

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090319\
 Data File : VN057664.D
 Acq On : 3 Sep 2019 15:36
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 9/5/2019 3:20:59 PM

Quant Time: Sep 04 01:54:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N090319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 04 01:47:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	61146	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	365525	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	334984	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	194067	38.46	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	128.20%
60) 4-Bromofluorobenzene	12.40	95	183338	35.40	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	118.00%
63) Toluene-d8	10.08	98	475561	30.34	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.13%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.84	85	229047	67.269	ug/l	96
3) Chloromethane	2.05	50	229656	71.852	ug/l	99
4) Vinyl Chloride	2.18	62	186902	43.816	ug/l	94
5) Bromomethane	2.52	94	113793m	30.581	ug/l	
6) Chloroethane	2.68	64	137334m	47.229	ug/l	
7) Trichlorofluoromethane	3.01	101	353677	38.982	ug/l	96
8) Diethyl Ether	3.40	74	119602	40.600	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	190509	35.957	ug/l	99
10) 1,1-Dichloroethene	3.73	96	172457	35.113	ug/l	97
11) Methyl Iodide	3.94	142	243970	29.595	ug/l	98
12) Methyl Acetate	4.30	43	253400	75.858	ug/l	99
13) Acrolein	3.59	56	70992	199.297	ug/l	95
14) Acrylonitrile	4.96	53	460198	362.483	ug/l	99
15) Acetone	3.80	58	127714	221.937	ug/l	94
16) Carbon Disulfide	4.04	76	431475	70.786	ug/l	99
17) Allyl chloride	4.31	41	347558	79.175	ug/l	97
18) Methylene Chloride	4.54	84	210867	64.163	ug/l	99
19) trans-1,2-Dichloroethene	5.03	96	181491	57.226	ug/l	99
20) Diisopropyl ether	5.93	45	775031	74.160	ug/l	97
21) 1,1-Dichloroethane	5.83	63	402401	64.356	ug/l	98
22) cis-1,2-Dichloroethene	6.81	96	222422	53.105	ug/l	98
23) tert-Butyl Alcohol	4.75	59	170829	370.212	ug/l #	100
24) Methyl tert-Butyl Ether	5.02	73	671124	63.417	ug/l	99
25) Chloroform	7.36	83	420569	57.291	ug/l	99
26) Cyclohexane	7.64	56	343214	65.769	ug/l #	97
29) 1,1-Dichloropropene	7.78	75	294978	58.062	ug/l	98
30) 2-Butanone	6.81	43	700722	391.803	ug/l #	98
31) 2,2-Dichloropropane	6.81	77	367014	60.309	ug/l #	76
32) 1,1,1-Trichloroethane	7.56	97	369802	55.479	ug/l	98
33) Carbon Tetrachloride	7.76	117	298967	53.309	ug/l	97
34) Benzene	8.03	78	849576	56.362	ug/l #	88
35) Methacrylonitrile	7.16	41	143399	83.809	ug/l	92
36) 1,2-Dichloroethane	8.11	62	380027	66.182	ug/l #	100
37) Trichloroethene	8.83	130	202524	48.251	ug/l	98
38) Methylcyclohexane	9.07	83	328119	54.474	ug/l	98
39) 1,2-Dichloropropane	9.11	63	233296	61.504	ug/l	95
40) Dibromomethane	9.20	93	148942	53.355	ug/l	99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 04 01:47:16 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	327038	56.668	ug/l	95
42) Vinyl Acetate	5.87	43	3259743	406.230	ug/l	100
43) Ethyl Acetate	6.91	43	291125	83.816	ug/l #	81
44) Isopropyl Acetate	8.15	43	535958	77.426	ug/l #	82
45) 1,4-Dioxane	9.19	88	70743	1270.411	ug/l	95
46) Methyl methacrylate	9.19	41	264647	82.452	ug/l	99
47) n-amyl Acetate	12.07	43	431202	78.202	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	345434	59.247	ug/l	96
49) cis-1,3-Dichloropropene	9.83	75	363963	57.865	ug/l	93
50) 1,1,2-Trichloroethane	10.56	97	200872	50.380	ug/l	98
51) Ethyl methacrylate	10.43	69	339659	63.000	ug/l	99
52) 1,3-Dichloropropane	10.71	76	357838	56.390	ug/l	100
53) Dibromochloromethane	10.90	129	215919	49.062	ug/l	99
54) 1,2-Dibromoethane	11.00	107	205461	50.170	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	565195	405.813	ug/l	98
56) Bromoform	12.13	173	134179	47.093	ug/l #	98
58) 4-Methyl-2-Pentanone	9.98	43	1542754	401.813	ug/l	99
59) 2-Hexanone	10.75	43	1075833	405.515	ug/l	99
61) Tetrachloroethene	10.63	164	183148	43.616	ug/l	97
62) Toluene	10.15	91	934917	54.786	ug/l	99
64) Chlorobenzene	11.43	112	545602	50.524	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	201909	47.505	ug/l	97
66) Ethyl Benzene	11.51	91	1093068	59.262	ug/l	99
67) m/p-Xylenes	11.62	106	748609	103.716	ug/l	100
68) o-Xylene	11.95	106	369034	50.807	ug/l	96
69) Styrene	11.96	104	617493	53.951	ug/l	98
70) Isopropylbenzene	12.25	105	1055122	57.806	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	267577	54.213	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	246627m	58.192	ug/l	
73) Bromobenzene	12.53	156	221524	48.527	ug/l	96
74) n-propylbenzene	12.59	91	1195757	63.228	ug/l	100
75) 2-Chlorotoluene	12.68	91	722381	58.664	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	868576	56.713	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	81318	60.494	ug/l	87
78) 4-Chlorotoluene	12.77	91	697080	59.769	ug/l	100
79) tert-butylbenzene	12.99	119	728941	52.376	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	829998	57.861	ug/l	99
81) sec-Butylbenzene	13.17	105	981527	57.985	ug/l	99
82) p-Isopropyltoluene	13.29	119	811703	54.565	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	338471	46.400	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	319443	45.834	ug/l	99
85) n-Butylbenzene	13.62	91	733287	60.787	ug/l	98
86) Hexachloroethane	13.88	117	147891	51.240	ug/l	92
87) 1,2-Dichlorobenzene	13.66	146	305848	44.148	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	38949	55.090	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	96159	37.996	ug/l	99
90) Hexachlorobutadiene	15.01	225	116269	50.511	ug/l	98
91) Naphthalene	15.13	128	245035	35.512	ug/l	98
92) 1,2,3-Trichlorobenzene	15.30	180	92388	36.972	ug/l	97

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MSVOA_N
ClientSampleId :
VSTDICC050

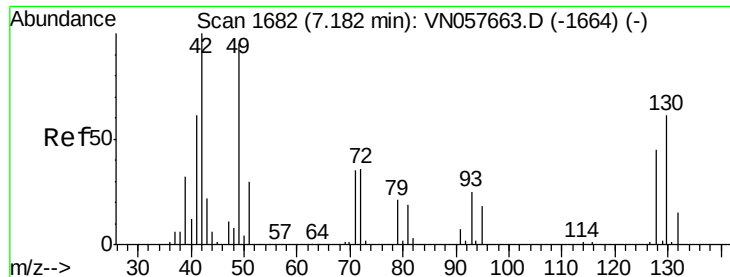
Manual Integrations
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QLast Update : Wed Sep 04 01:47:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



