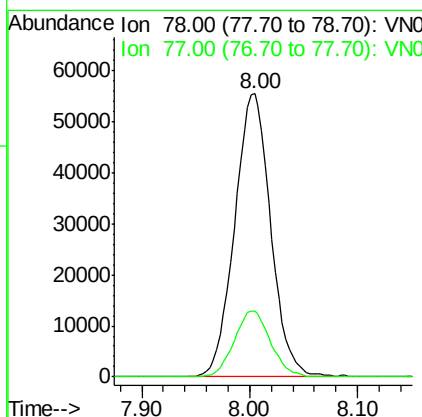
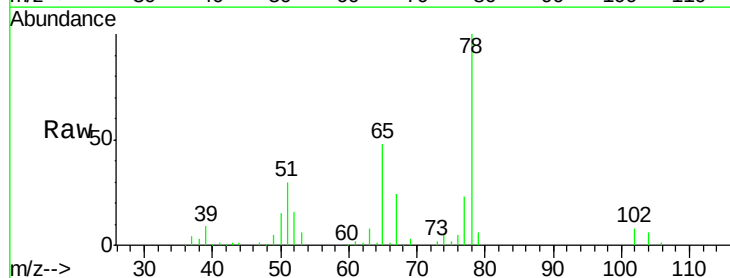
Manual Integrations
APPROVED

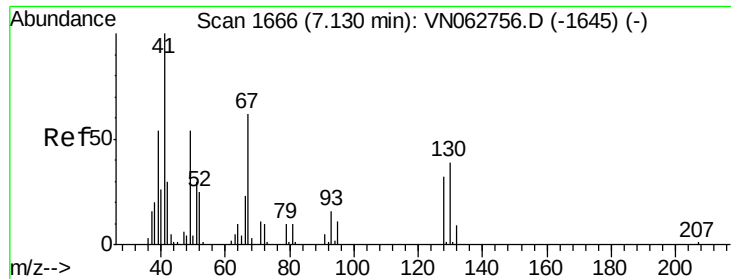
MMDadoda
8/14/2020 4:50:15 PM



#40
Benzene
Concen: 17.920 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. -0.00 min
Lab File: VN062907.D
Acq: 13 Aug 2020 13:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.1	27.1





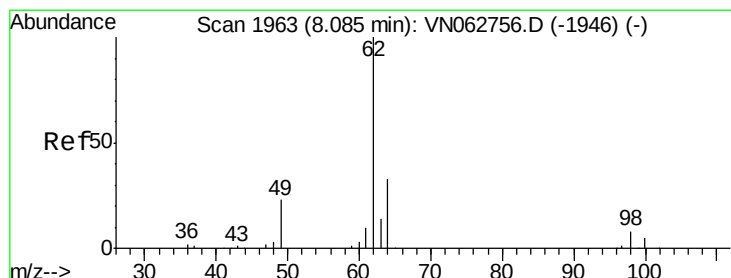
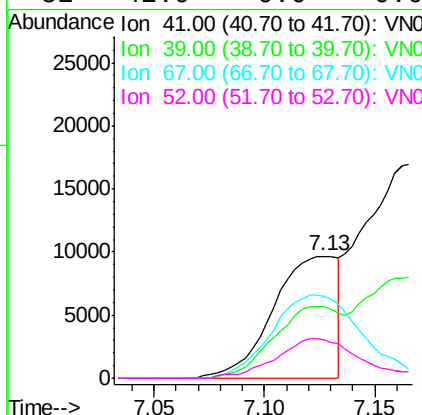
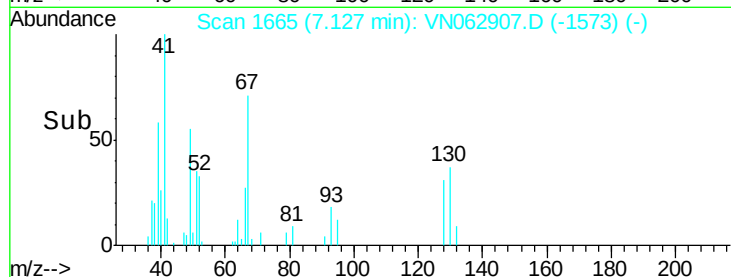
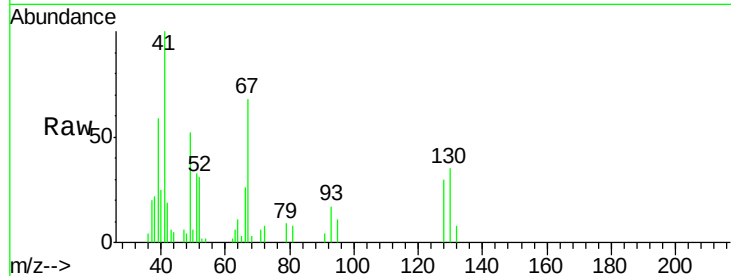
#41
Methacrylonitrile
Concen: 17.191 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VN062907.D
Acq: 13 Aug 2020 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		19568		
39	62.5	69.4	104.2#		
67	96.5	0.0	0.0#		
52	42.9	0.0	0.0#		

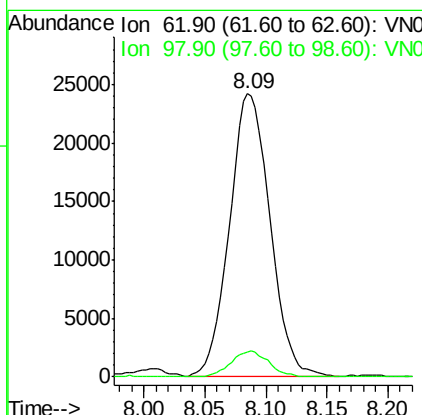
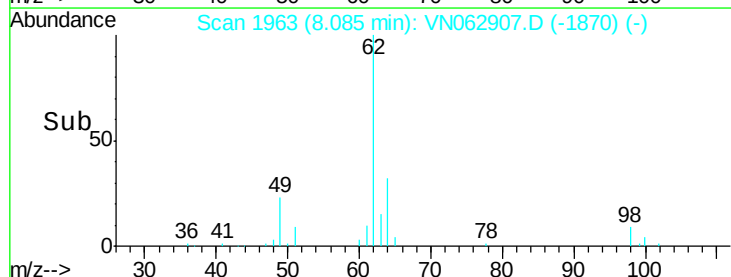
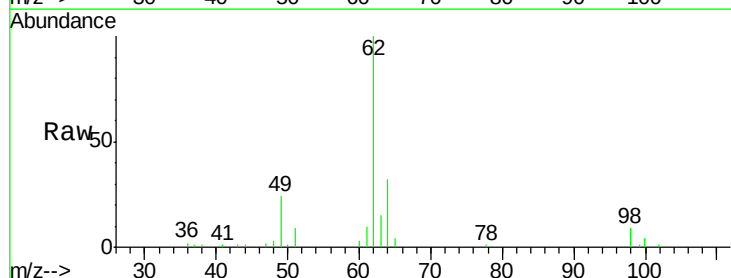
Manual Integrations
APPROVED

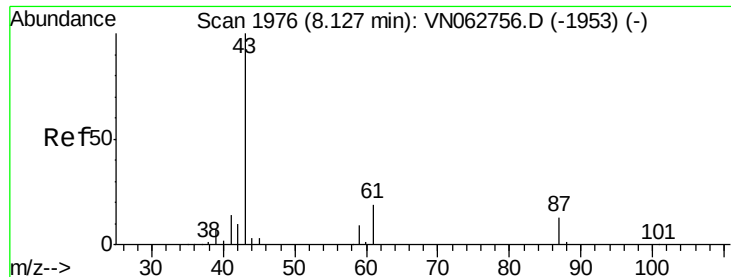
MMDadoda
8/14/2020 4:50:15 PM



#42
1,2-Dichloroethane
Concen: 18.243 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062907.D
Acq: 13 Aug 2020 13:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		55950		
98	8.5	0.0	15.8		





#43

Isopropyl Acetate

Concen: 16.768 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062907.D

Acq: 13 Aug 2020 13:37

Instrument :

MSVOA_N

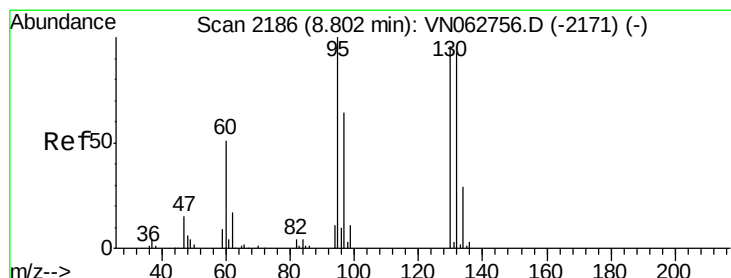
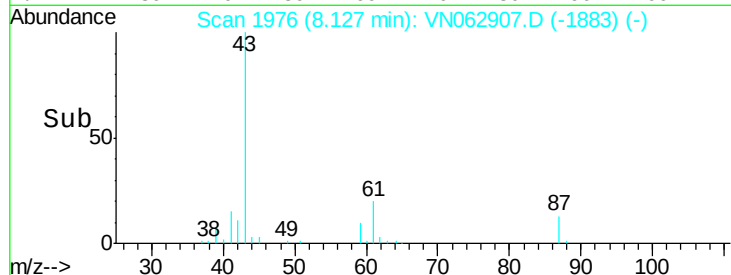
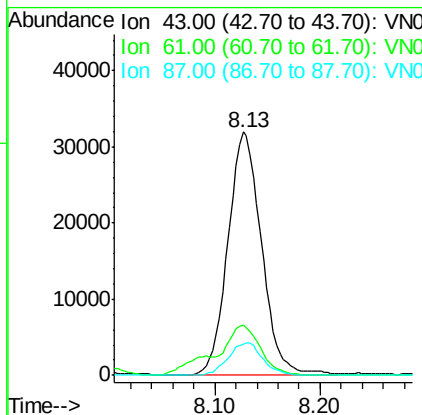
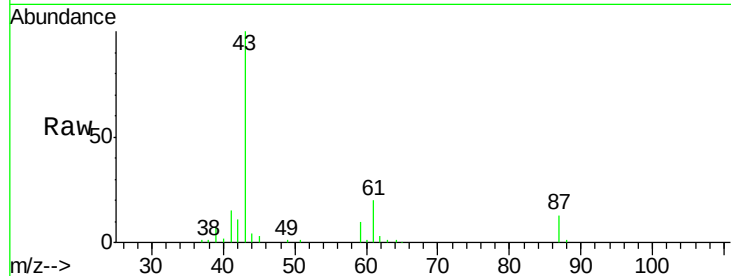
ClientSampleId :

VN0813WBSD01

Tot Ion:	43	Resp:	70550
Ion	Ratio	Lower	Upper
43	100		
61	20.4	15.8	23.6
87	13.5	9.9	14.9

Manual Integrations
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#44

Trichloroethene

Concen: 18.331 ug/l

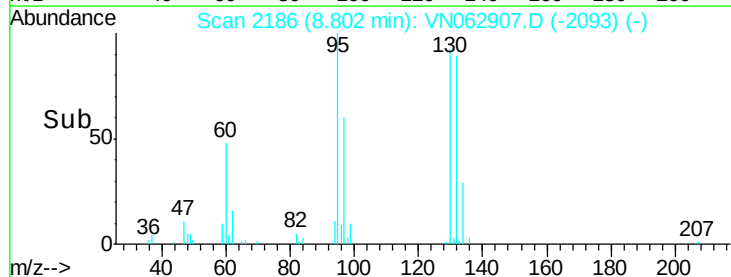
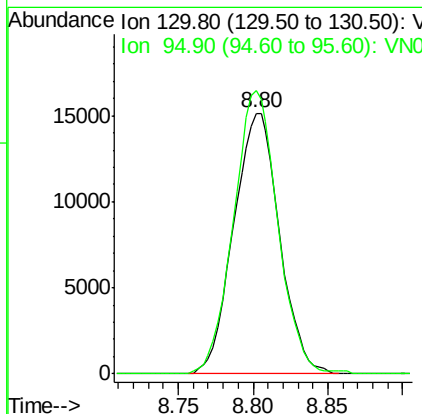
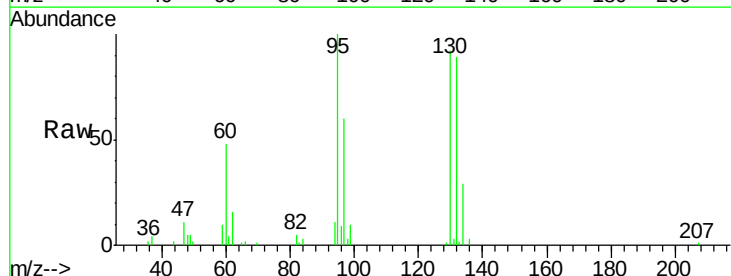
RT: 8.80 min Scan# 2186

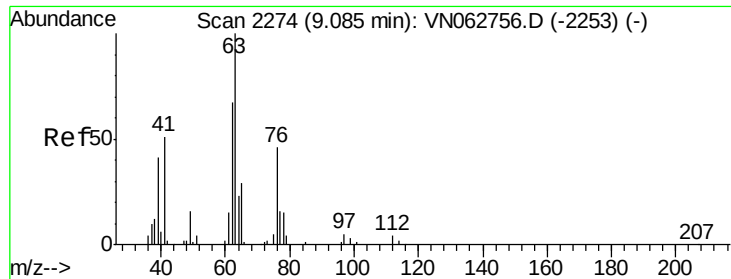
Delta R.T. -0.00 min

Lab File: VN062907.D

Acq: 13 Aug 2020 13:37

Tgt Ion:	130	Resp:	32182
Ion	Ratio	Lower	Upper
130	100		
95	108.5	0.0	207.6





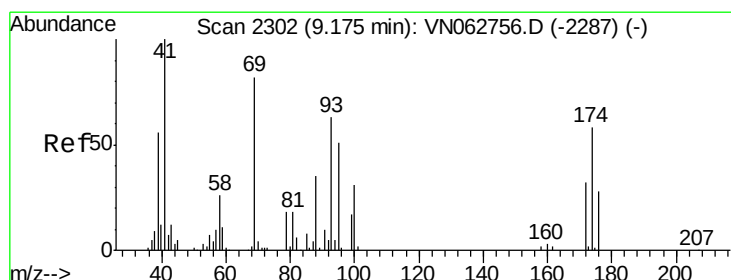
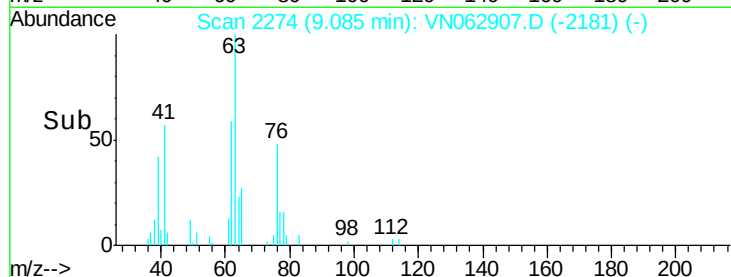
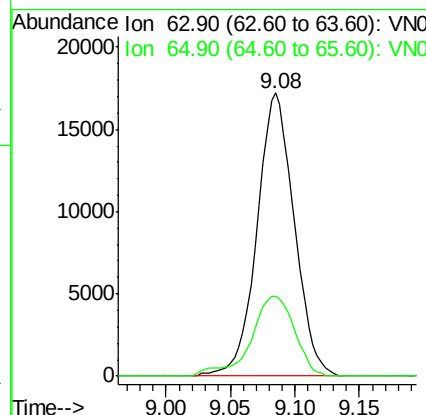
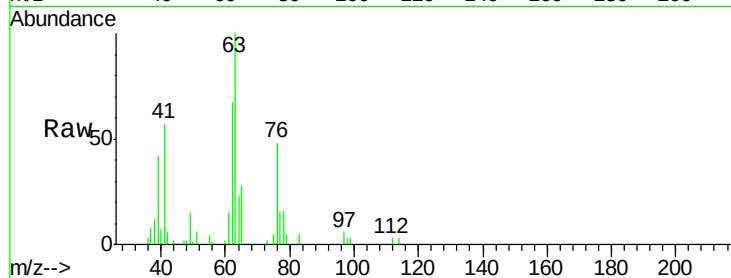
#45
 1,2-Dichloropropane
 Concen: 17.767 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN062907.D
 Acq: 13 Aug 2020 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.2	23.5	35.3

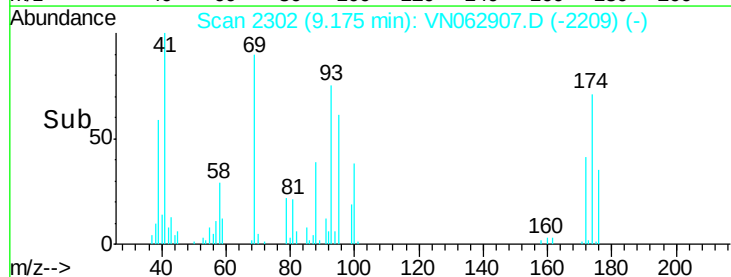
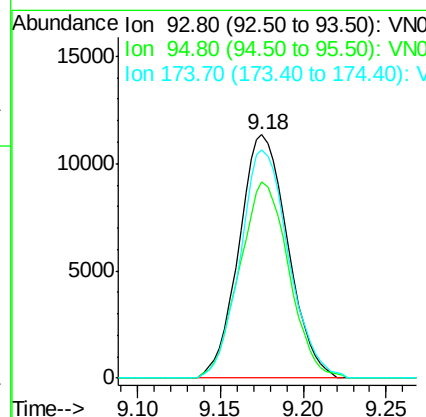
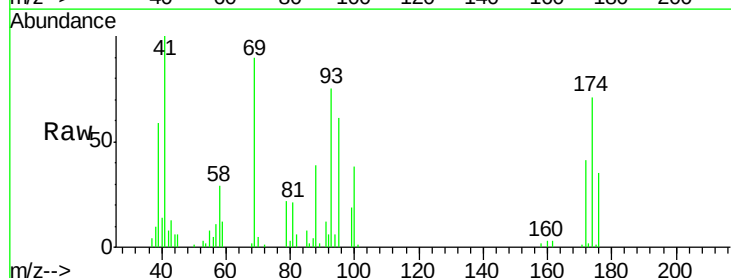
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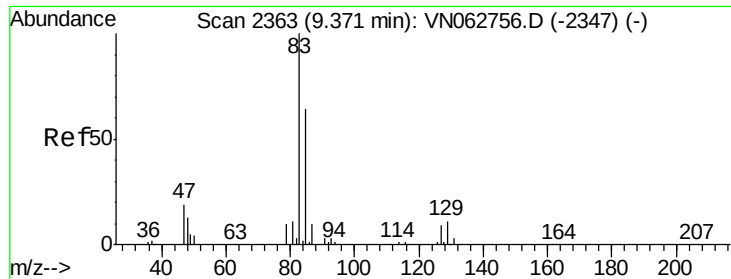
MMDadoda
 8/14/2020 4:50:15 PM



#46
 Dibromomethane
 Concen: 18.209 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN062907.D
 Acq: 13 Aug 2020 13:37

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.3	65.1	97.7
174	93.4	73.9	110.9





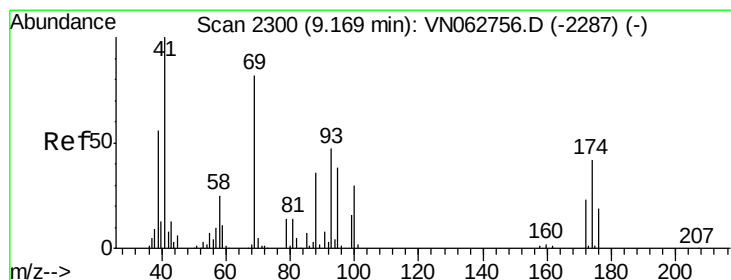
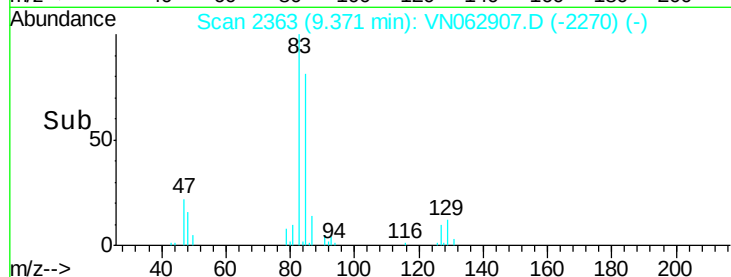
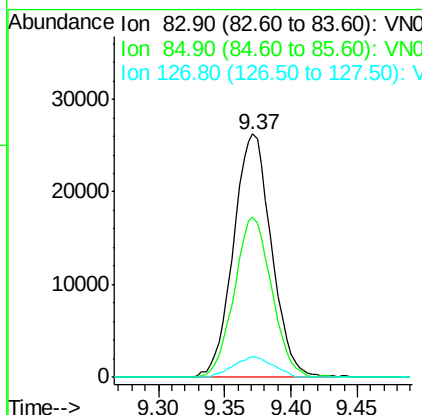
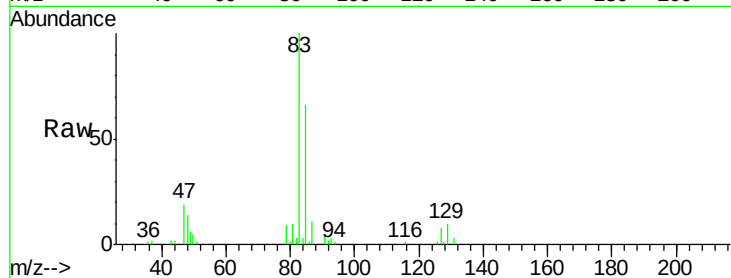
#47
Bromodichloromethane
Concen: 18.228 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. -0.00 min
Lab File: VN062907.D
Acq: 13 Aug 2020 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	52313		
85	65.8		51.4	77.0
127	8.4		6.9	10.3

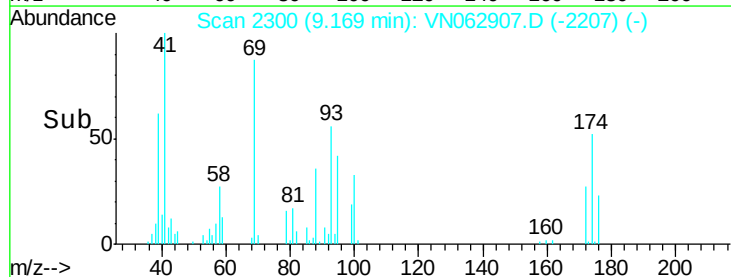
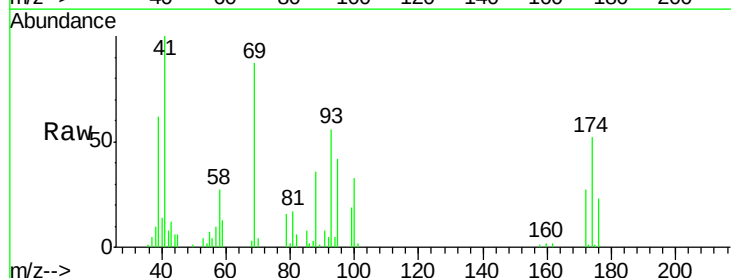
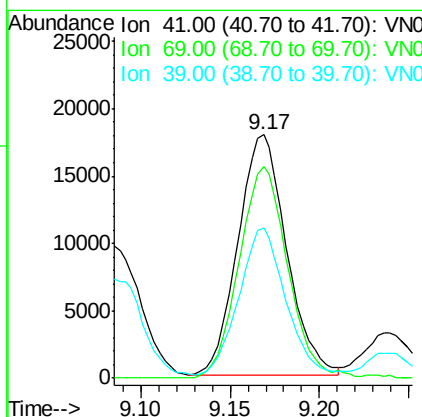
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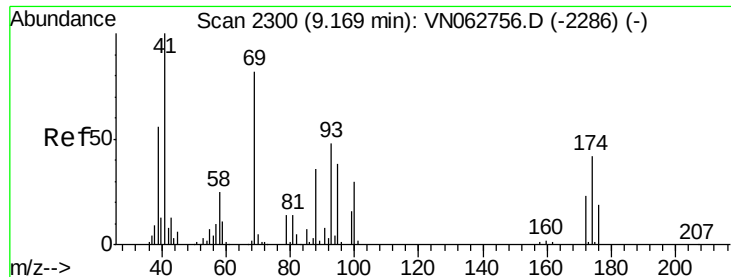
MMDadoda
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#48
Methyl methacrylate
Concen: 16.388 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.00 min
Lab File: VN062907.D
Acq: 13 Aug 2020 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	33915		
69	88.1		67.4	101.2
39	61.5		47.6	71.4





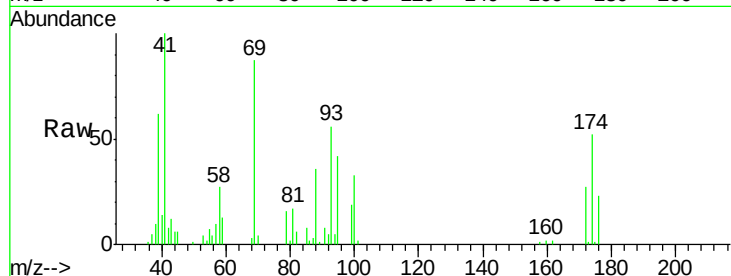
#49
1,4-Dioxane
Concen: 349.026 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.00 min
Lab File: VN062907.D
Acq: 13 Aug 2020 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

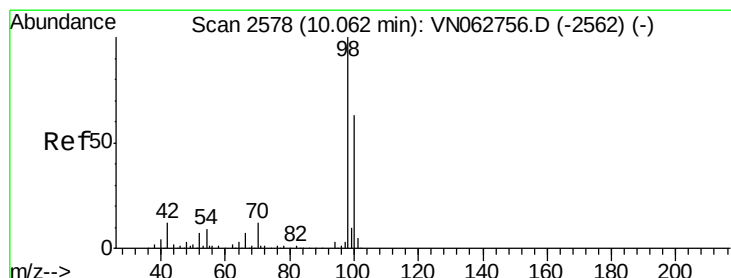
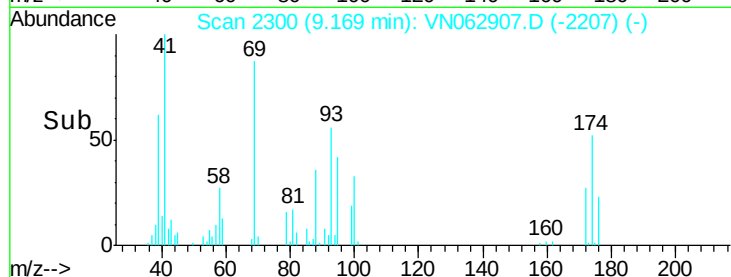
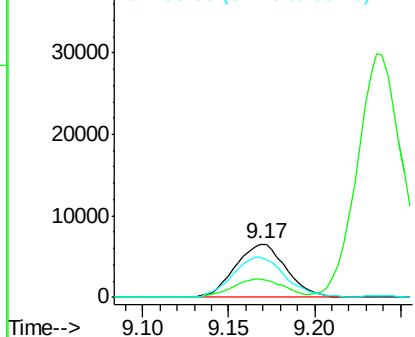
Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	35.5	29.5	44.3	
58	78.4	59.8	89.8	

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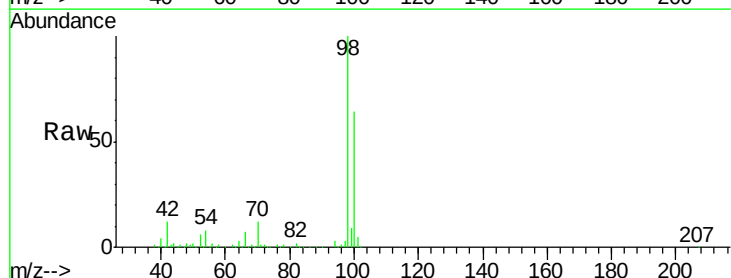


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

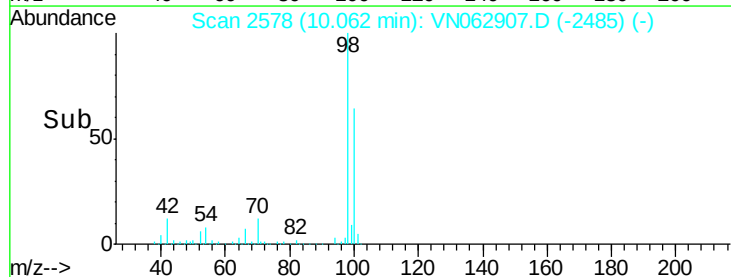
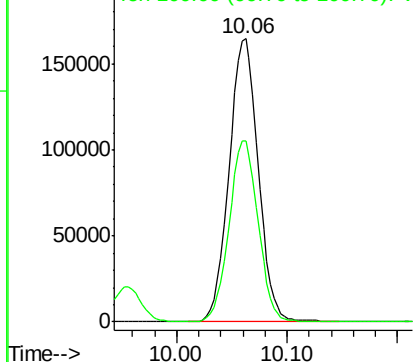


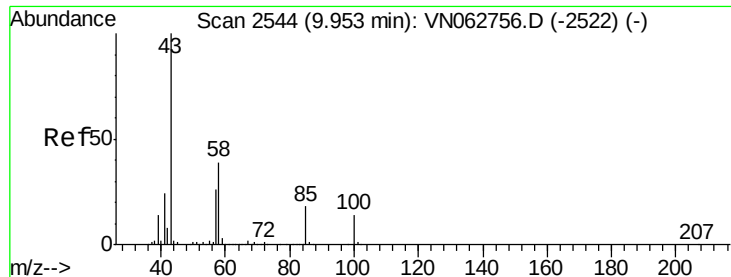
#50
Toluene-d8
Concen: 45.556 ug/l
RT: 10.06 min Scan# 2578
Delta R.T. -0.00 min
Lab File: VN062907.D
Acq: 13 Aug 2020 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	63.4	50.9	76.3	



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





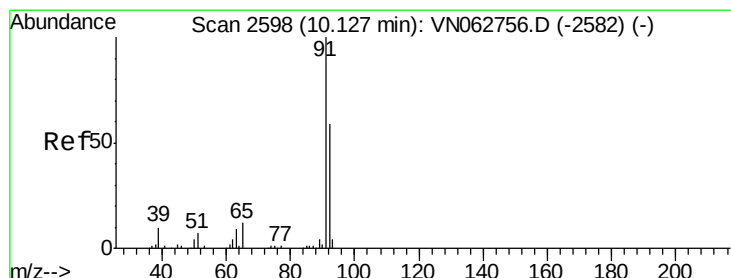
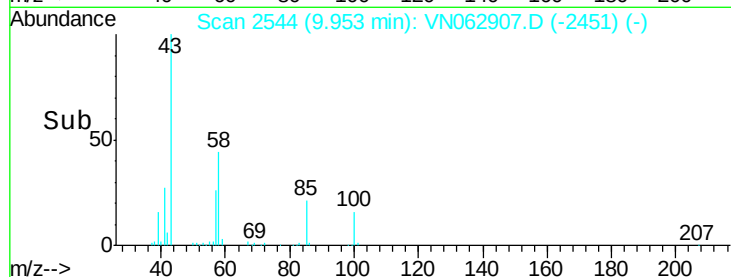
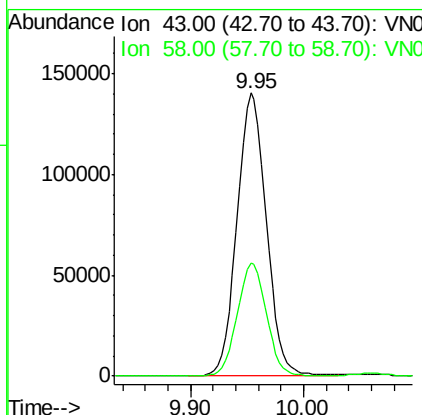
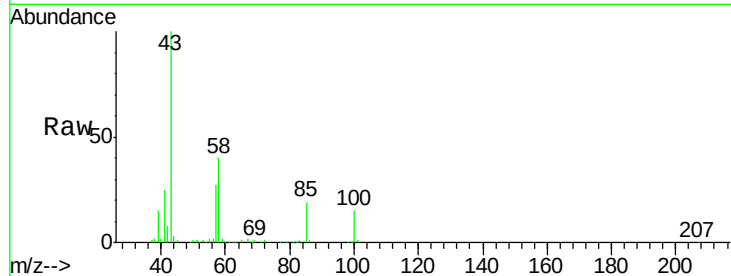
#51
4-Methyl-2-Pentanone
Concen: 93.553 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN062907.D
Acq: 13 Aug 2020 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion	43	Resp	254678
Ion Ratio	43	100	
Lower	58	39.6	31.1
Upper			46.7

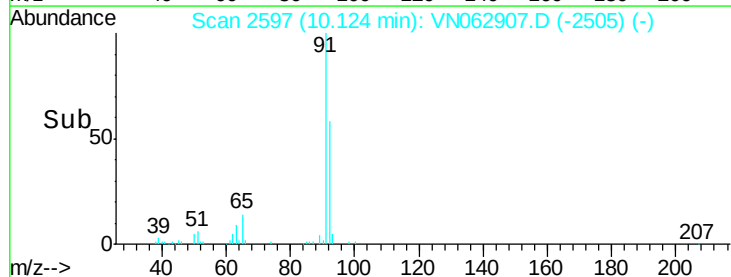
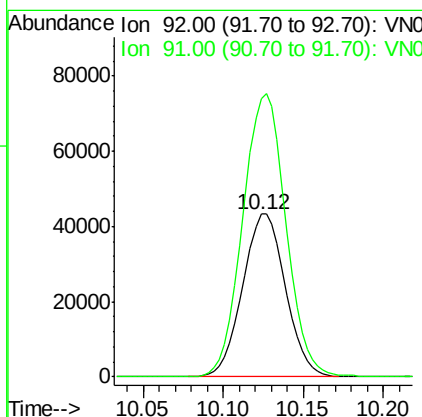
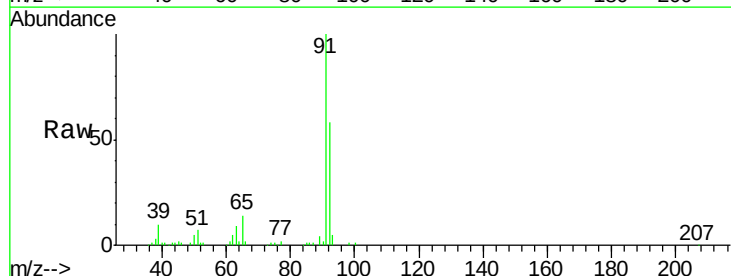
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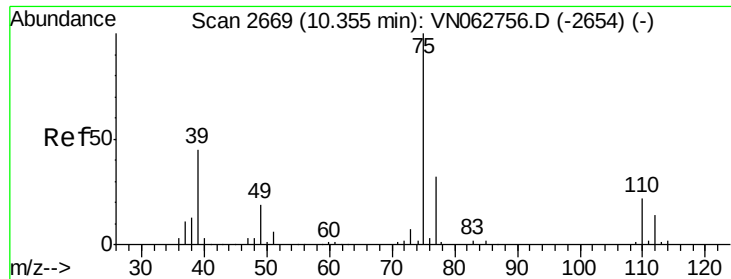
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#52
Toluene
Concen: 17.837 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN062907.D
Acq: 13 Aug 2020 13:37

Tgt Ion	92	Resp	79356
Ion Ratio	92	100	
Lower	91	174.9	138.9
Upper			208.3





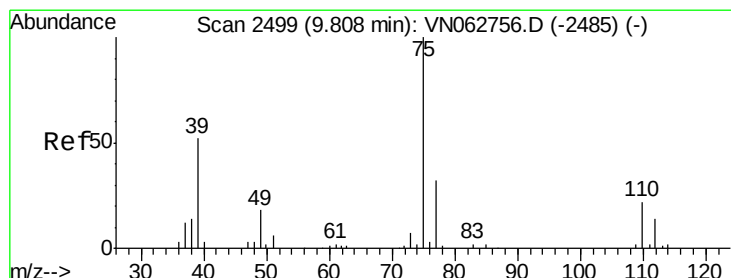
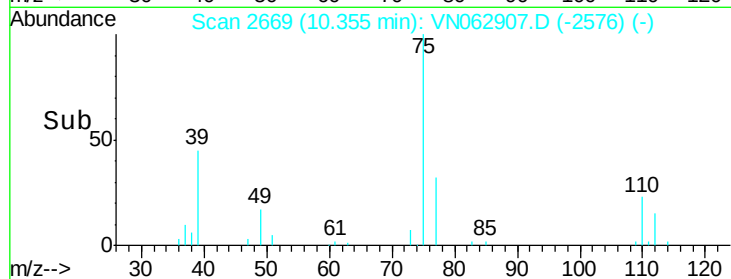
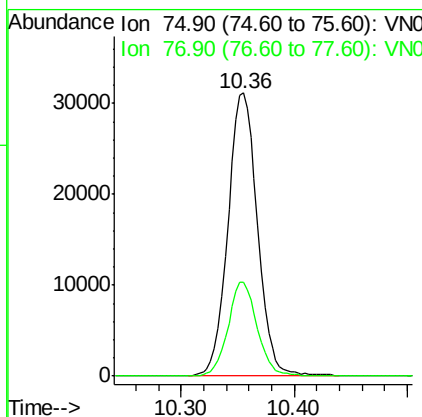
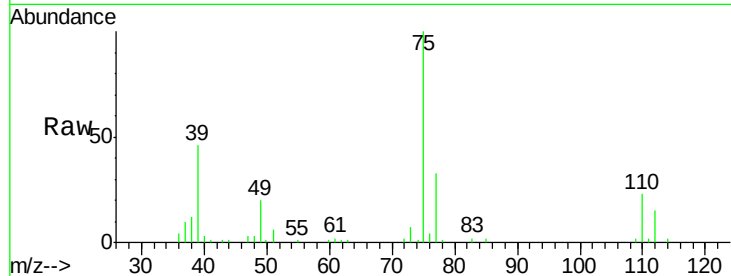
#53
 t-1,3-Dichloropropene
 Concen: 17.960 ug/l
 RT: 10.36 min Scan# 2669
 Delta R.T. -0.00 min
 Lab File: VN062907.D
 Acq: 13 Aug 2020 13:37

Instrument :
 MSVOA_N
 ClientSampled :
 VN0813WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.4	38.2