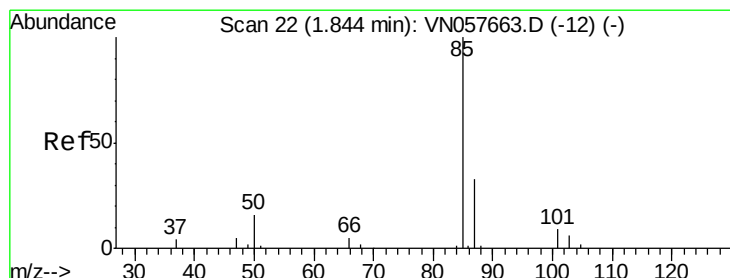
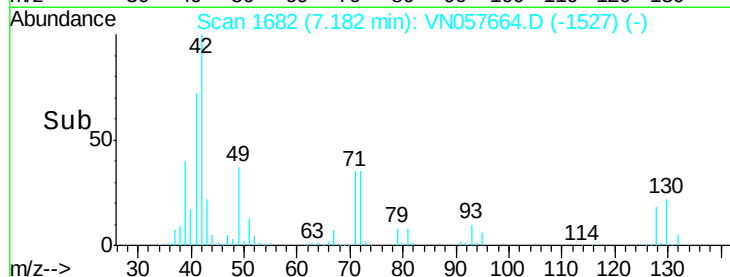
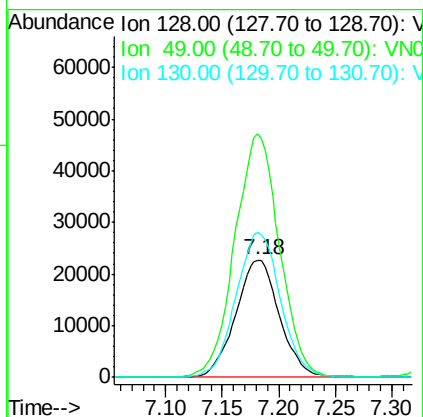
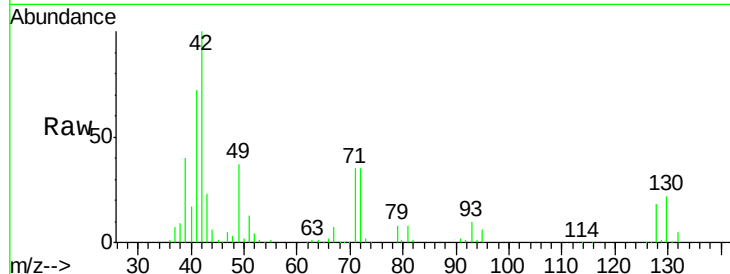
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VN057664.D
Acq: 3 Sep 2019 15:36

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
128	100		
49	211.5	0.0	544.5
130	125.4	0.0	324.7

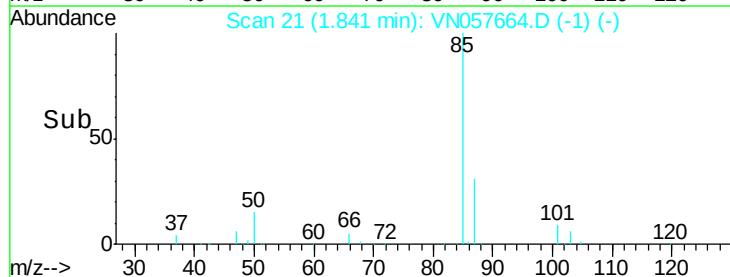
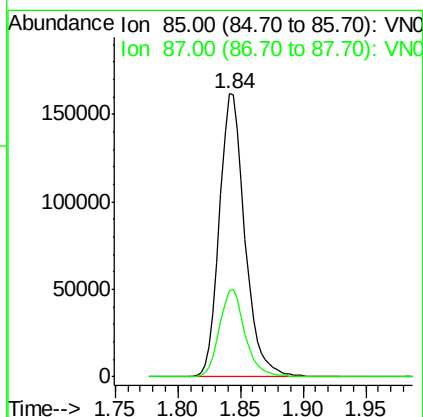
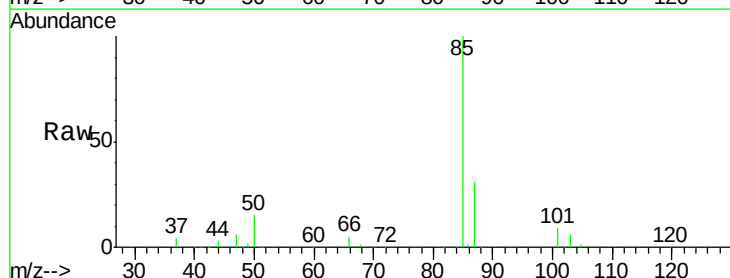
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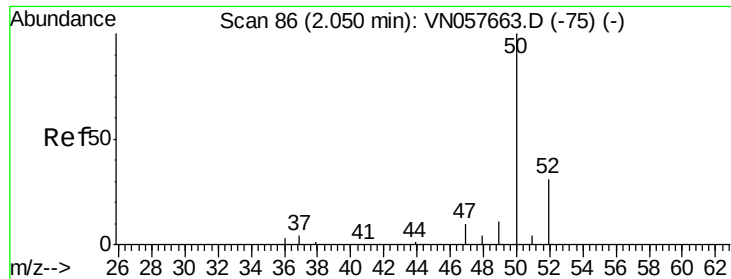
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#2
Dichlorodifluoromethane
Concen: 67.269 ug/l
RT: 1.84 min Scan# 21
Delta R.T. -0.00 min
Lab File: VN057664.D
Acq: 3 Sep 2019 15:36

Tgt Ion	Ratio	Lower	Upper
85	100		
87	30.6	16.6	49.7





#3

Chloromethane

Concen: 71.852 ug/l

RT: 2.05 min Scan# 85

Delta R.T. -0.00 min

Lab File: VN057664.D

Acq: 3 Sep 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 50 Resp: 229656

Ion Ratio Lower Upper

50 100

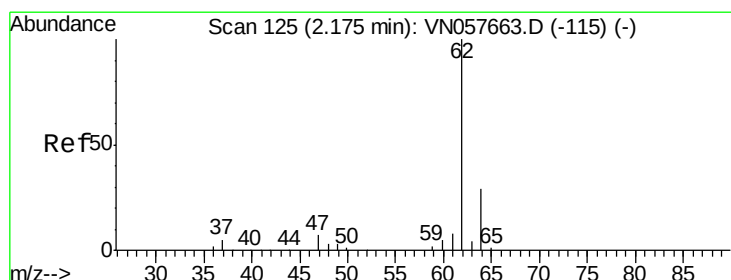
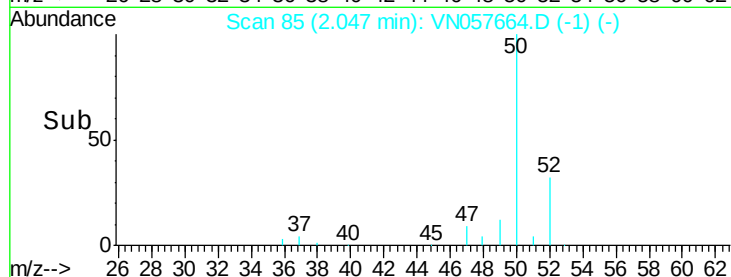
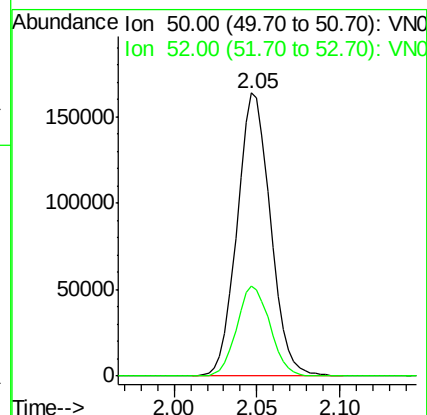
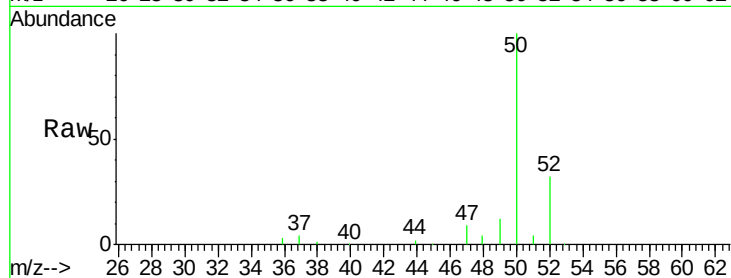
52 31.8 25.2 37.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 43.816 ug/l

RT: 2.18 min Scan# 125

Delta R.T. -0.00 min

Lab File: VN057664.D

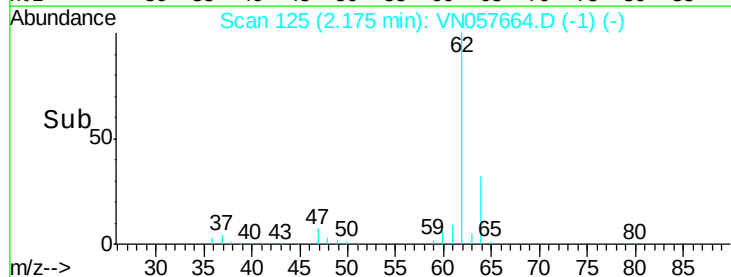
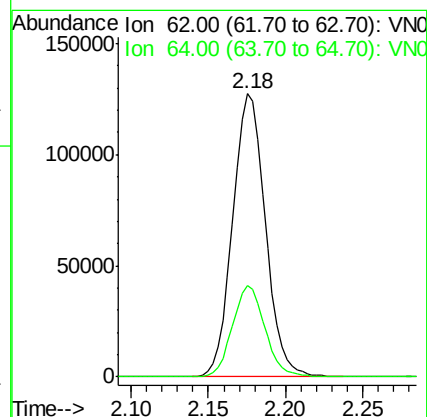
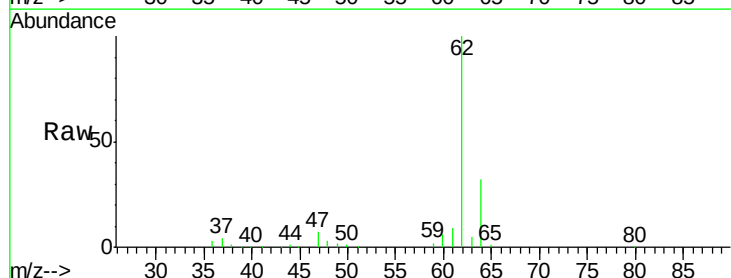
Acq: 3 Sep 2019 15:36

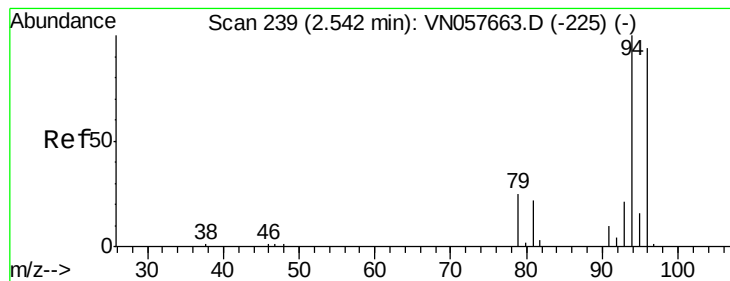
Tgt Ion: 62 Resp: 186902

Ion Ratio Lower Upper

62 100

64 32.4 23.2 34.8





#5

Bromomethane

Concen: 30.581 ug/l m

RT: 2.52 min Scan# 233

Delta R.T. -0.02 min

Lab File: VN057664.D

Acq: 3 Sep 2019 15:36

Tot Ion: 94 Resp: 113793

Ion Ratio Lower Upper

94 100

96 92.1 75.6 113.4

Instrument :

MSVOA_N

ClientSampleId :

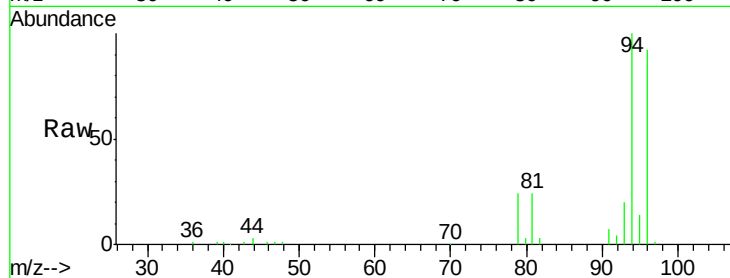
VSTDIC050

Manual Integrations

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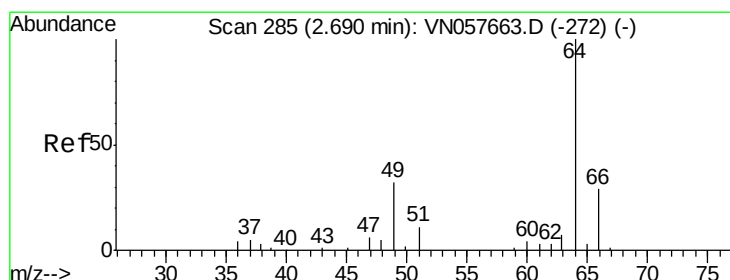
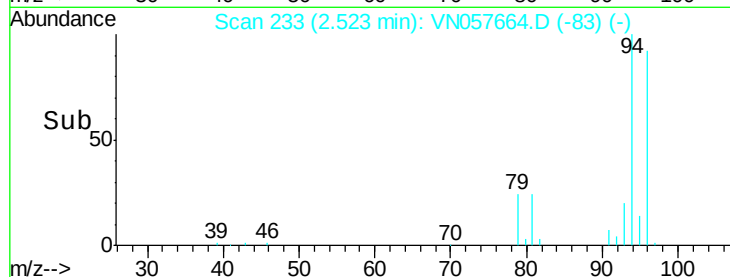
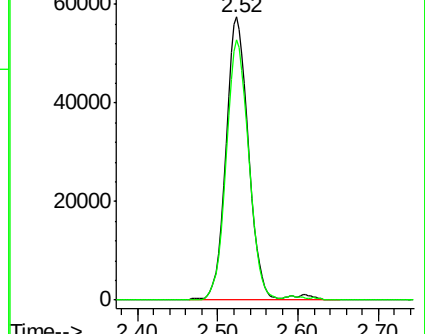
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 47.229 ug/l m