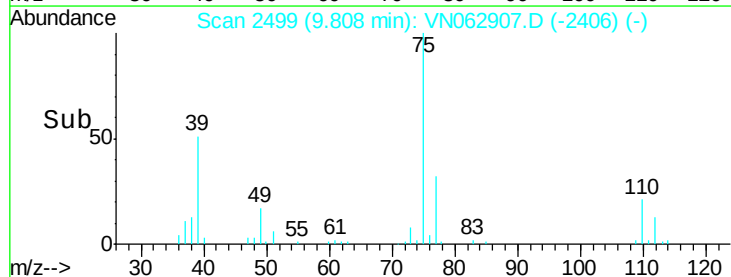
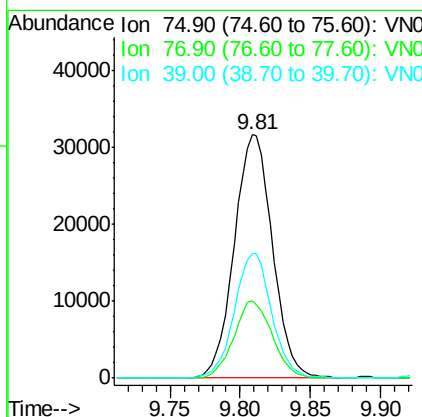
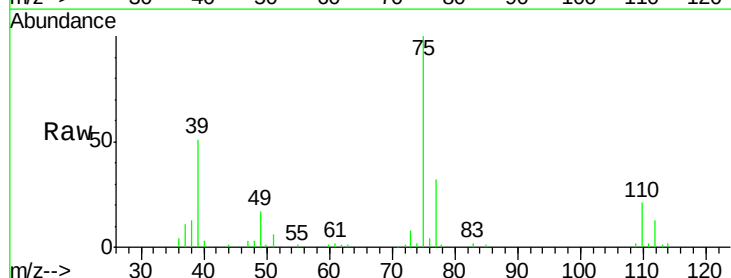
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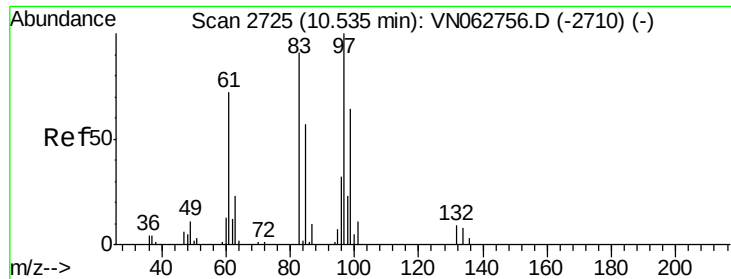
MMDadoda
 8/14/2020 4:50:15 PM



#54
 cis-1,3-Dichloropropene
 Concen: 18.950 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: VN062907.D
 Acq: 13 Aug 2020 13:37

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.5	38.3
39	51.3	41.9	62.9





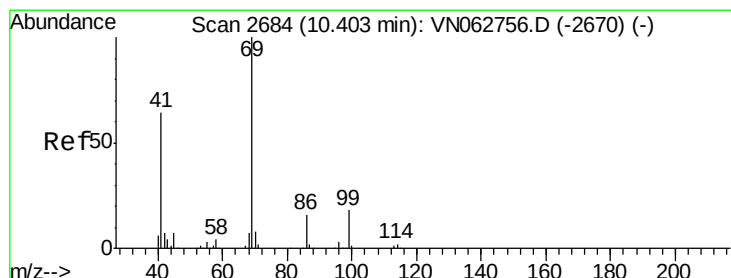
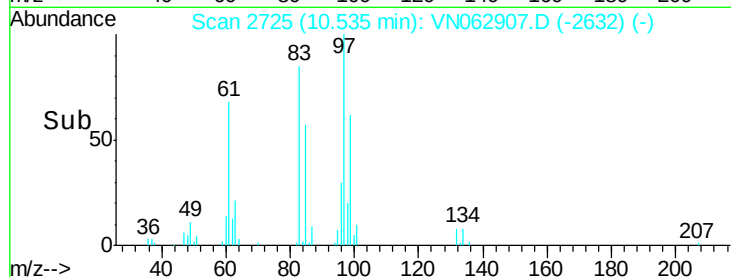
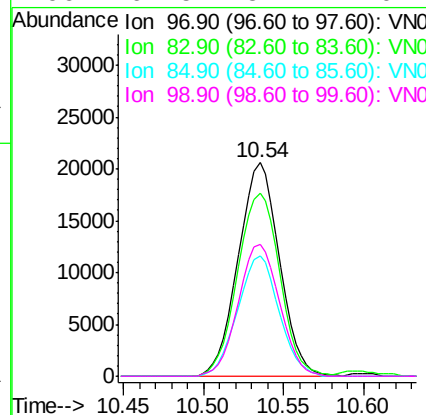
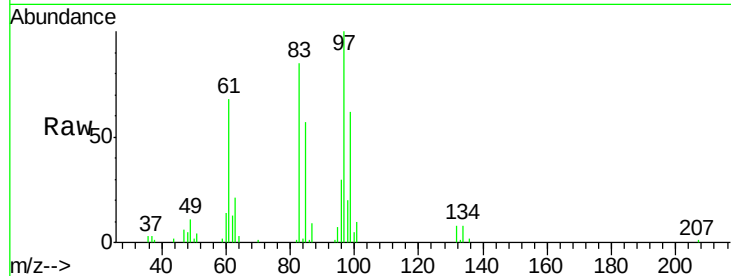
#55
 1,1,2-Trichloroethane
 Concen: 19.014 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. -0.00 min
 Lab File: VN062907.D
 Acq: 13 Aug 2020 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

Tot Ion:	97	Resp:	36129
Ion	Ratio	Lower	Upper
97	100		
83	85.4	72.6	108.8
85	56.6	46.0	69.0
99	61.5	51.1	76.7

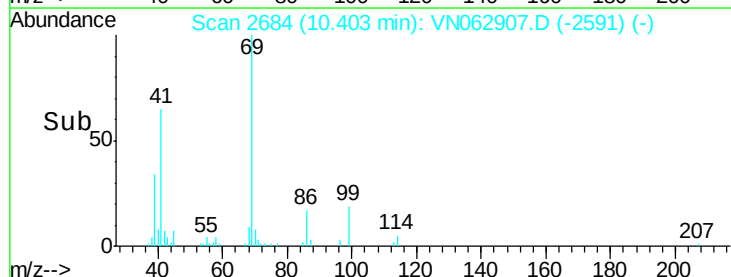
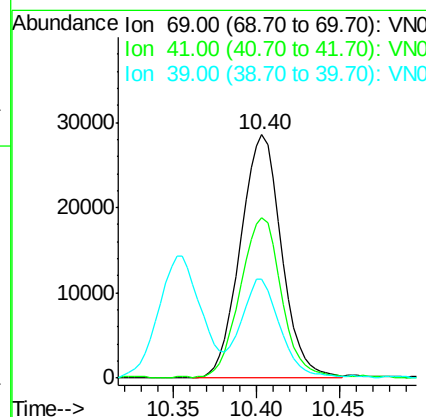
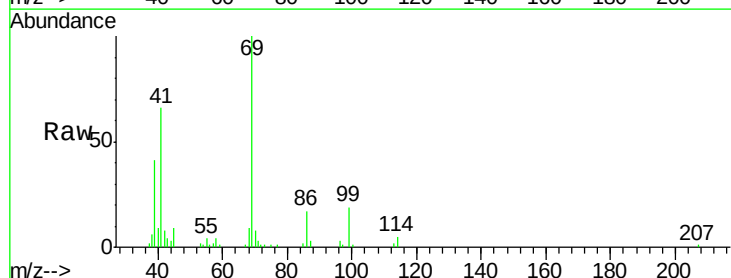
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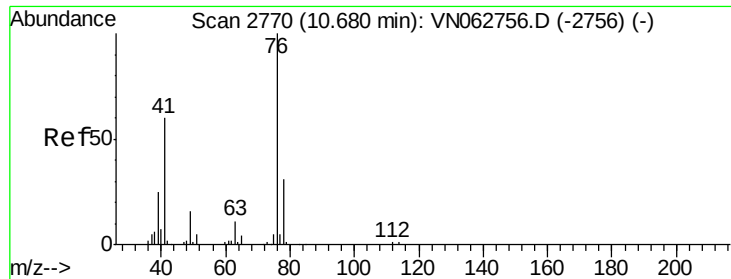
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#56
 Ethyl methacrylate
 Concen: 17.245 ug/l
 RT: 10.40 min Scan# 2684
 Delta R.T. -0.00 min
 Lab File: VN062907.D
 Acq: 13 Aug 2020 13:37

Tgt Ion:	69	Resp:	49322
Ion	Ratio	Lower	Upper
69	100		
41	66.4	52.2	78.2
39	37.3	30.9	46.3





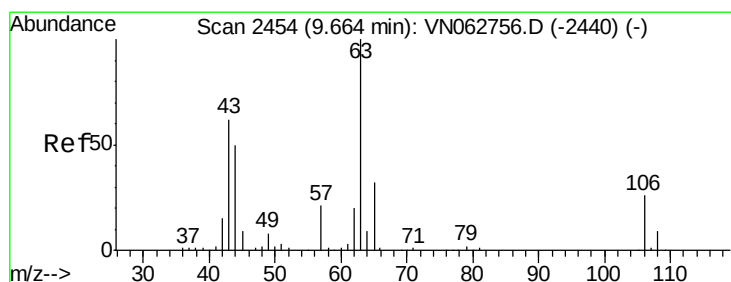
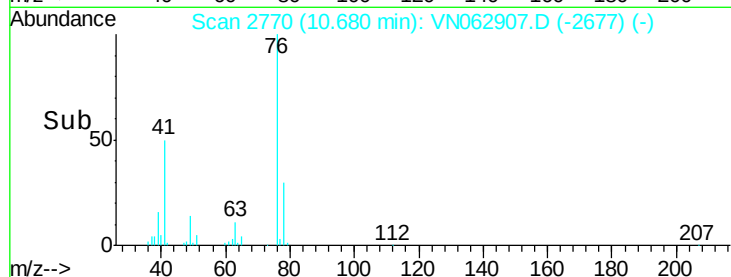
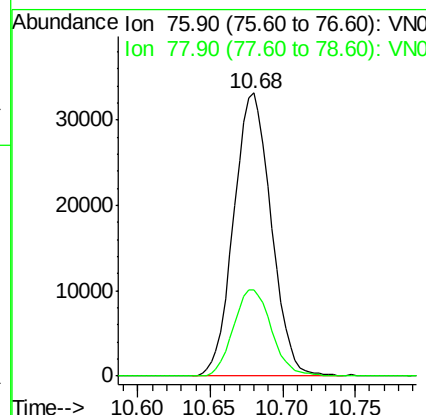
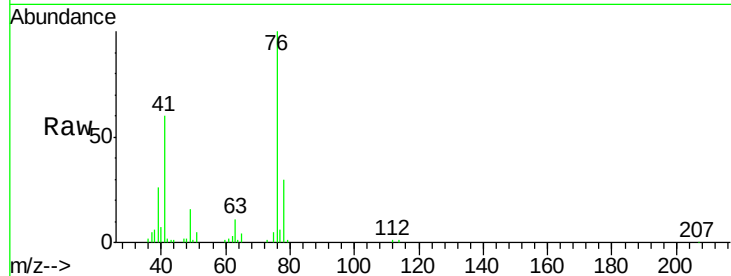
#57
 1,3-Dichloropropane
 Concen: 18.415 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. -0.00 min
 Lab File: VN062907.D
 Acq: 13 Aug 2020 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.0	25.4	38.0

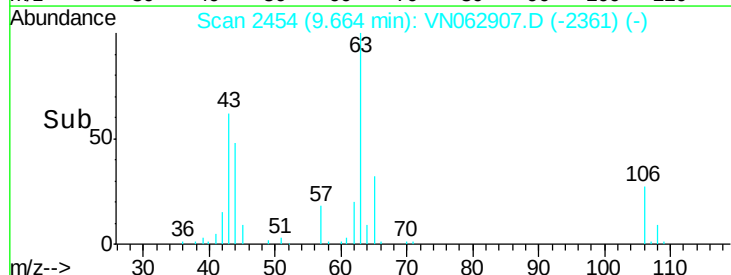
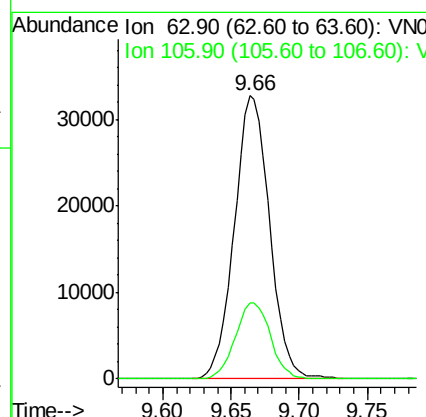
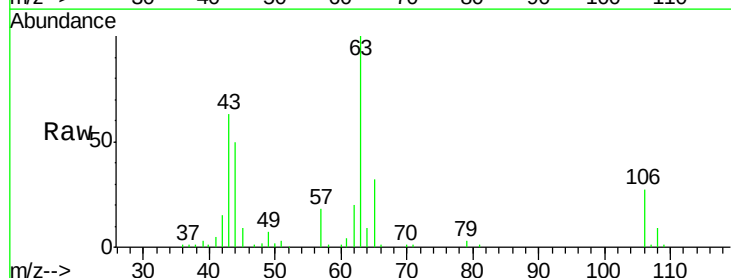
Manual Integrations
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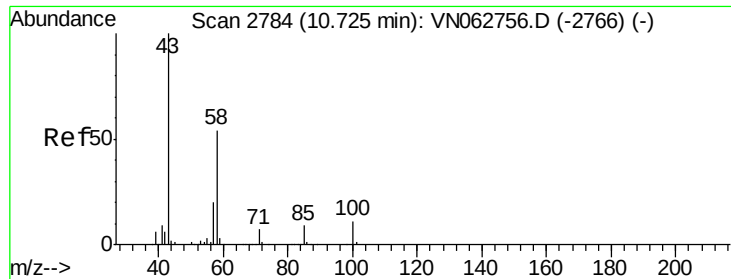
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#58
 2-Chloroethyl Vinyl ether
 Concen: 72.623 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN062907.D
 Acq: 13 Aug 2020 13:37

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.7	20.9	31.3





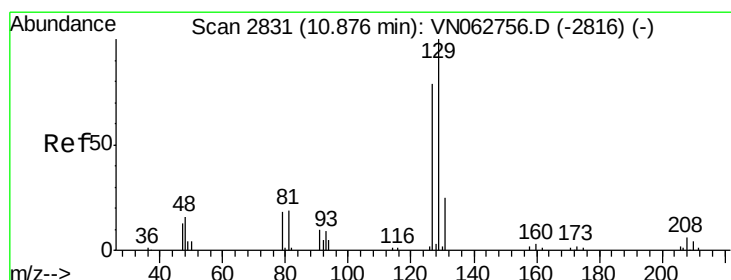
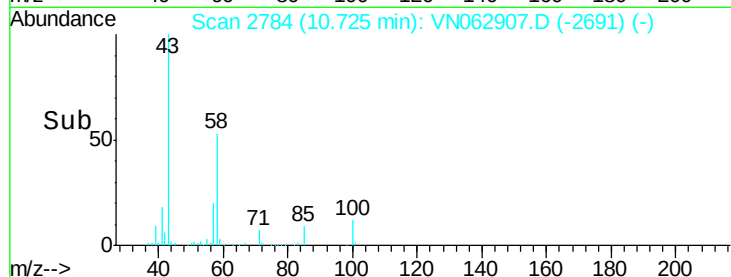
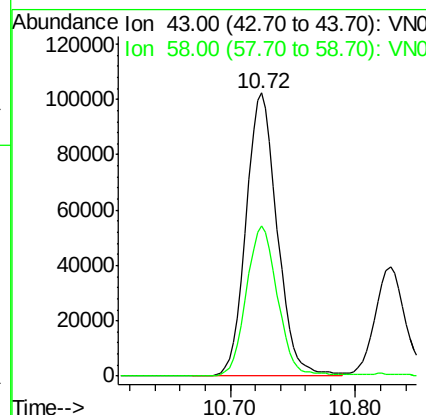
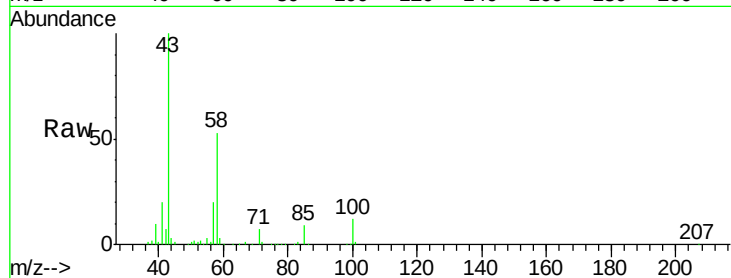
#59
2-Hexanone
Concen: 87.337 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. -0.00 min
Lab File: VN062907.D
Acq: 13 Aug 2020 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion: 43 Resp: 177353
Ion Ratio Lower Upper
43 100
58 53.2 26.7 80.1

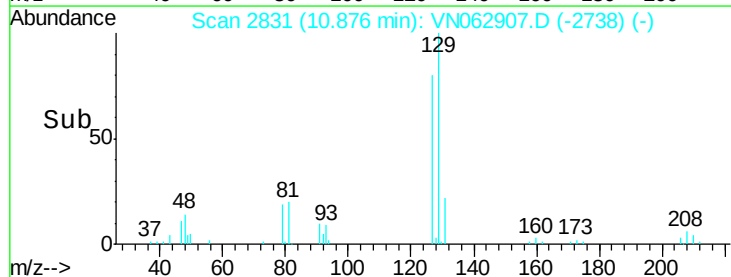
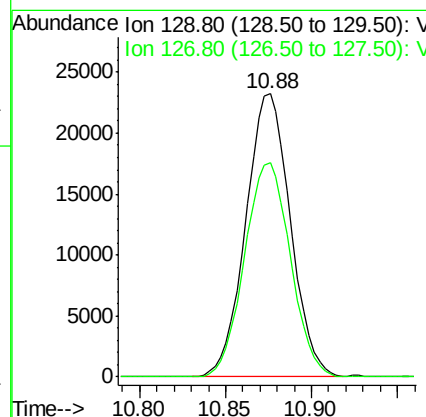
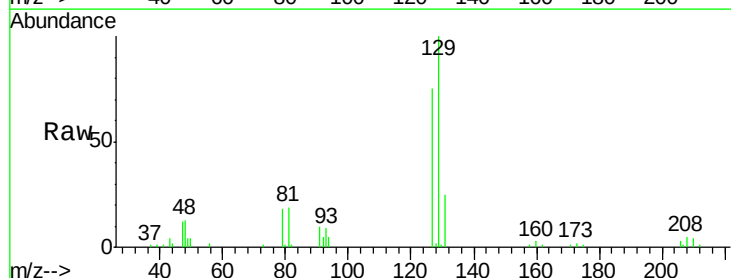
Manual Integrations
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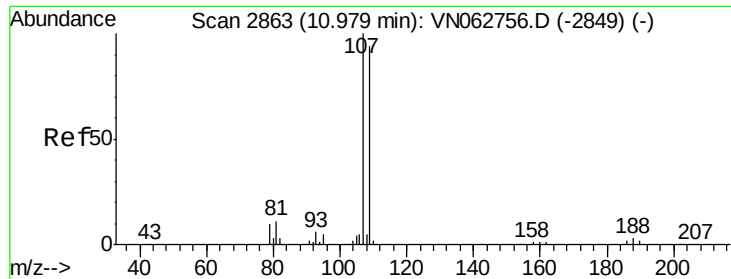
MMDadoda
8/14/2020 4:50:15 PM



#60
Dibromochloromethane
Concen: 19.259 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. -0.00 min
Lab File: VN062907.D
Acq: 13 Aug 2020 13:37