RT: 2.68 min Scan# 282

Delta R.T. -0.01 min

Lab File: VN057664.D

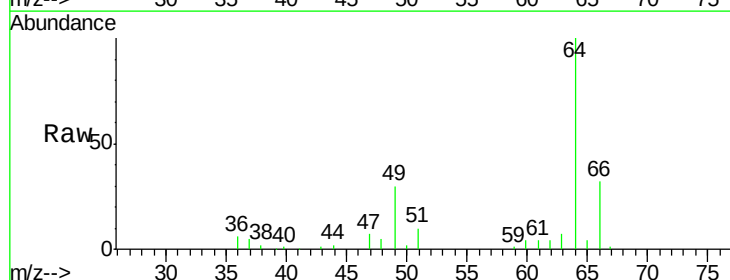
Acq: 3 Sep 2019 15:36

Tgt Ion: 64 Resp: 137334

Ion Ratio Lower Upper

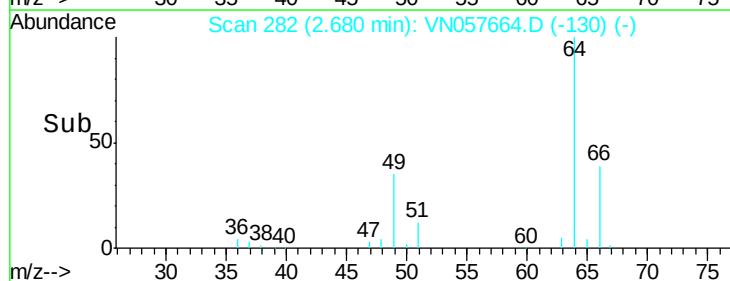
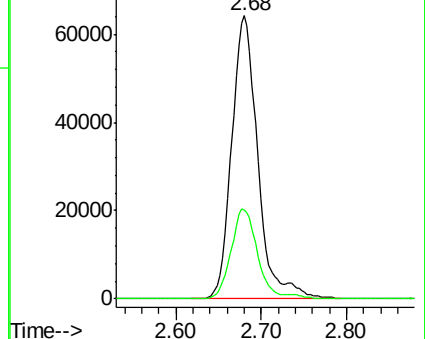
64 100

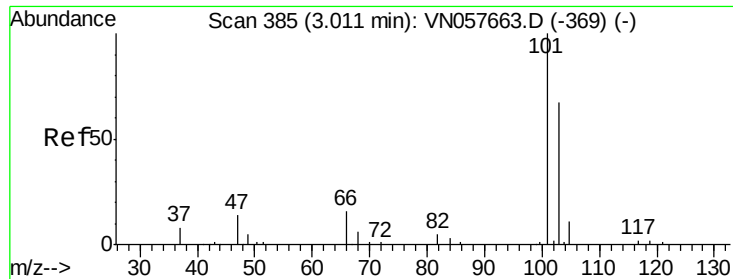
66 31.6 23.5 35.3



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

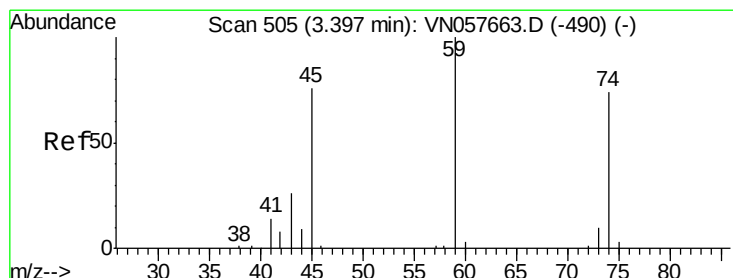
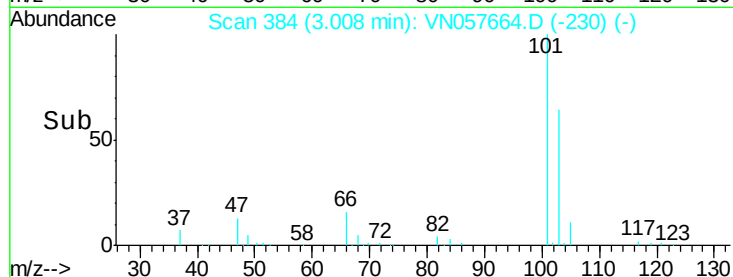
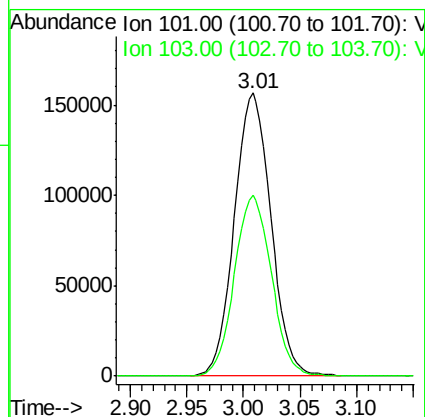
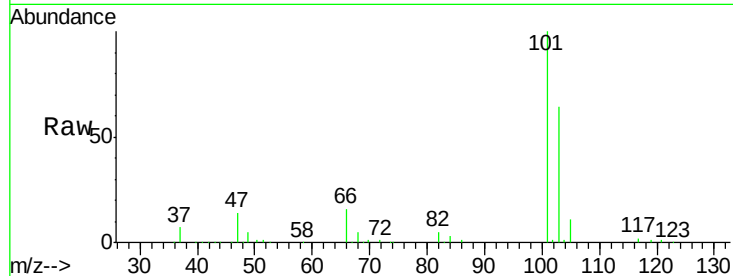
Trichlorofluoromethane
 Concen: 38.982 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VN057664.D
 Acq: 3 Sep 2019 15:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion:101 Resp: 353677
 Ion Ratio Lower Upper
 101 100
 103 63.9 53.6 80.4