Tgt Ion: 129 Resp: 41761
Ion Ratio Lower Upper
129 100
127 77.6 39.1 117.2





#61

1,2-Dibromoethane

Concen: 18.876 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VN062907.D

Acq: 13 Aug 2020 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBSD01

Tot Ion: 107 Resp: 35392

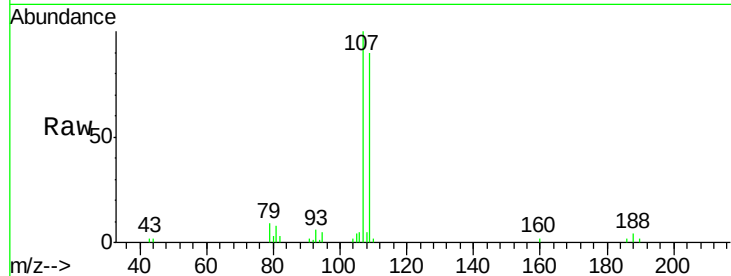
Ion Ratio Lower Upper

107 100

109 92.4 76.1 114.1

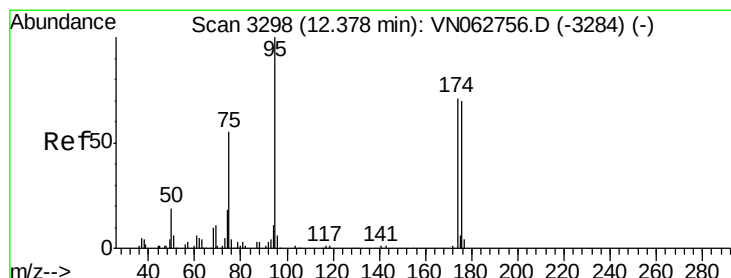
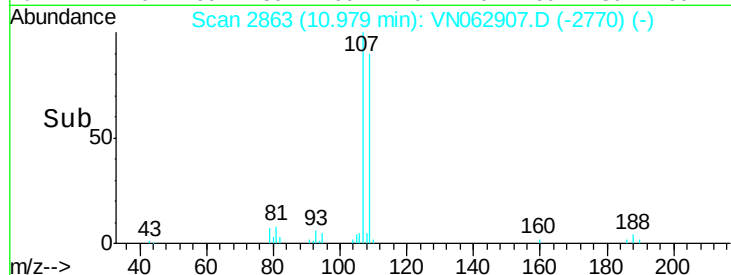
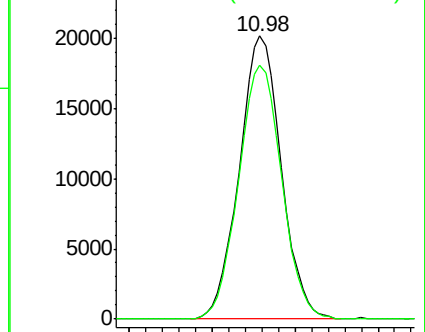
Manual Integrations
APPROVED

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8/14/2020 4:50:15 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.842 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062907.D

Acq: 13 Aug 2020 13:37

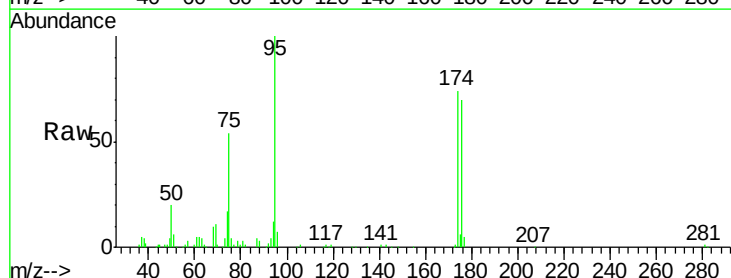
Tgt Ion: 95 Resp: 112234

Ion Ratio Lower Upper

95 100

174 72.7 0.0 144.8

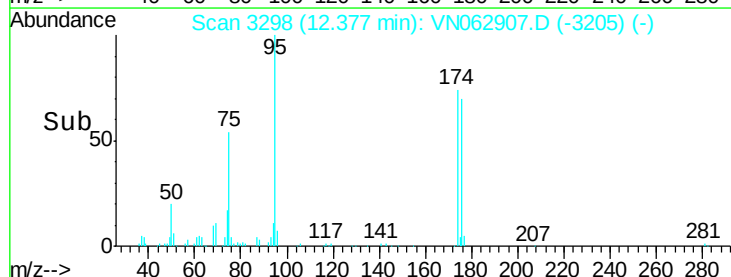
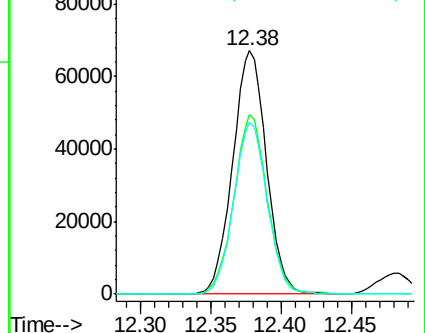
176 69.9 0.0 142.2

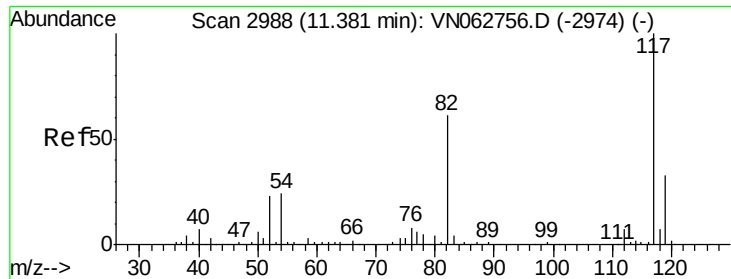


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





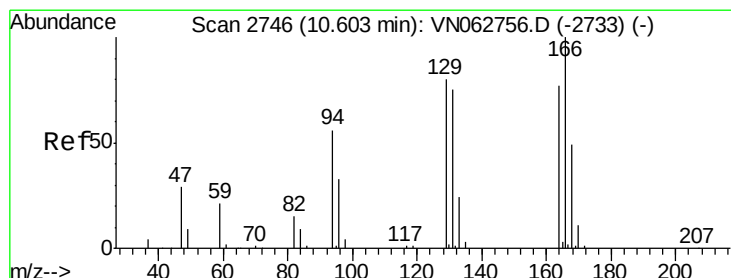
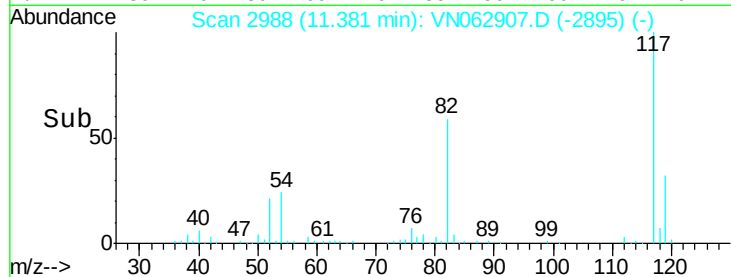
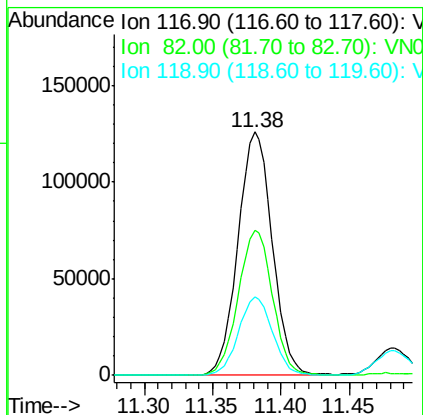
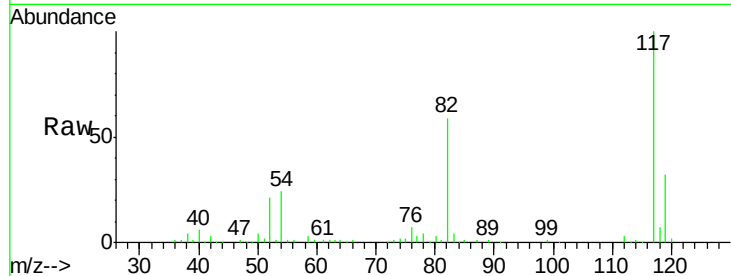
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062907.D
Acq: 13 Aug 2020 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.3	49.0	73.4
119	32.0	26.2	39.2

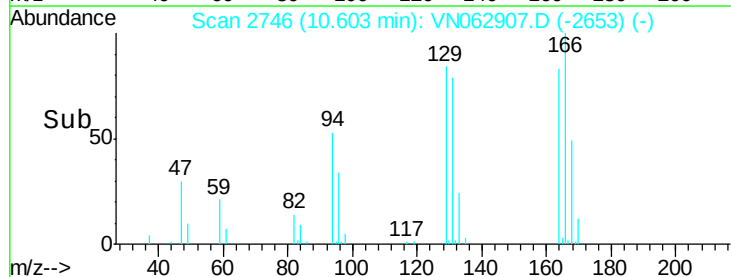
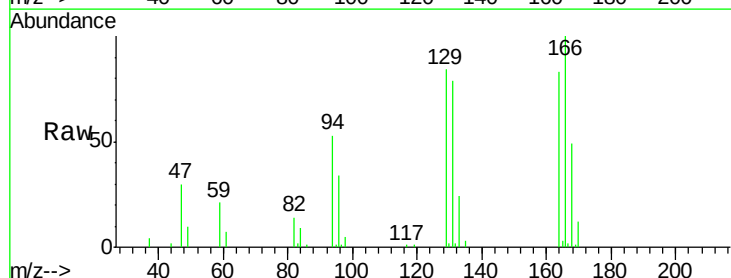
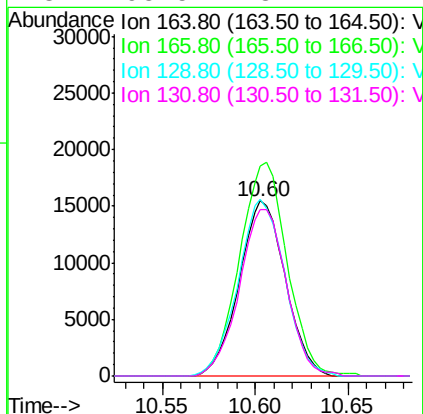
Manual Integrations
APPROVED

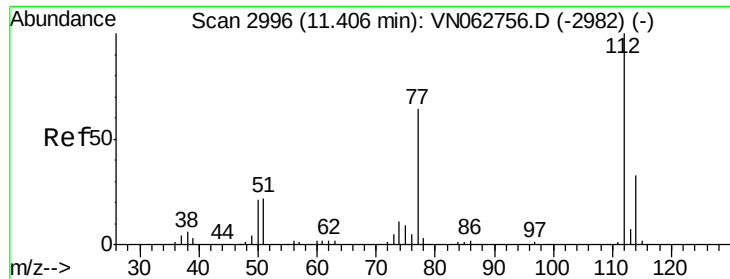
MMDadoda
8/14/2020 4:50:15 PM



#64
Tetrachloroethene
Concen: 18.900 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062907.D
Acq: 13 Aug 2020 13:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.3	103.8	155.8
129	101.2	82.7	124.1
131	95.5	78.2	117.2





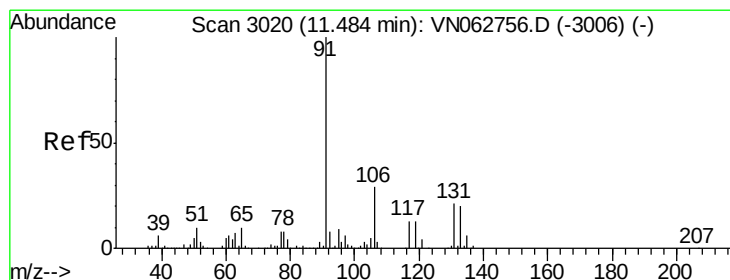
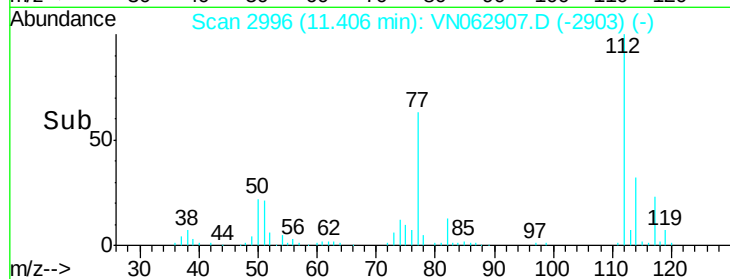
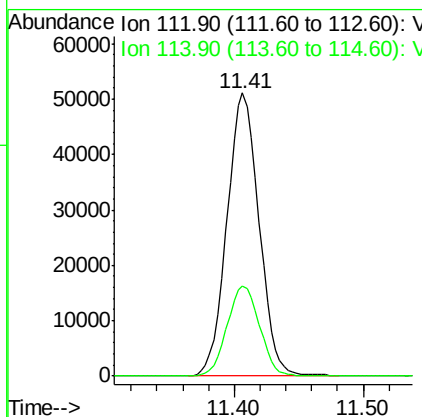
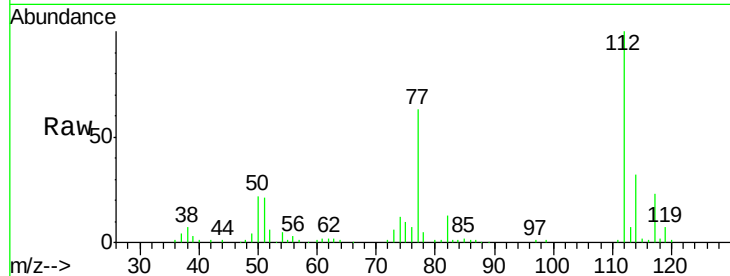
#65
Chlorobenzene
Concen: 19.150 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062907.D
Acq: 13 Aug 2020 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion:112 Resp: 88146
Ion Ratio Lower Upper
112 100
114 32.0 26.2 39.4

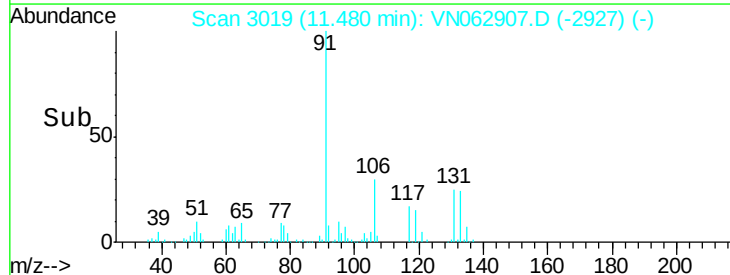
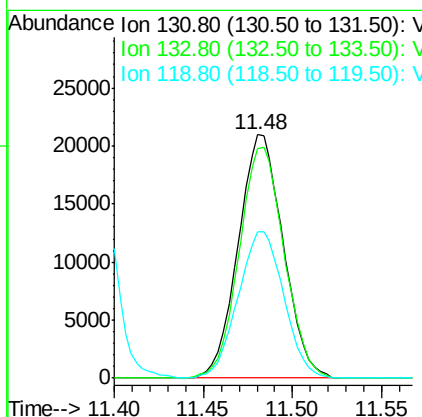
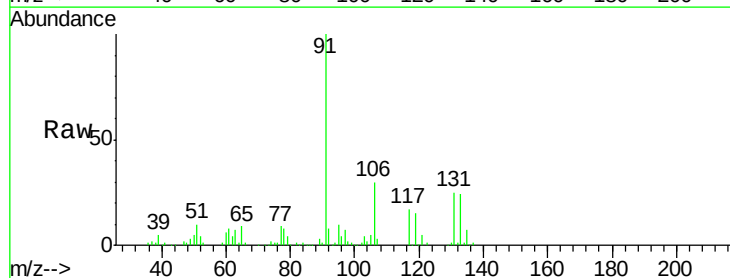
Manual Integrations
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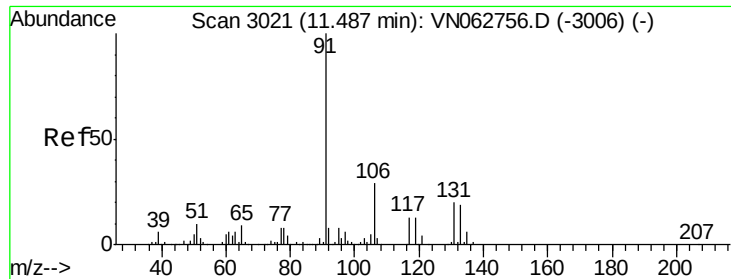
MMDadoda
8/14/2020 4:50:15 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.971 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062907.D
Acq: 13 Aug 2020 13:37

Tgt Ion:131 Resp: 36914
Ion Ratio Lower Upper
131 100
133 94.8 48.6 145.8
119 61.3 32.2 96.6





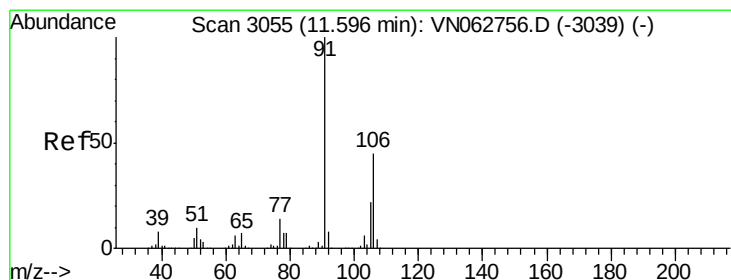
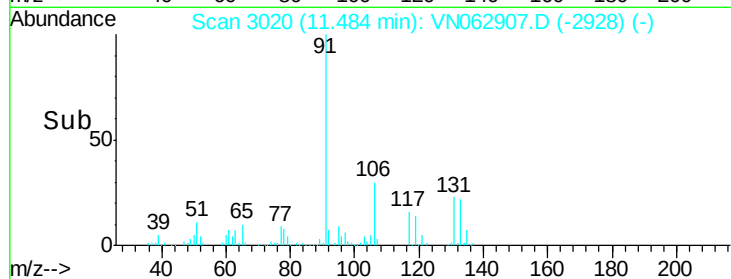
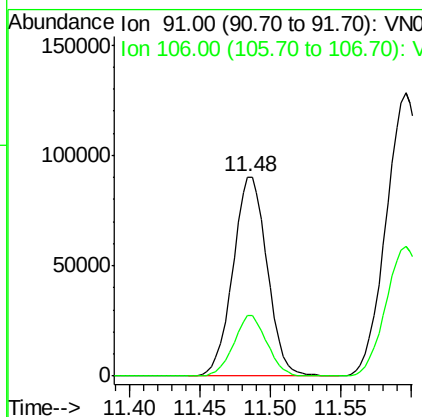
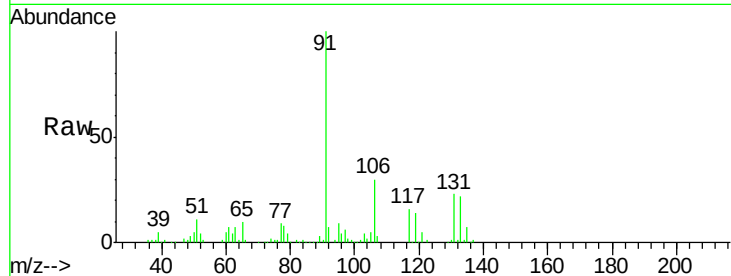
#67
Ethyl Benzene
Concen: 18.689 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062907.D
Acq: 13 Aug 2020 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion	91	Resp	153934
Ion Ratio	100	Lower	Upper
106	30.3	23.2	34.8

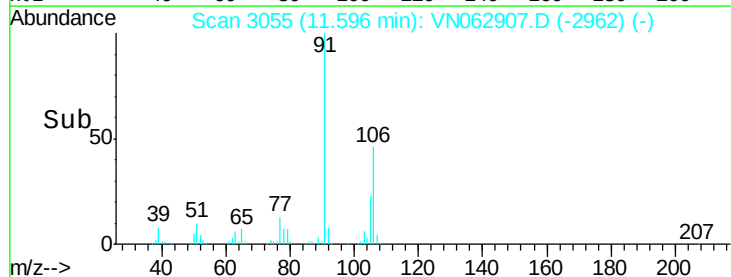
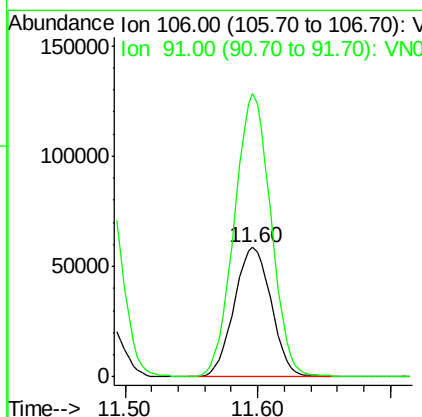
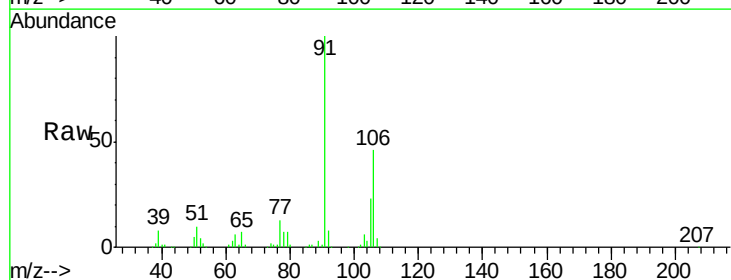
Manual Integrations
APPROVED

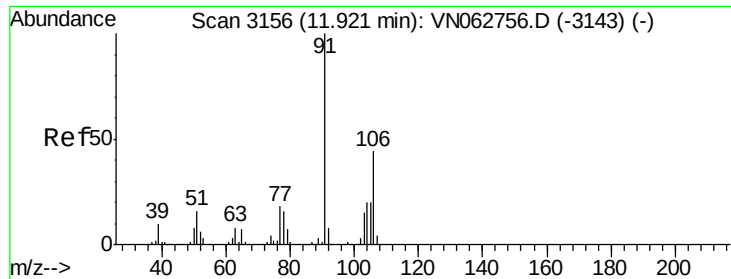
MMDadoda
8/14/2020 4:50:15 PM



#68
m/p-Xylenes
Concen: 38.398 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. -0.00 min
Lab File: VN062907.D
Acq: 13 Aug 2020 13:37

Tgt Ion	106	Resp	114809
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
91	213.4	175.9	263.9





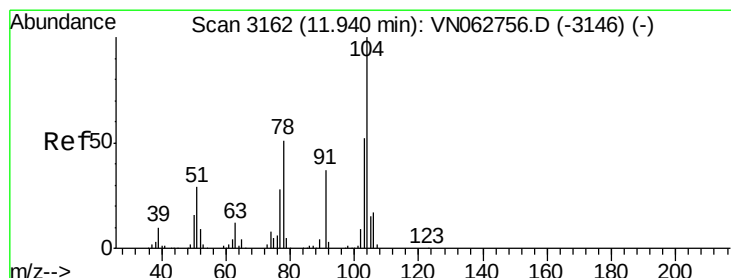
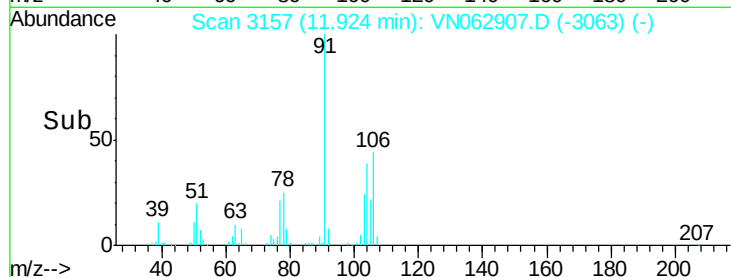
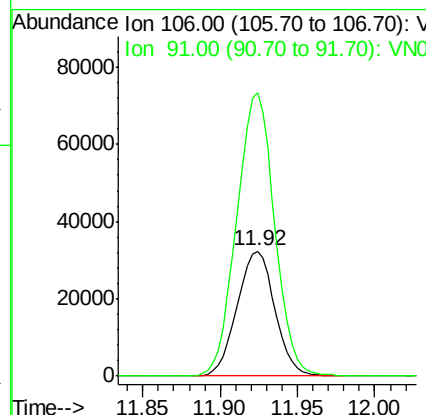
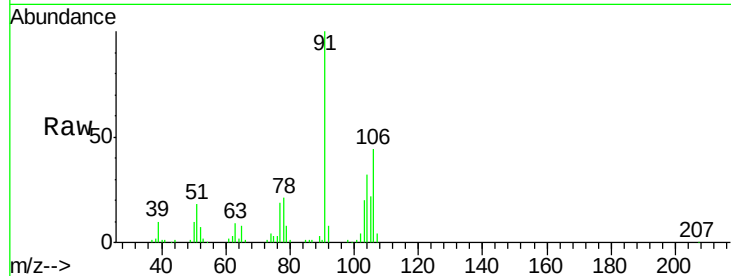
#69
o-Xylene
Concen: 19.600 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN062907.D
Acq: 13 Aug 2020 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		54918		
91	227.6	115.8	347.4		

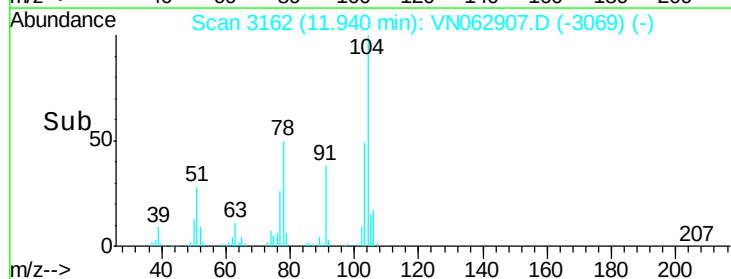
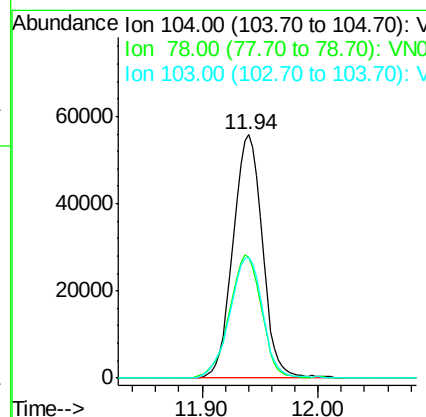
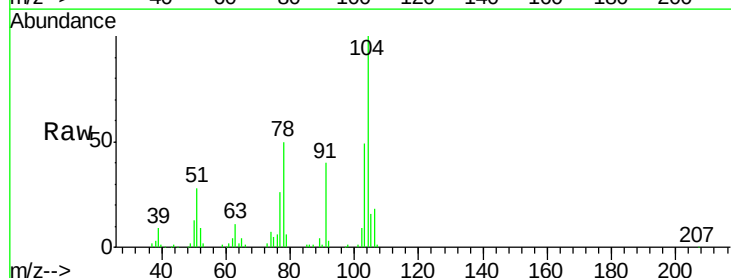
Manual Integrations
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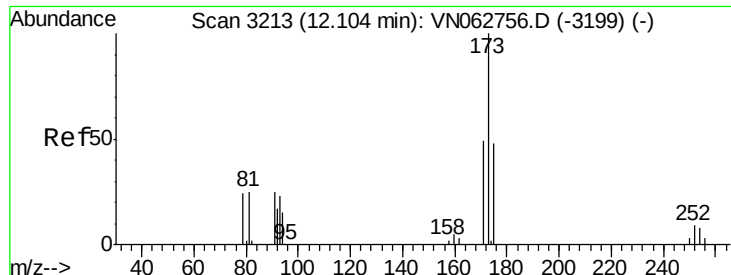
MMDadoda
8/14/2020 4:50:15 PM



#70
Styrene
Concen: 19.838 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN062907.D
Acq: 13 Aug 2020 13:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		97705		
78	54.7	45.9	68.9		
103	55.3	45.1	67.7		





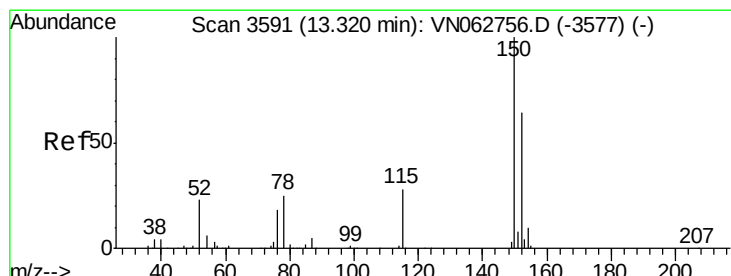
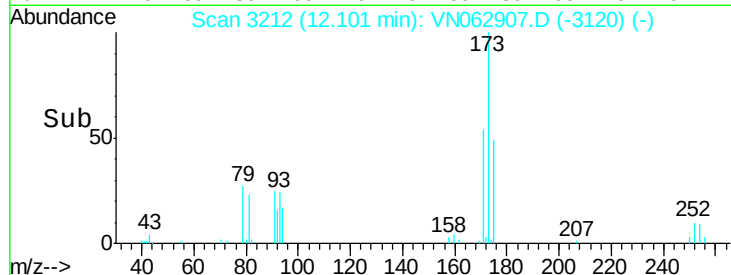
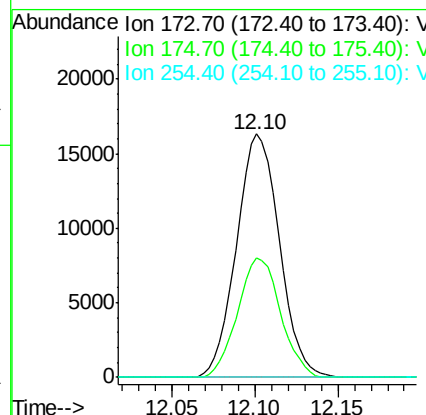
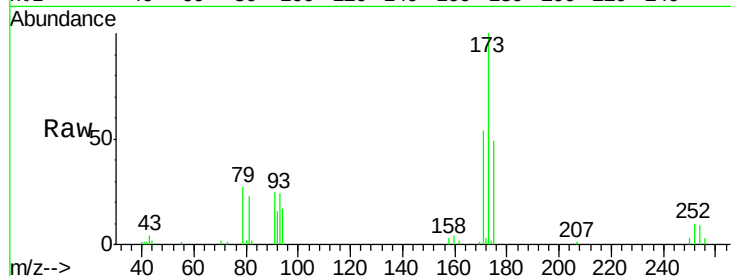
#71
Bromoform
Concen: 19.430 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. -0.00 min
Lab File: VN062907.D
Acq: 13 Aug 2020 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.0	72.0
254	0.0	0.0	0.0

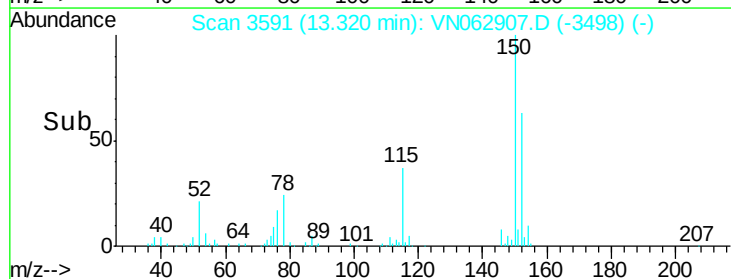
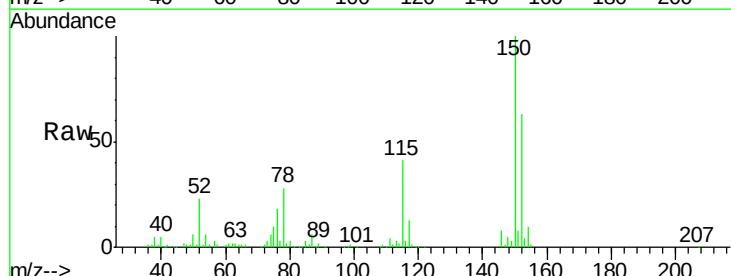
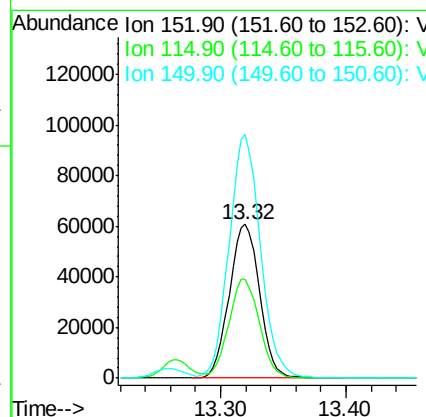
Manual Integrations
APPROVED

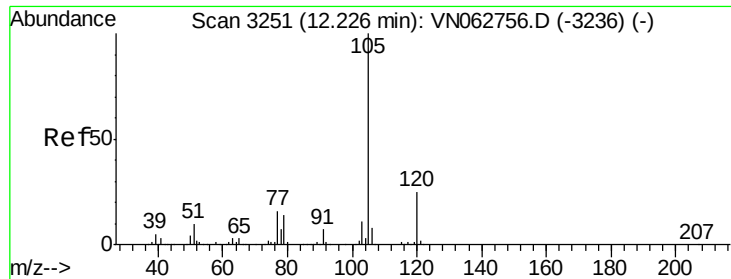
MMDadoda
8/14/2020 4:50:15 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. -0.00 min
Lab File: VN062907.D
Acq: 13 Aug 2020 13:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.9	31.6	94.8
150	164.1	0.0	349.2





#73

Isopropylbenzene

Concen: 20.813 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062907.D

Acq: 13 Aug 2020 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBSD01

Tot Ion:105 Resp: 159574

Ion Ratio Lower Upper

105 100

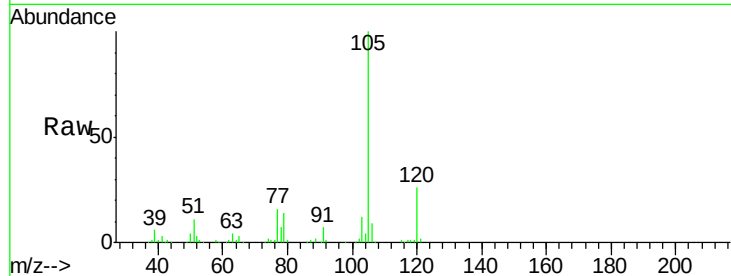
120 26.6 12.6 37.8

Manual Integrations

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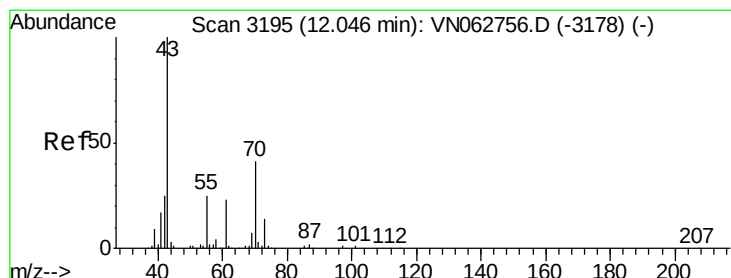
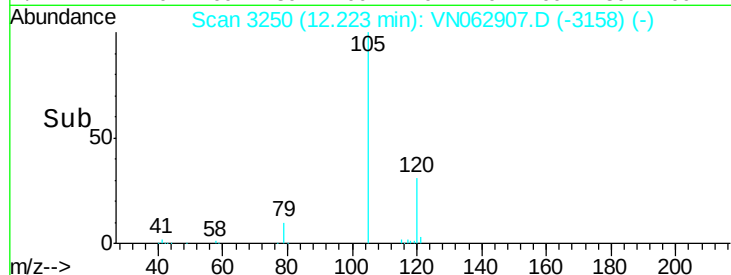
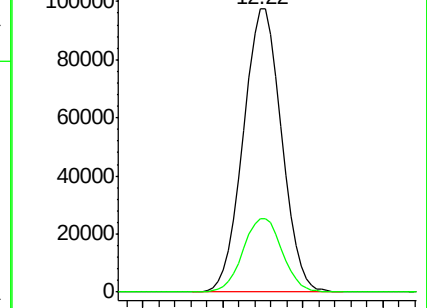
MMDadoda

8/14/2020 4:50:15 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.362 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VN062907.D

Acq: 13 Aug 2020 13:37

Tgt Ion: 43 Resp: 60160

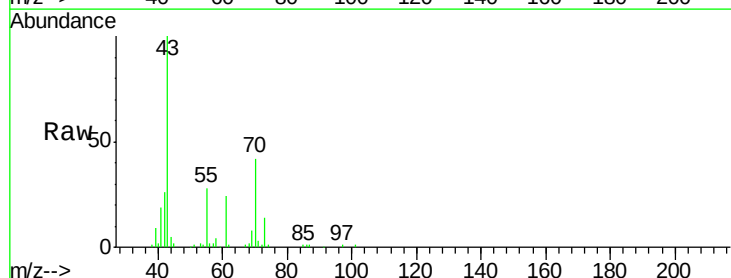
Ion Ratio Lower Upper

43 100

70 42.8 32.3 48.5

55 27.7 20.2 30.2

61 25.0 18.2 27.4

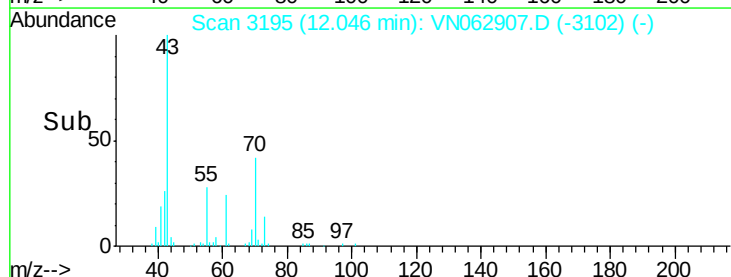
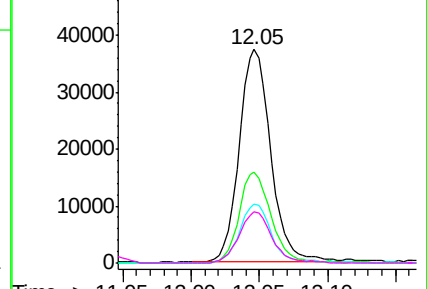


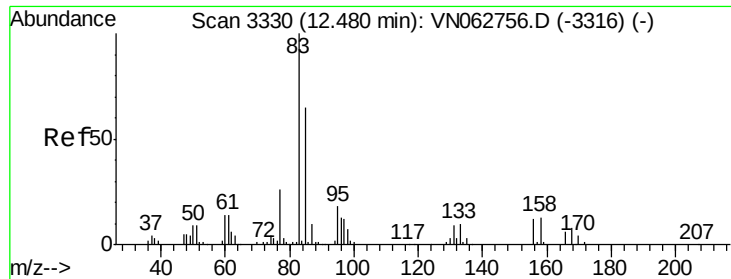
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.562 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN062907.D

Acq: 13 Aug 2020 13:37

Instrument :