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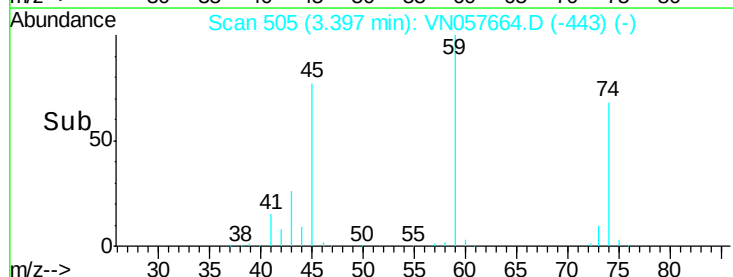
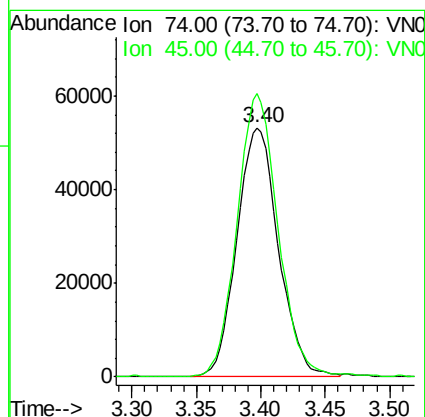
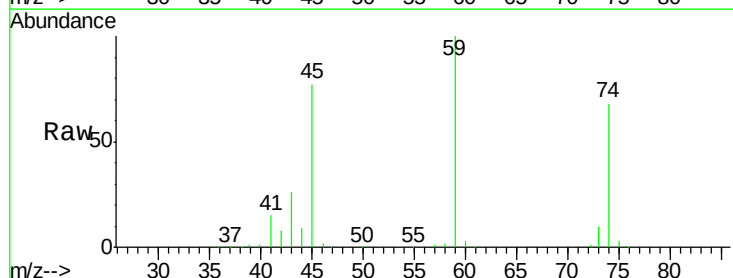
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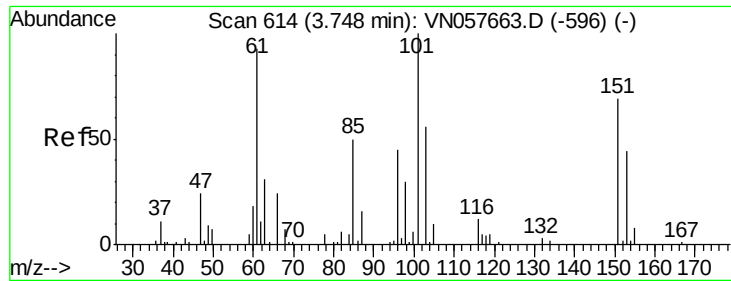


#8

Diethyl Ether
 Concen: 40.600 ug/l
 RT: 3.40 min Scan# 505
 Delta R.T. -0.00 min
 Lab File: VN057664.D
 Acq: 3 Sep 2019 15:36

Tgt Ion: 74 Resp: 119602
 Ion Ratio Lower Upper
 74 100
 45 111.5 22.9 205.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 35.957 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN057664.D

Acq: 3 Sep 2019 15:36

Instrument :

MSVOA_N

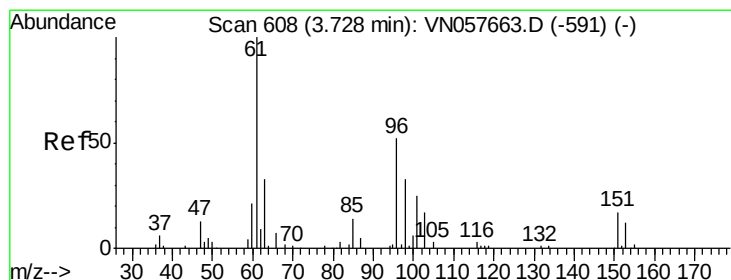
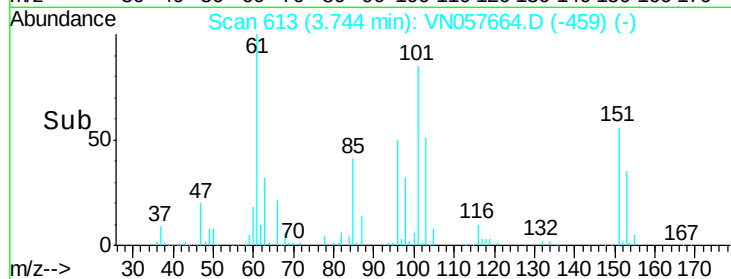
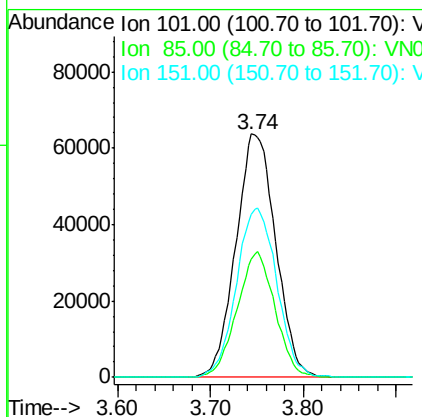
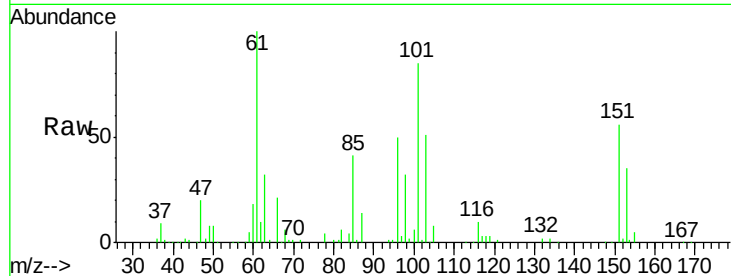
ClientSampled :

VSTDIC050

Tot Ion:	101	Resp:	190509
Ion Ratio	Lower	Upper	
101	100		
85	49.0	0.0	100.2
151	70.2	0.0	140.6

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 35.113 ug/l

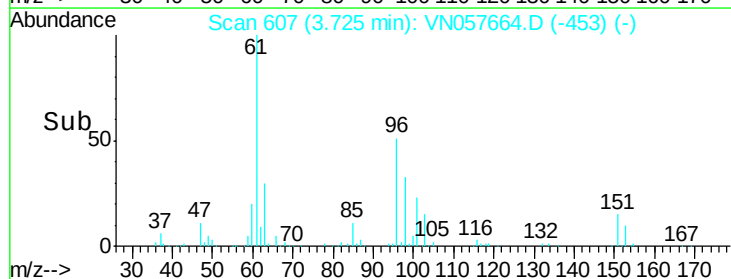
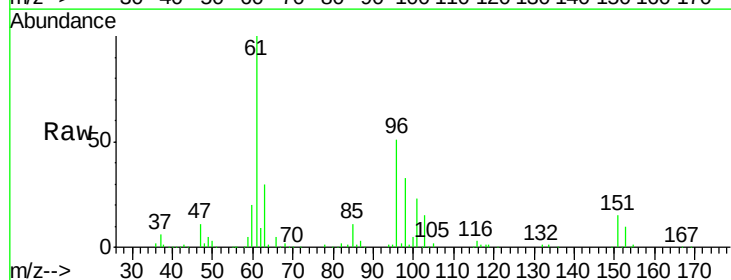
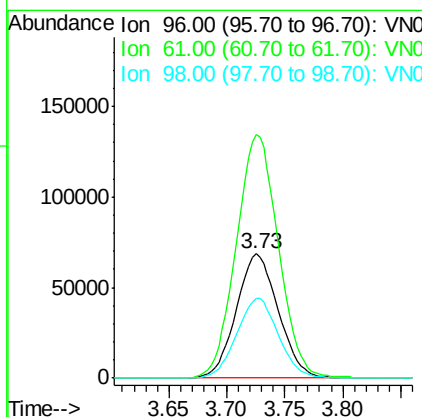
RT: 3.73 min Scan# 607

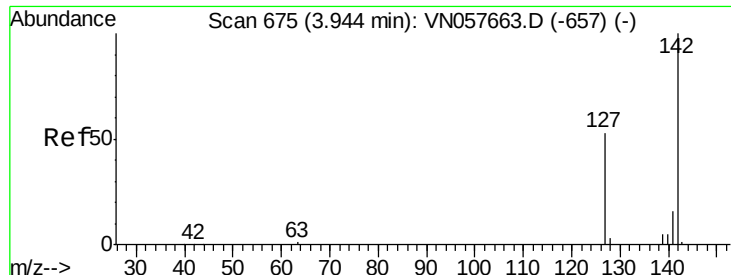
Delta R.T. -0.00 min

Lab File: VN057664.D

Acq: 3 Sep 2019 15:36

Tgt Ion:	96	Resp:	172457
Ion Ratio	Lower	Upper	
96	100		
61	196.2	152.9	229.3
98	64.5	51.0	76.4





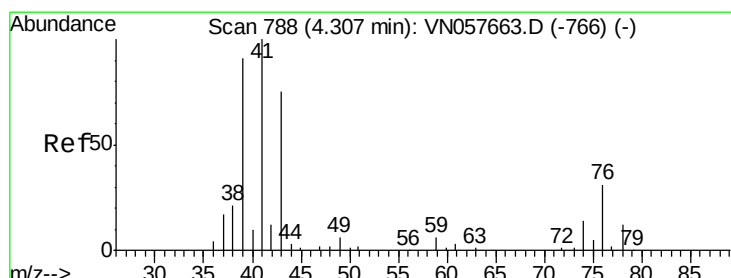
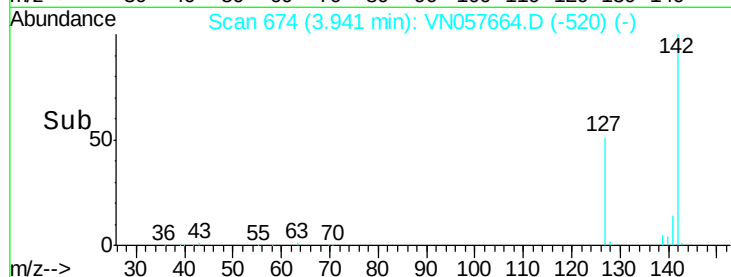
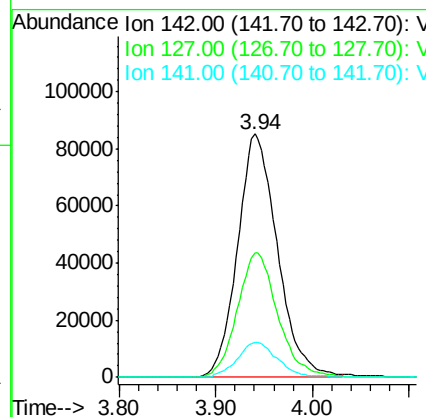
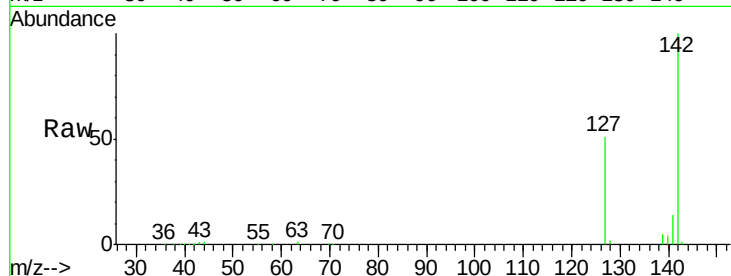
#11
Methyl Iodide
Concen: 29.595 ug/l
RT: 3.94 min Scan# 674
Delta R.T. -0.00 min
Lab File: VN057664.D
Acq: 3 Sep 2019 15:36

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
142	100		
127	51.0	26.2	78.5
141	14.4	7.6	22.9

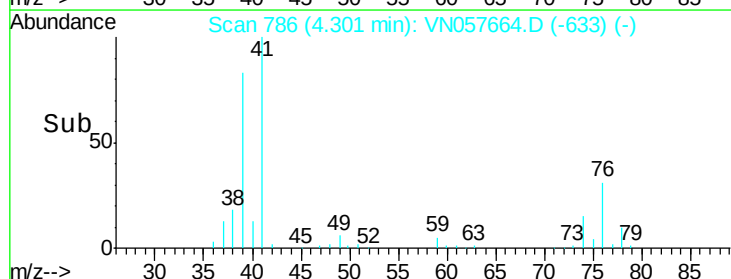
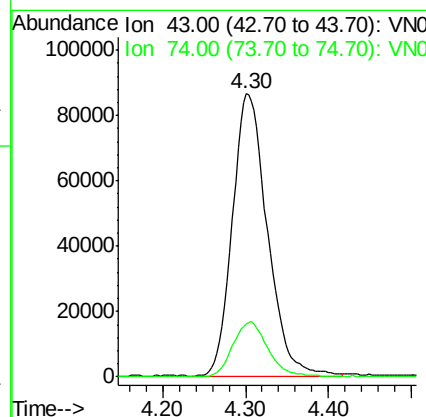
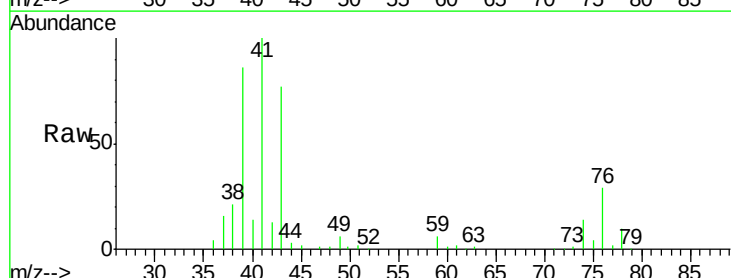
Manual Integrations
APPROVED

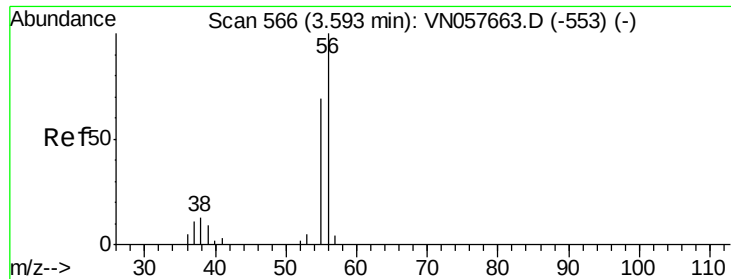
MMDadoda
9/5/2019 3:20:59 PM



#12
Methyl Acetate
Concen: 75.858 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.01 min
Lab File: VN057664.D
Acq: 3 Sep 2019 15:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.7	14.6	22.0