MSVOA_N

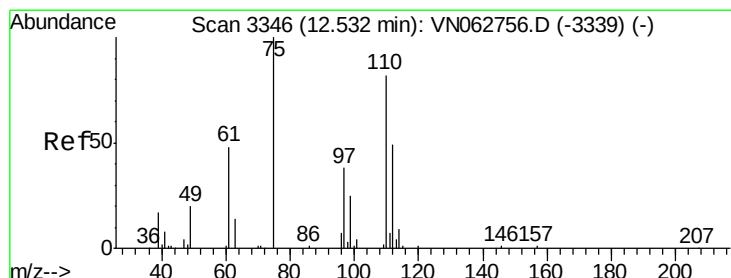
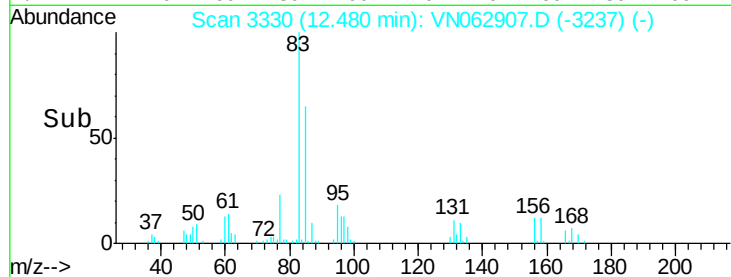
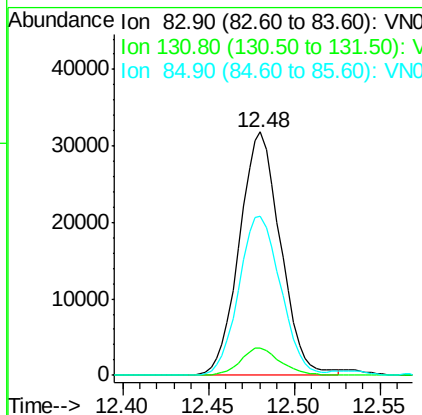
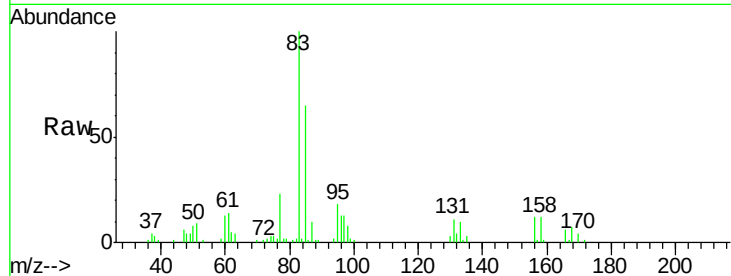
ClientSampleId :

VN0813WBSD01

Tot Ion:	83	Resp:	52797
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.1	15.4
85	66.5	31.9	95.9

Manual Integrations
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8/14/2020 4:50:15 PM



#76

1,2,3-Trichloropropane

Concen: 18.097 ug/l m

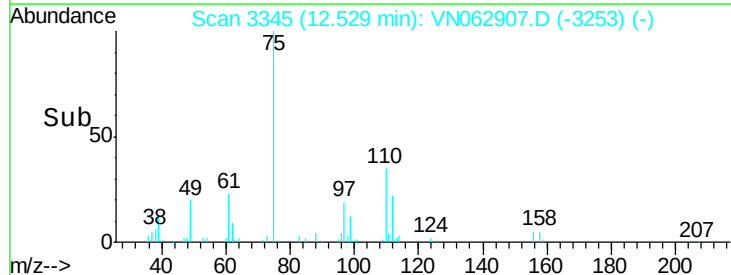
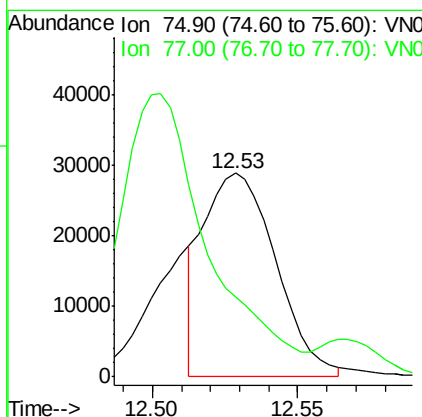
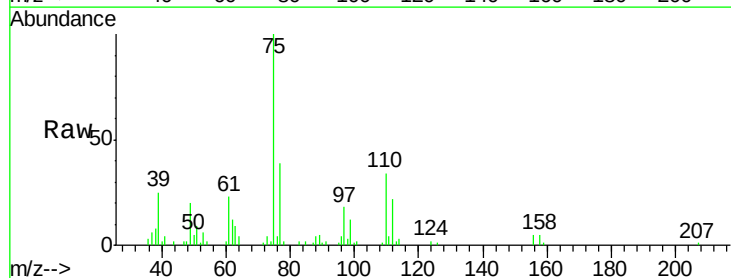
RT: 12.53 min Scan# 3345

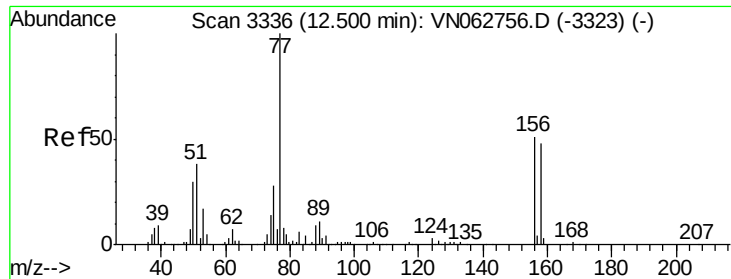
Delta R.T. -0.00 min

Lab File: VN062907.D

Acq: 13 Aug 2020 13:37

Tgt Ion:	75	Resp:	49693
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.915 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062907.D

Acq: 13 Aug 2020 13:37

Instrument :

MSVOA_N

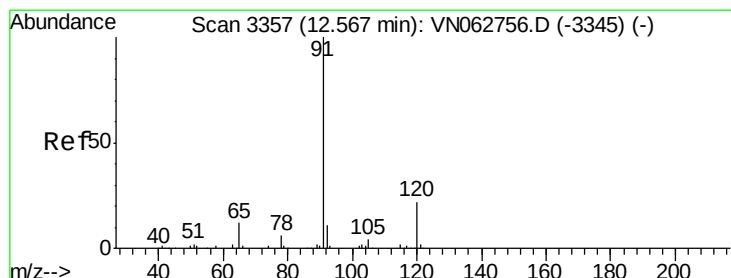
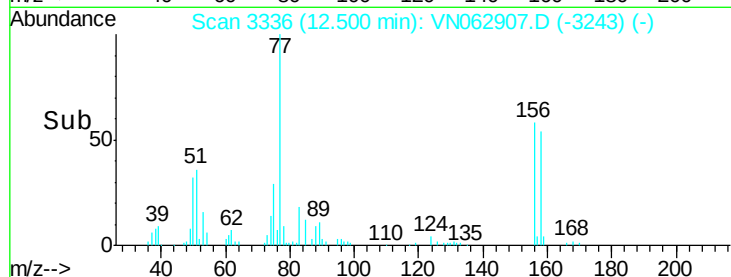
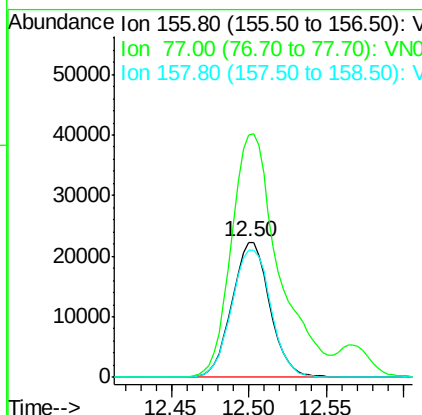
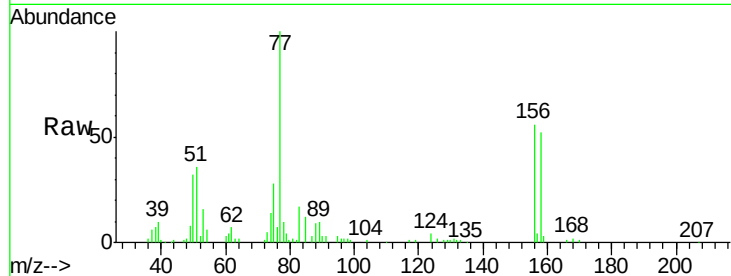
ClientSampleId :

VN0813WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	225.4	119.7	359.1
158	98.0	48.1	144.3

Manual Integrations
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#78

n-propylbenzene

Concen: 19.764 ug/l

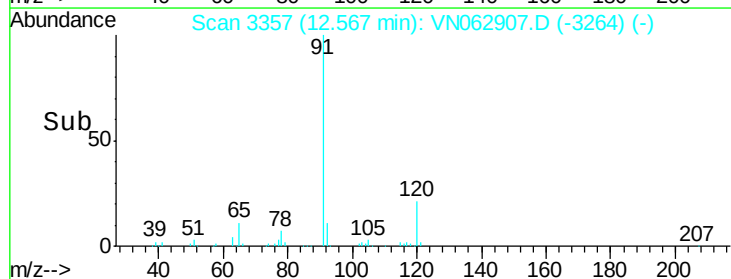
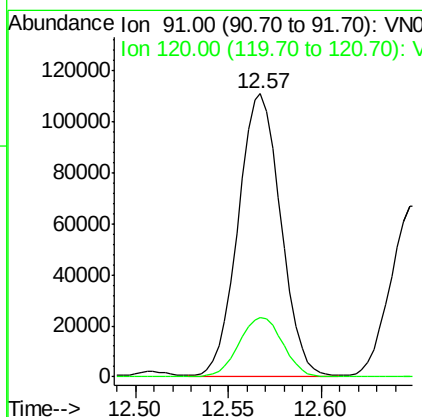
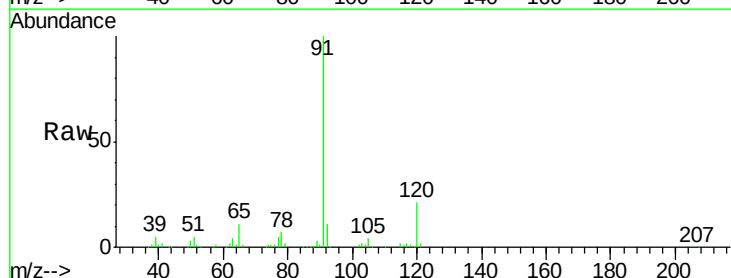
RT: 12.57 min Scan# 3357

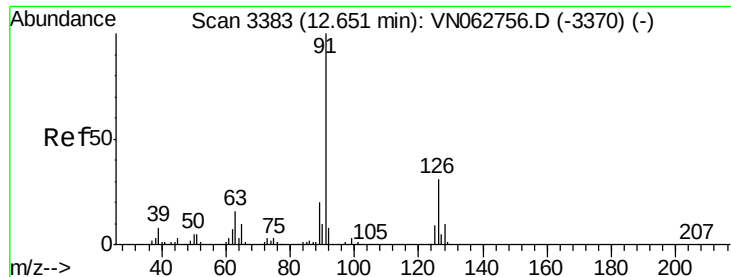
Delta R.T. -0.00 min

Lab File: VN062907.D

Acq: 13 Aug 2020 13:37

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.9	32.9





#79

2-Chlorotoluene

Concen: 20.231 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. -0.00 min

Lab File: VN062907.D

Acq: 13 Aug 2020 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBSD01

Tot Ion: 91 Resp: 114179

Ion Ratio Lower Upper

91 100

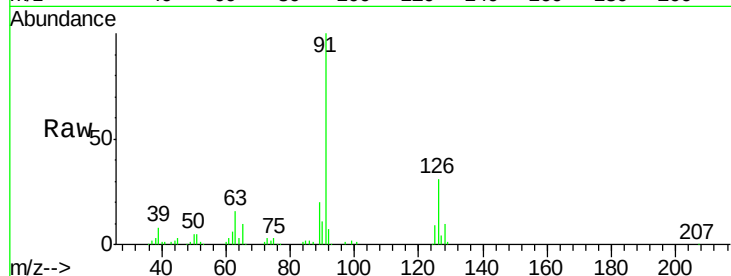
126 31.0 15.6 46.7

Manual Integrations

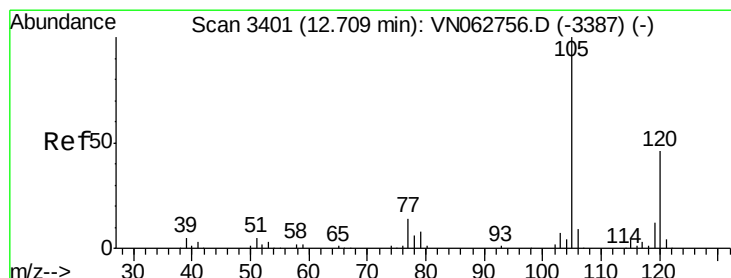
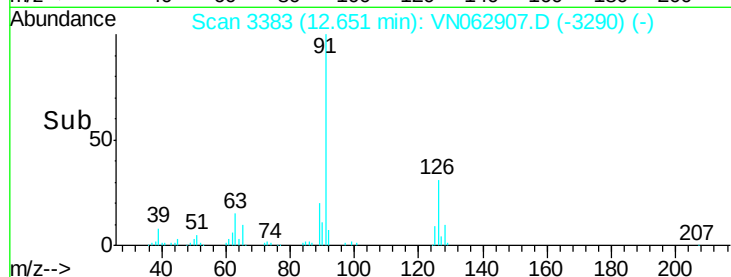
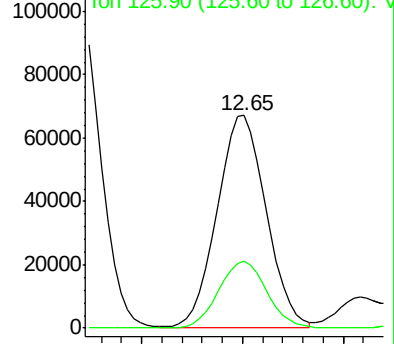
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Abundance Ion 91.00 (90.70 to 91.70): VN062907.D (-3290) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.359 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062907.D

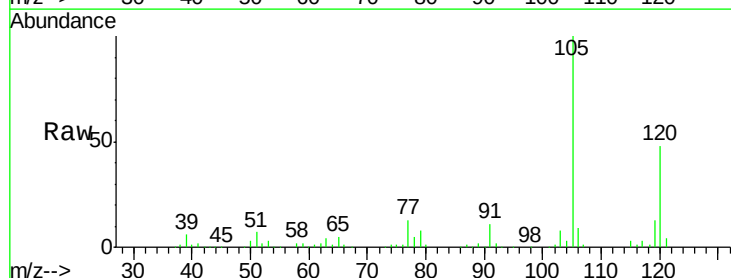
Acq: 13 Aug 2020 13:37

Tgt Ion: 105 Resp: 135420

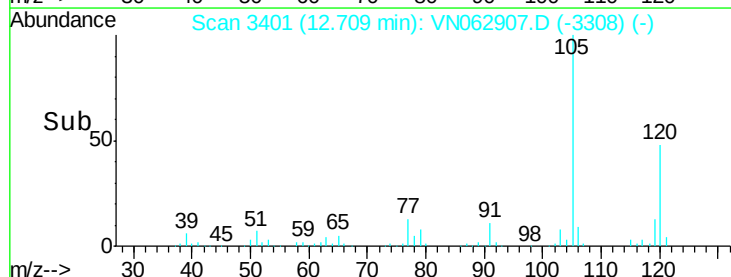
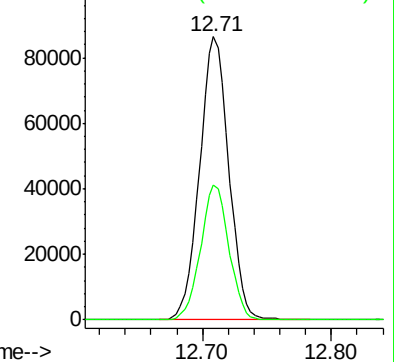
Ion Ratio Lower Upper

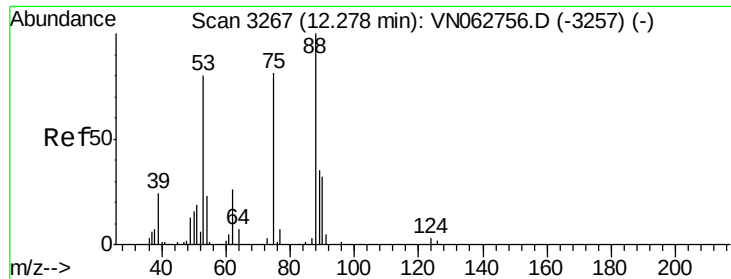
105 100

120 46.3 22.9 68.5



Abundance Ion 105.00 (104.70 to 105.70): VN062907.D (-3308) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.319 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. -0.00 min

Lab File: VN062907.D

Acq: 13 Aug 2020 13:37

Instrument :

MSVOA_N

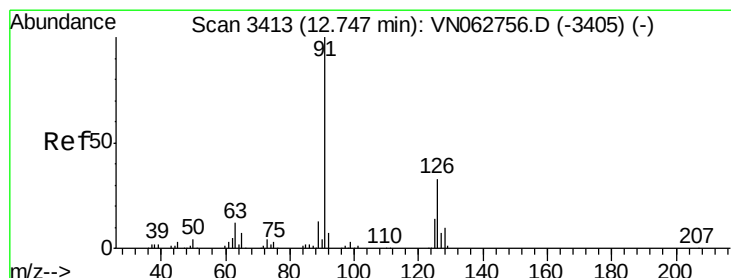
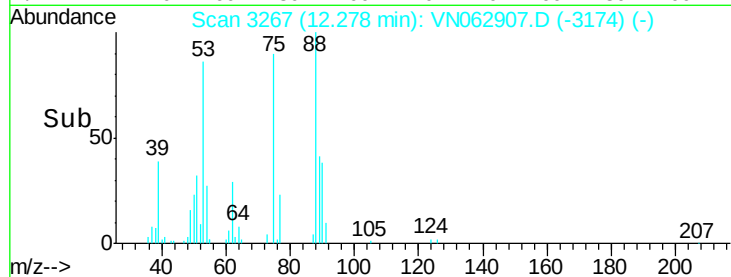
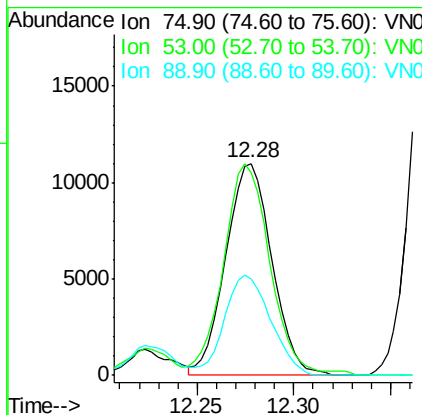
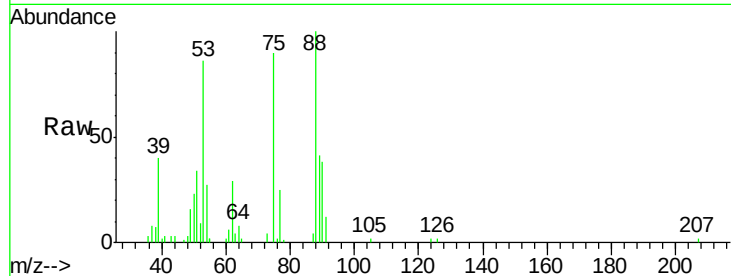
ClientSampleId :

VN0813WBSD01

Tot Ion:	75	Resp:	18277
Ion	Ratio	Lower	Upper
75	100		
53	96.8	79.1	118.7
89	47.2	36.2	54.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.507 ug/l