#13

Acrolein

Concen: 199.297 ug/l

RT: 3.59 min Scan# 565

Delta R.T. -0.00 min

Lab File: VN057664.D

Acq: 3 Sep 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 56 Resp: 70992

Ion Ratio Lower Upper

56 100

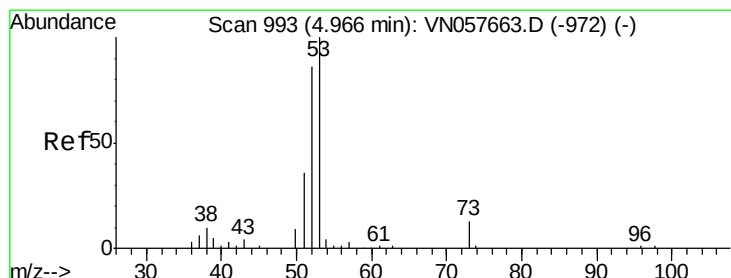
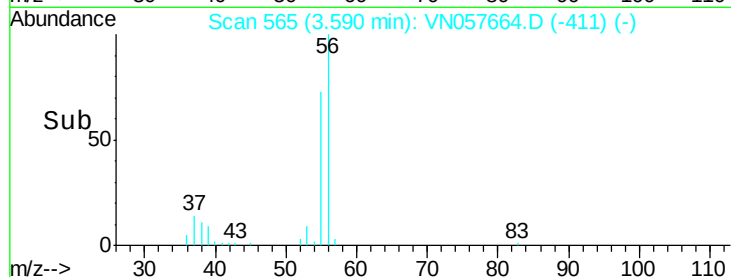
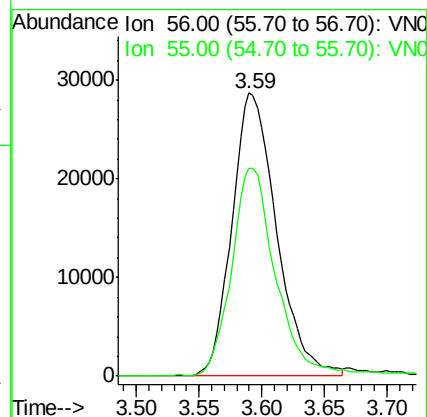
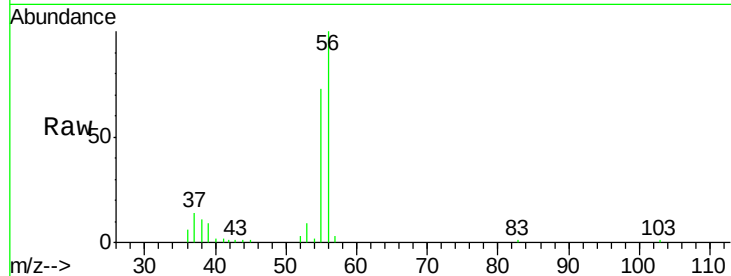
55 71.6 54.2 81.4

Manual Integrations

APPROVED

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9/5/2019 3:20:59 PM



#14

Acrylonitrile

Concen: 362.483 ug/l

RT: 4.96 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN057664.D

Acq: 3 Sep 2019 15:36

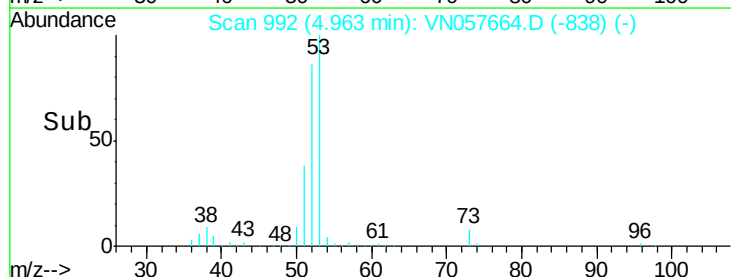
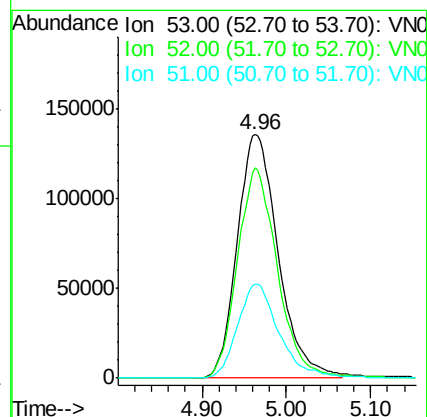
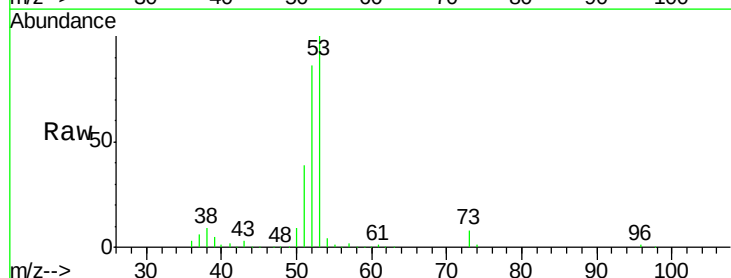
Tgt Ion: 53 Resp: 460198