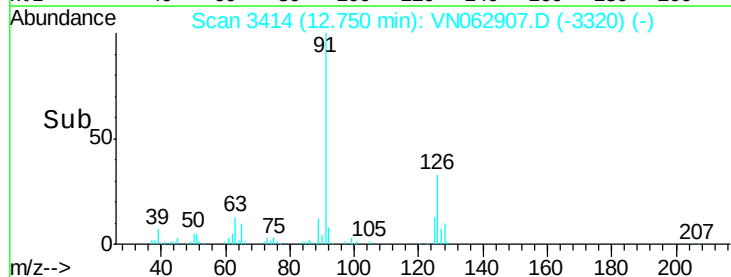
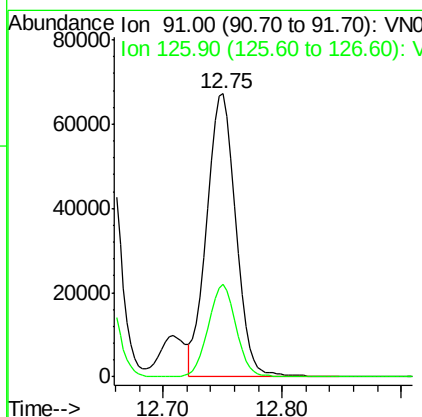
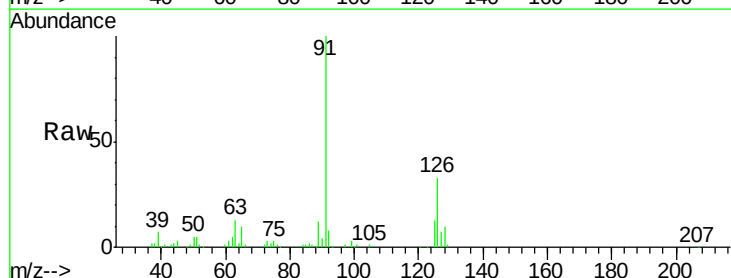
RT: 12.75 min Scan# 3414

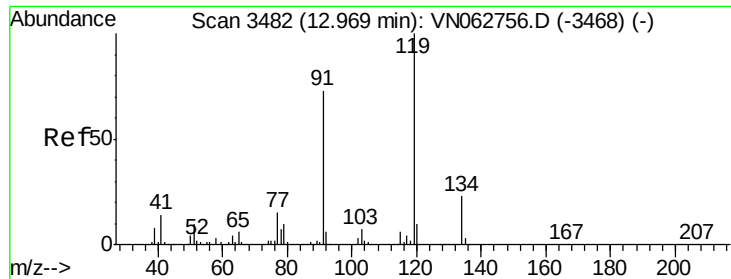
Delta R.T. 0.00 min

Lab File: VN062907.D

Acq: 13 Aug 2020 13:37

Tgt Ion:	91	Resp:	113457
Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.3	45.9





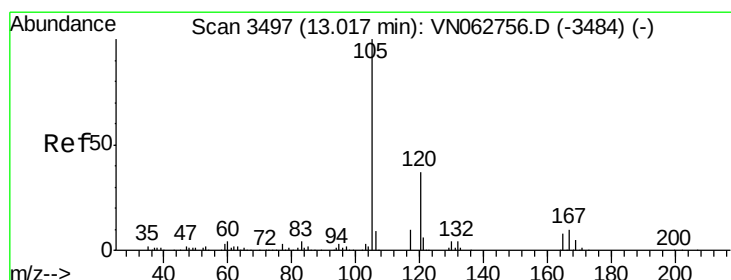
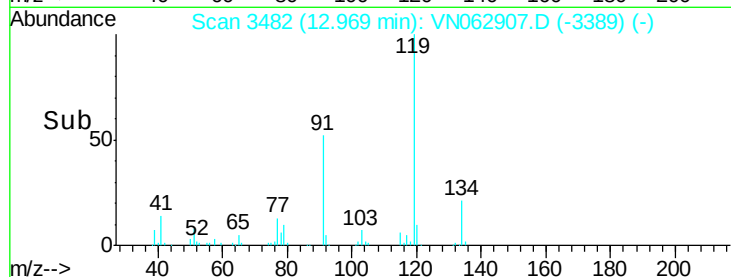
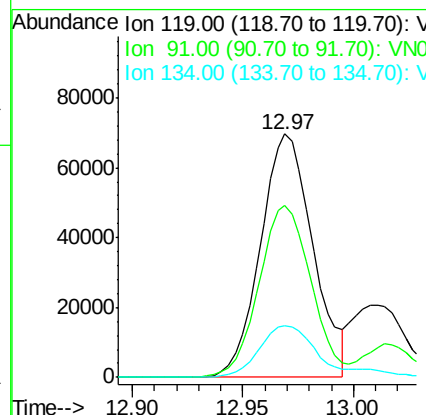
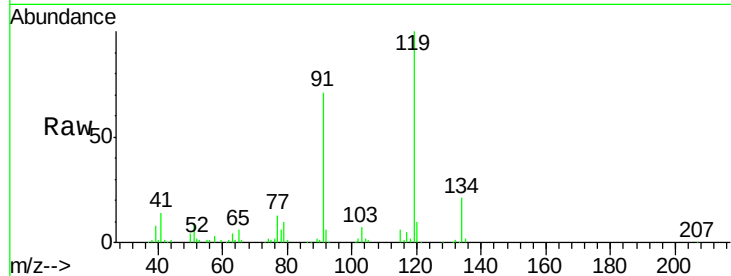
#83
 tert-Butylbenzene
 Concen: 20.453 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062907.D
 Acq: 13 Aug 2020 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	115115		
91	70.4	36.5	109.5	
134	22.3	11.3	33.8	

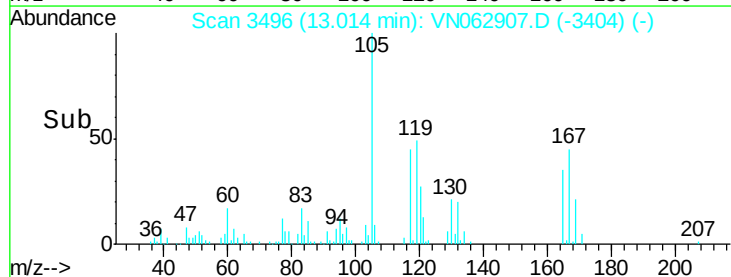
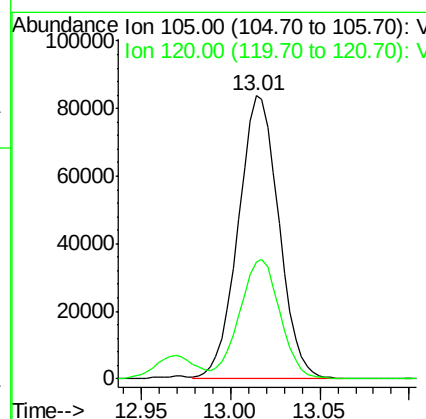
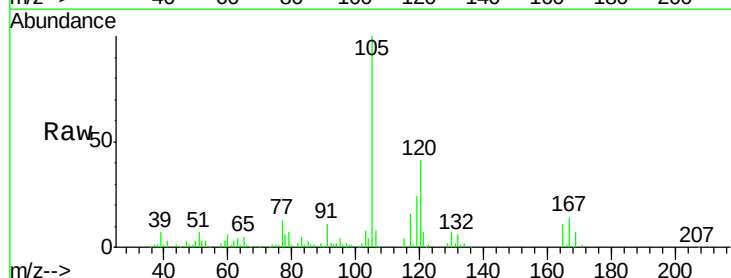
Manual Integrations
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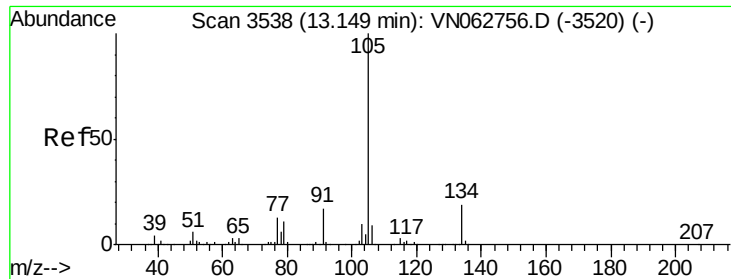
MMDadoda
 8/14/2020 4:50:15 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.637 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062907.D
 Acq: 13 Aug 2020 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	131319		
120	42.6	21.4	64.2	





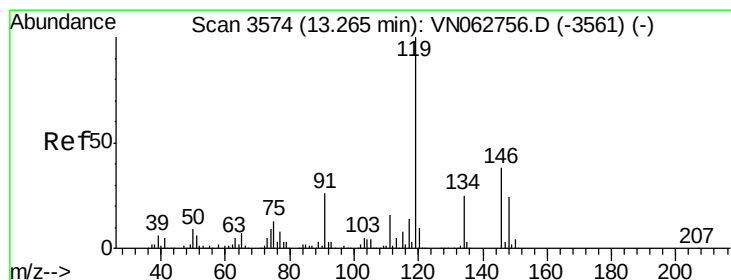
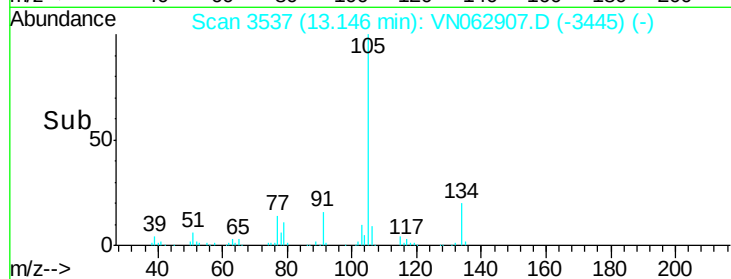
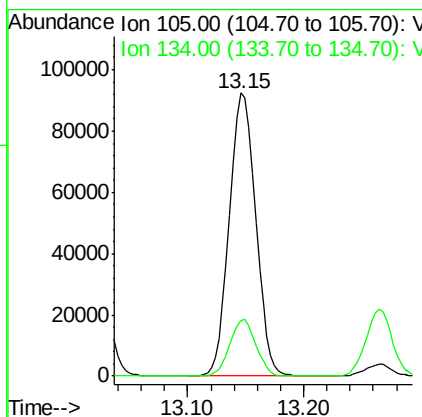
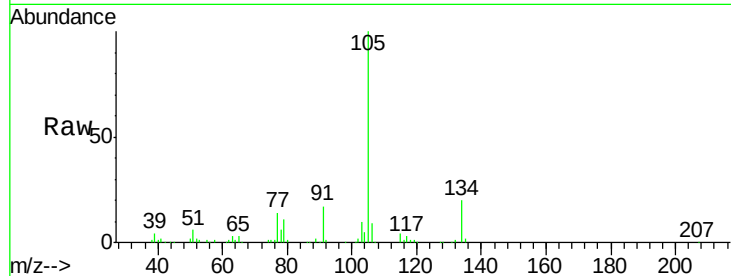
#85
 sec-Butylbenzene
 Concen: 19.707 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN062907.D
 Acq: 13 Aug 2020 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	145659		
134	19.6	9.6	28.6	

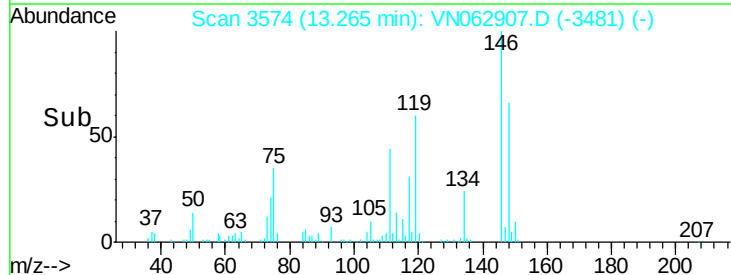
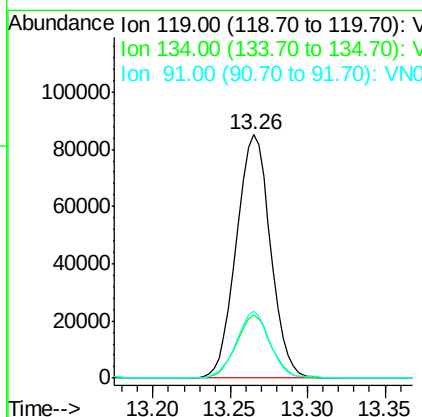
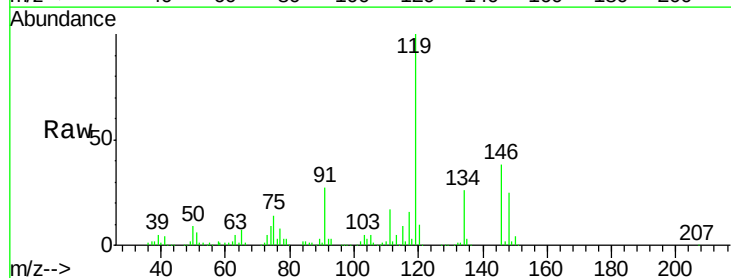
Manual Integrations
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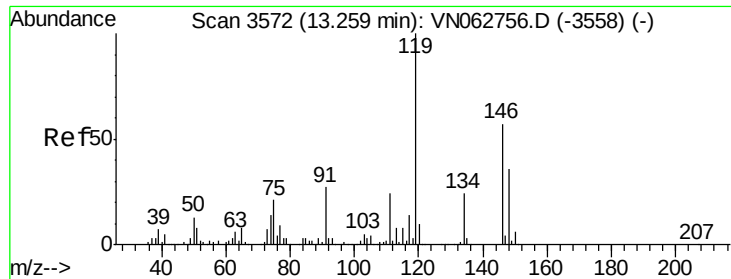
MMDadoda
 8/14/2020 4:50:15 PM



#86
 p-Isopropyltoluene
 Concen: 19.957 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN062907.D
 Acq: 13 Aug 2020 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	130928		
134	25.9	12.6	37.8	
91	27.2	13.4	40.2	





#87

1,3-Dichlorobenzene

Concen: 18.857 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. -0.00 min

Lab File: VN062907.D

Acq: 13 Aug 2020 13:37

Instrument :

MSVOA_N

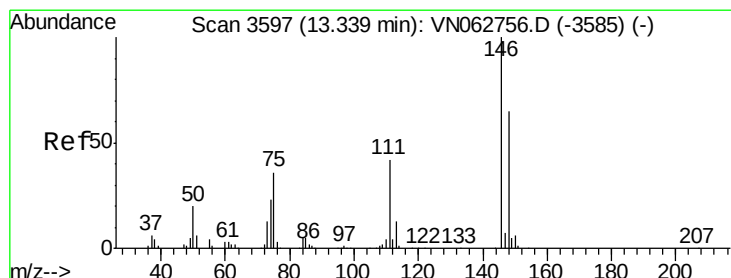
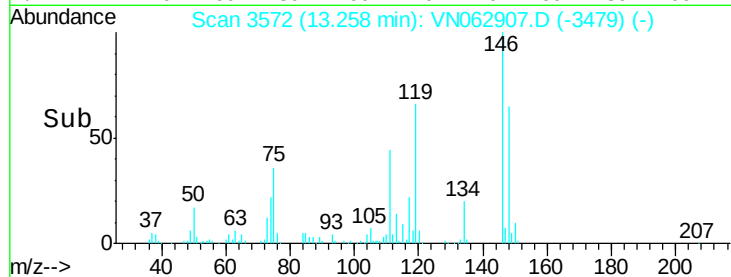
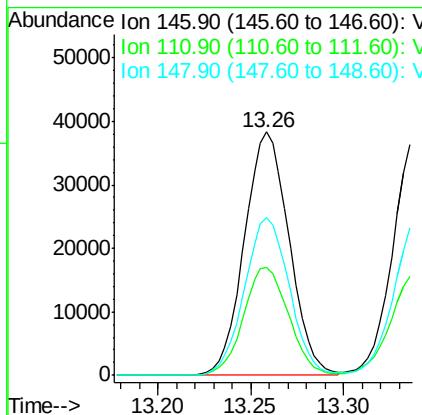
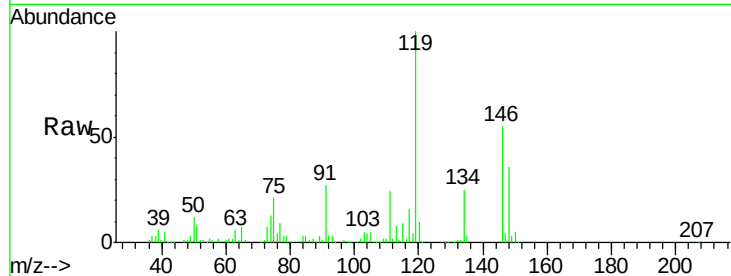
ClientSampled :

VN0813WBSD01

Tot Ion:	146	Resp:	64176
Ion	Ratio	Lower	Upper
146	100		
111	44.8	21.7	65.1
148	65.0	31.4	94.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.520 ug/l

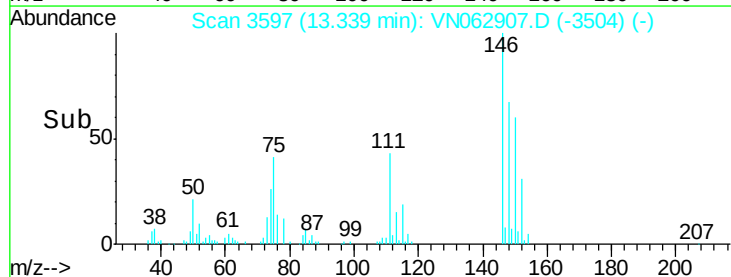
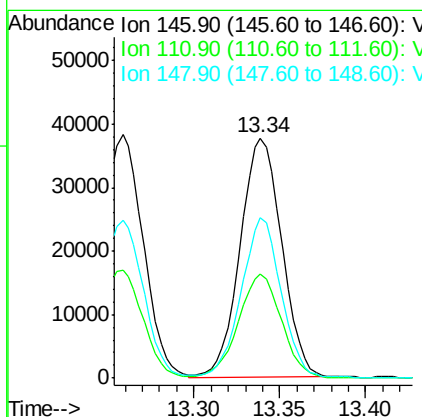
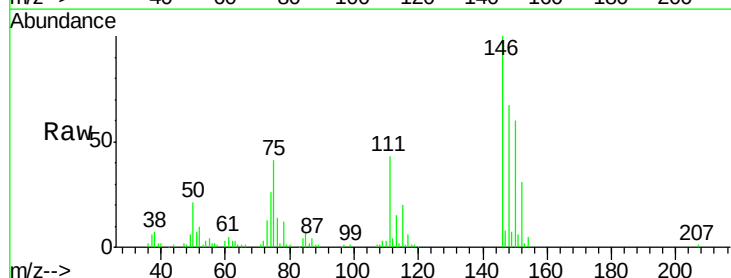
RT: 13.34 min Scan# 3597

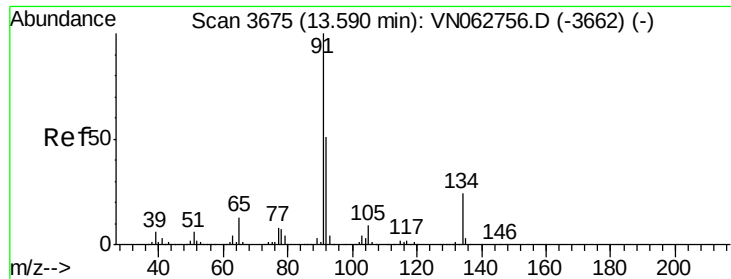
Delta R.T. -0.00 min

Lab File: VN062907.D

Acq: 13 Aug 2020 13:37

Tgt Ion:	146	Resp:	63215
Ion	Ratio	Lower	Upper
146	100		
111	45.1	21.6	64.6
148	65.2	32.6	97.8





#89

n-Butylbenzene

Concen: 18.200 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN062907.D

Acq: 13 Aug 2020 13:37

Instrument :

MSVOA_N

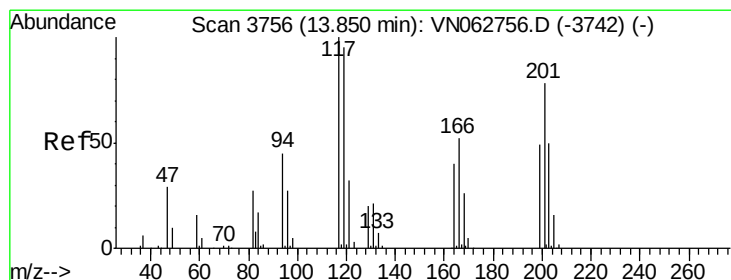
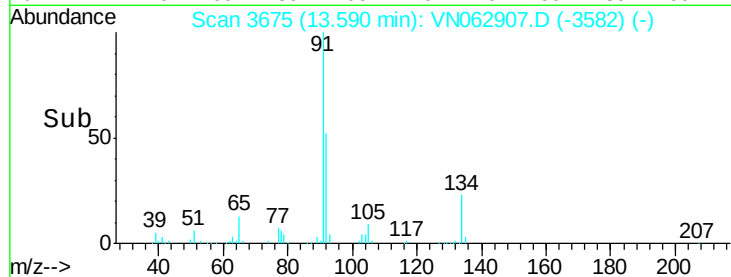
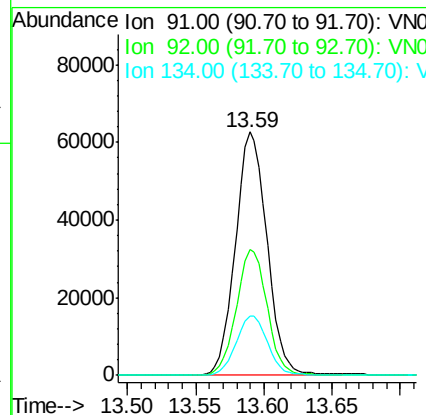
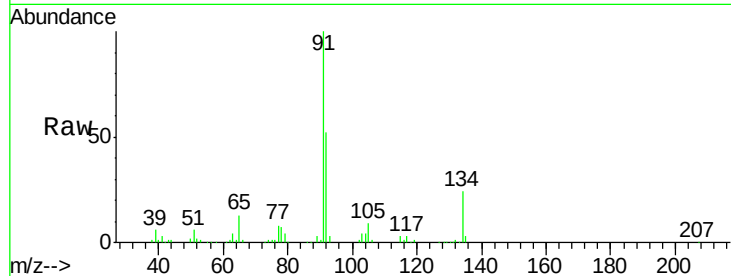
ClientSampleId :

VN0813WBSD01

Tot Ion:	91	Resp:	100987
Ion	Ratio	Lower	Upper
91	100		
92	50.3	25.7	77.0
134	24.3	12.2	36.6

Manual Integrations
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#90

Hexachloroethane

Concen: 18.385 ug/l

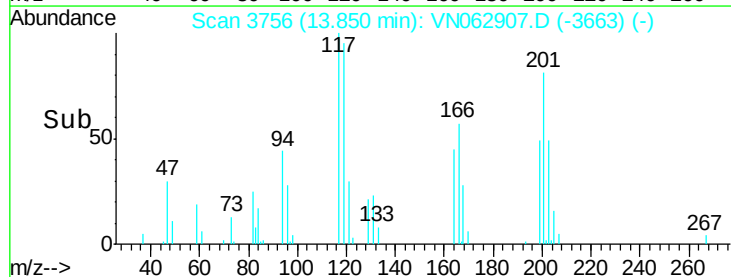
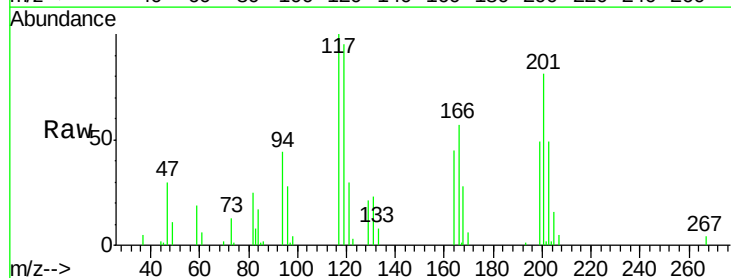
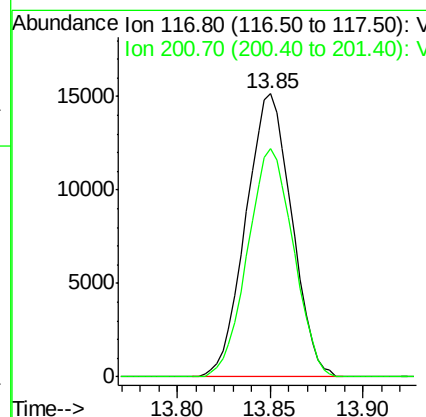
RT: 13.85 min Scan# 3756

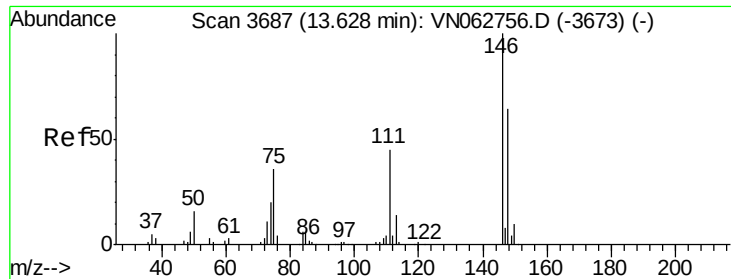
Delta R.T. -0.00 min

Lab File: VN062907.D

Acq: 13 Aug 2020 13:37

Tgt Ion:	117	Resp:	26000
Ion	Ratio	Lower	Upper
117	100		
201	80.3	39.2	117.6





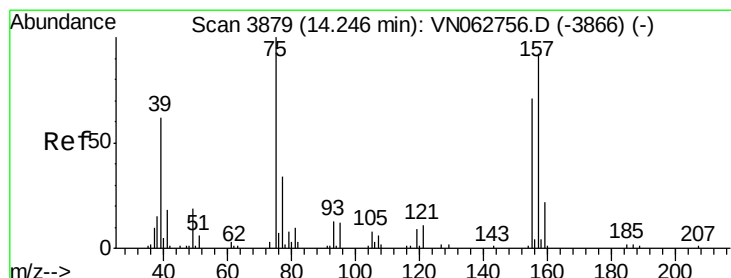
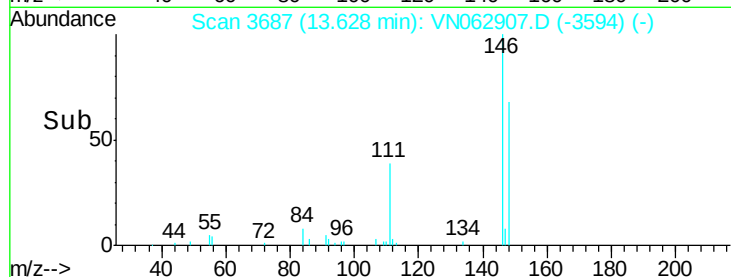
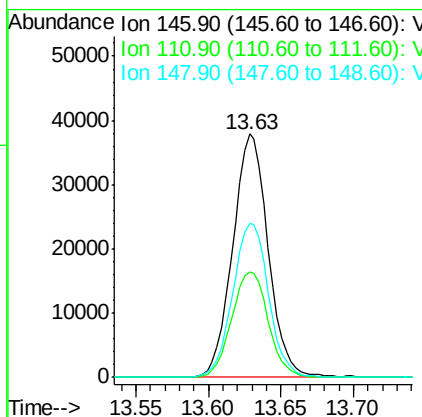
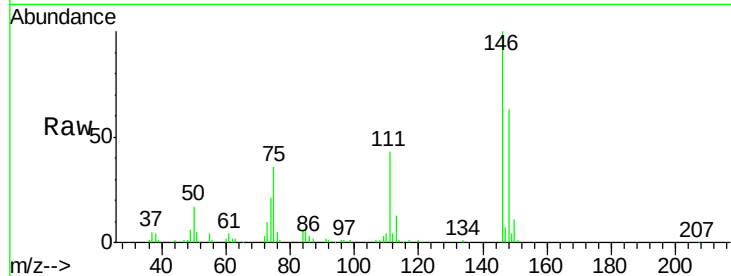
#91
 1,2-Dichlorobenzene
 Concen: 20.096 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062907.D
 Acq: 13 Aug 2020 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.8	68.4
148	64.0	31.9	95.5

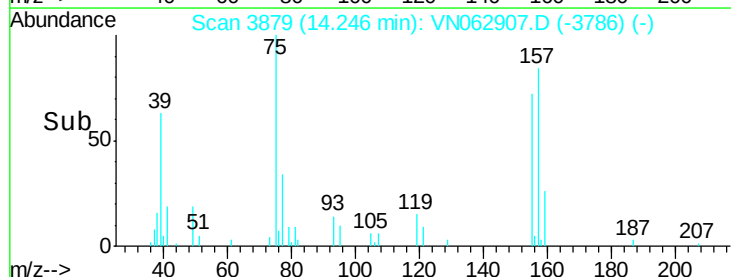
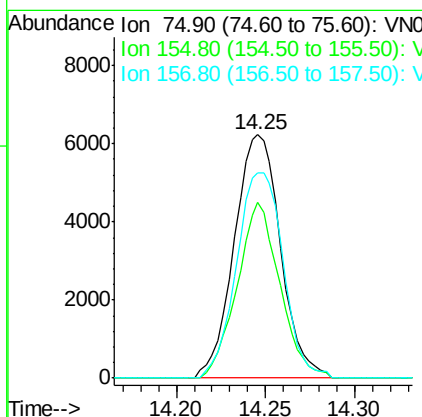
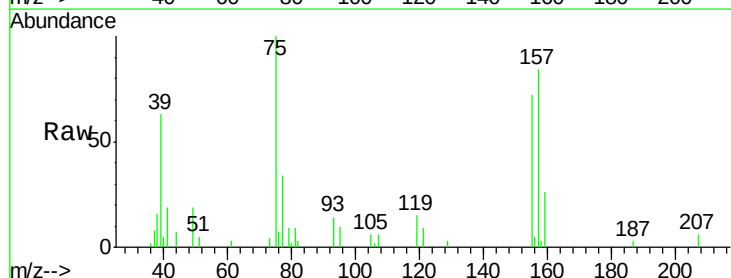
Manual Integrations
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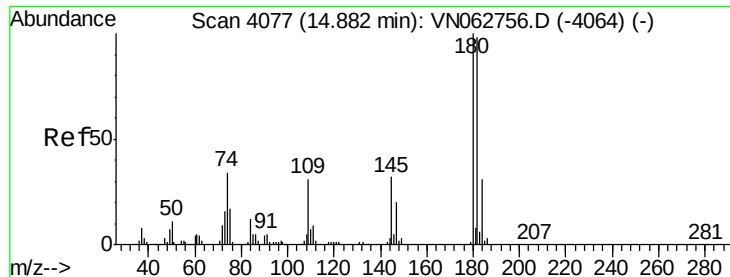
MMDadoda
 8/14/2020 4:50:15 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.377 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN062907.D
 Acq: 13 Aug 2020 13:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.8	35.0	105.1
157	85.3	43.2	129.6





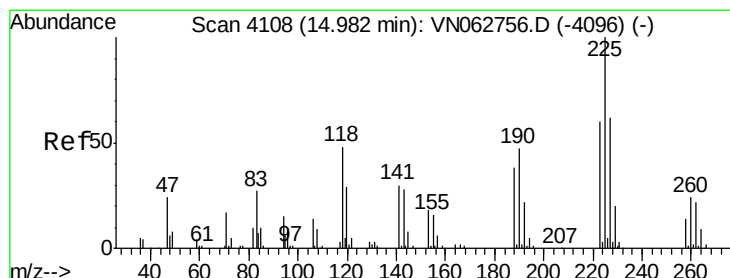
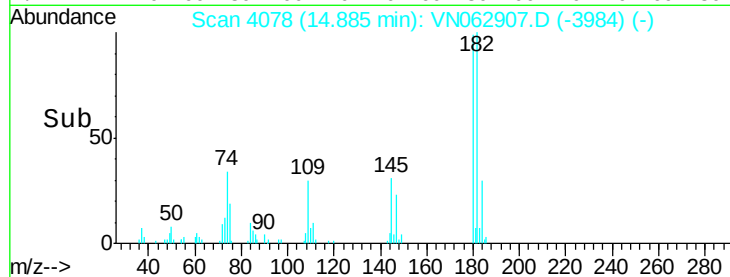
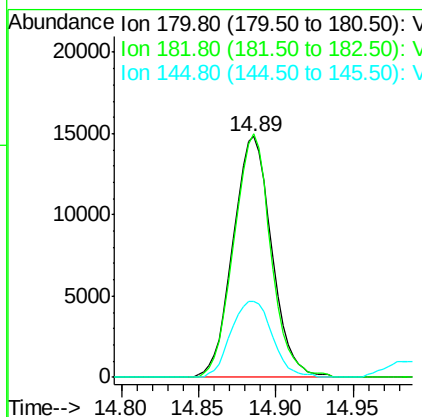
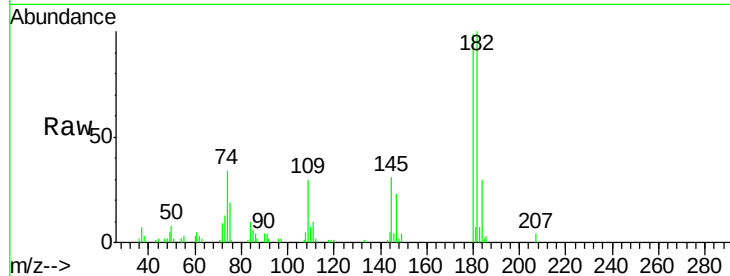
#93
 1,2,4-Trichlorobenzene
 Concen: 17.366 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN062907.D
 Acq: 13 Aug 2020 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.8	25778	49.1	147.4
145	33.6		16.3	48.8

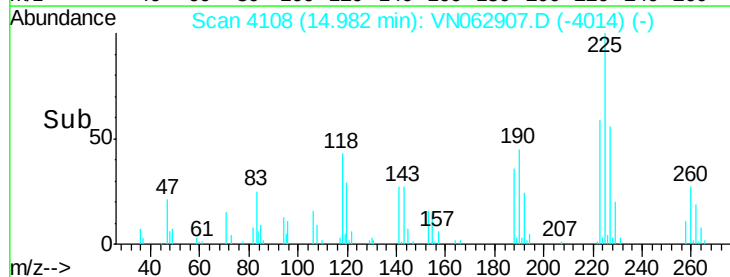
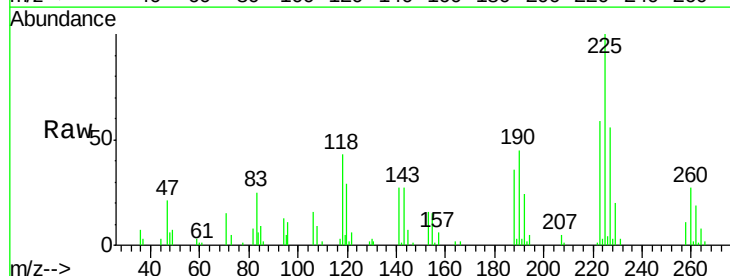
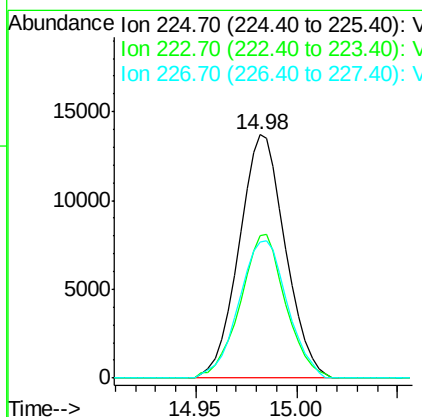
Manual Integrations
 APPROVED

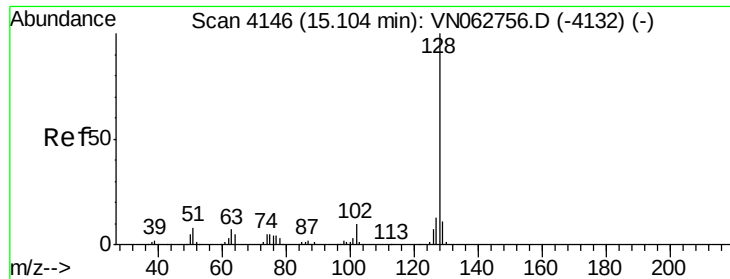
MMDadoda
 8/14/2020 4:50:15 PM



#94
 Hexachlorobutadiene
 Concen: 20.916 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN062907.D
 Acq: 13 Aug 2020 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	21909		
223	58.1		30.6	92.0
227	59.1		31.6	95.0





#95

Naphthalene

Concen: 16.909 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN062907.D

Acq: 13 Aug 2020 13:37

Instrument :

MSVOA_N

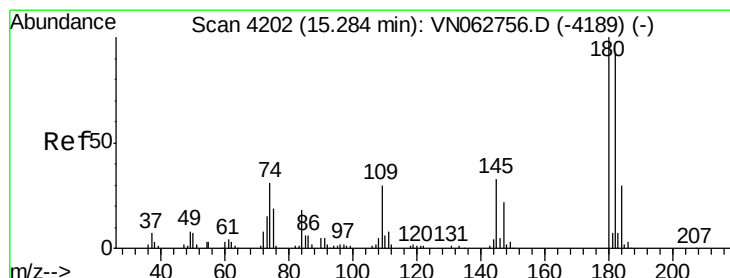
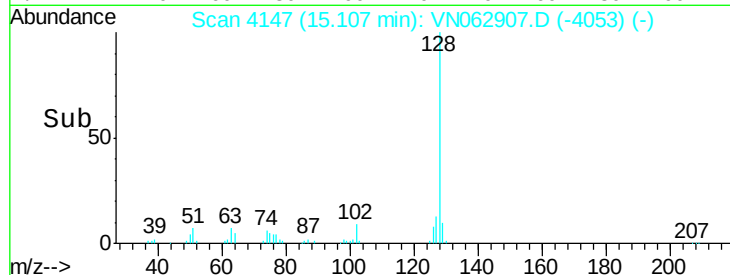
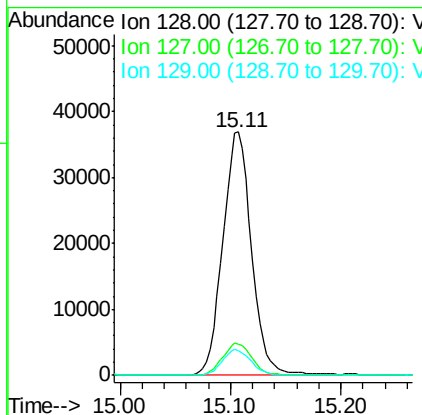
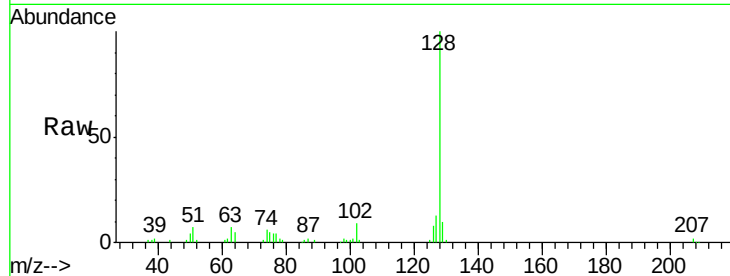
ClientSampleId :

VN0813WBSD01

Tot Ion:	128	Resp:	66742
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.8	16.2
129	10.3	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/14/2020 4:50:15 PM



#96

1,2,3-Trichlorobenzene

Concen: 17.985 ug/l

RT: 15.29 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN062907.D

Acq: 13 Aug 2020 13:37

Tgt Ion:	180	Resp:	27239
Ion Ratio	Lower	Upper	
180	100		
182	93.4	47.9	143.6
145	35.5	17.3	51.7