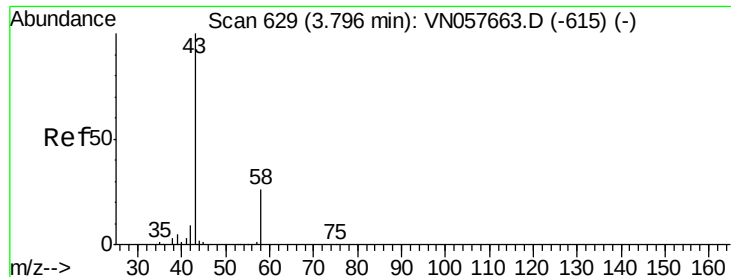
Ion Ratio Lower Upper

53 100

52 83.9 41.9 125.7

51 37.6 19.4 58.2





#15

Acetone

Concen: 221.937 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN057664.D

Acq: 3 Sep 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 58 Resp: 127714

Ion Ratio Lower Upper

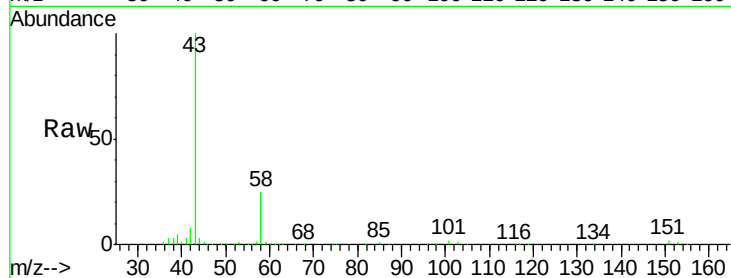
58 100

43 399.5 308.8 463.2

Manual Integrations
APPROVED

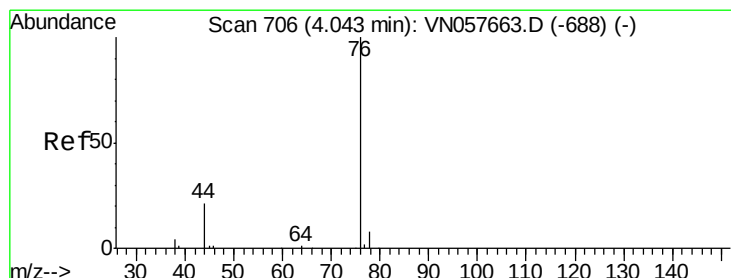
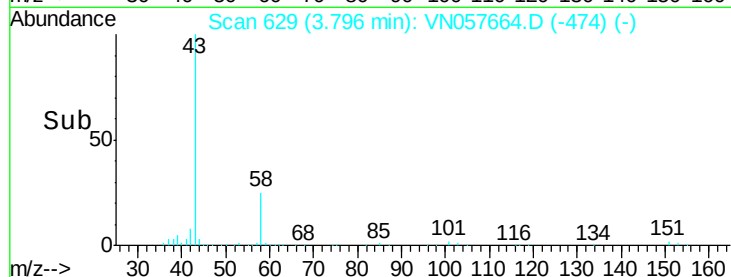
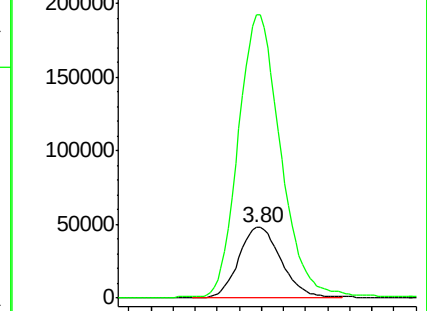
MMDadoda

9/5/2019 3:20:59 PM



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 70.786 ug/l

RT: 4.04 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN057664.D

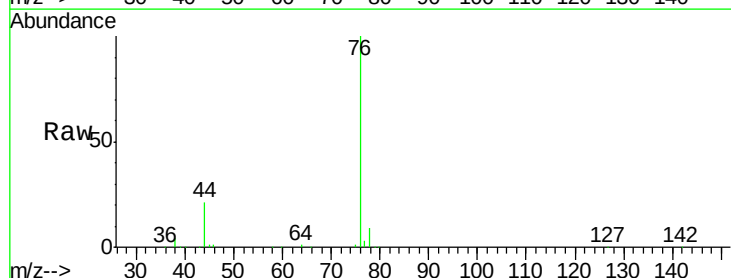
Acq: 3 Sep 2019 15:36

Tgt Ion: 76 Resp: 431475

Ion Ratio Lower Upper

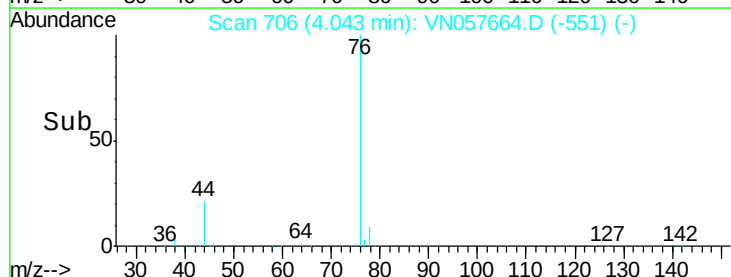
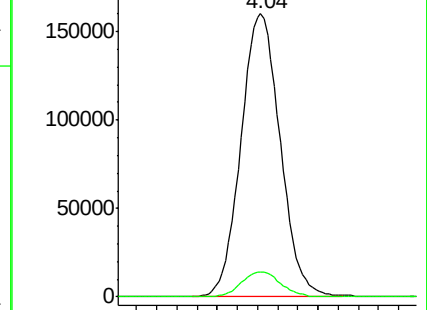
76 100

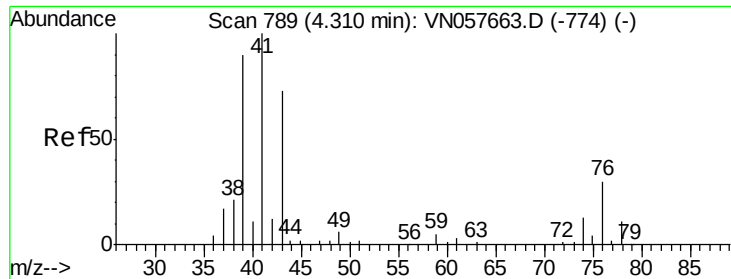
78 8.9 6.8 10.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





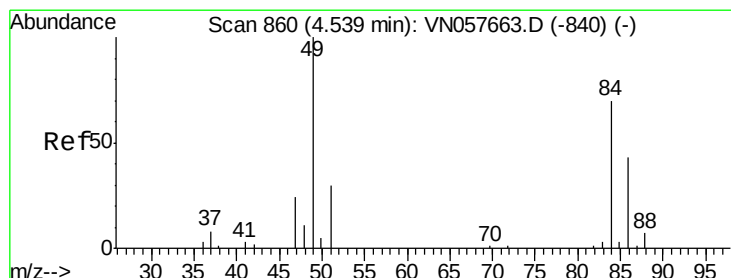
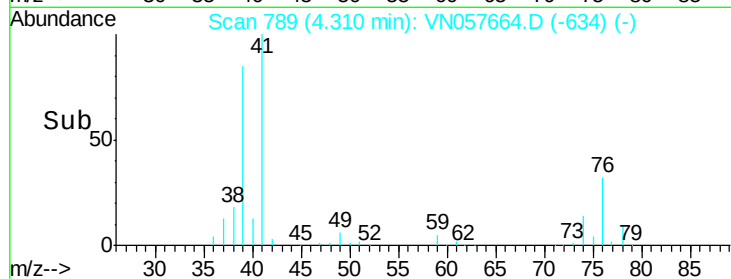
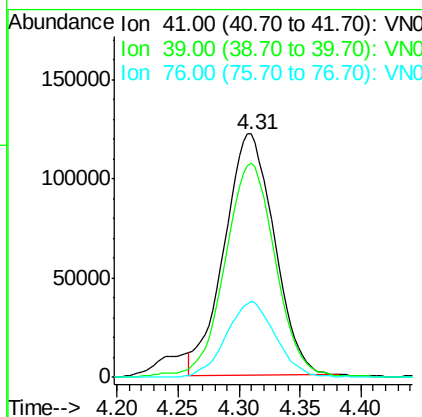
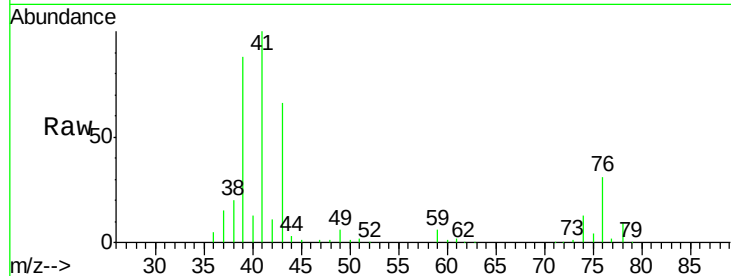
#17
Allvl chloride
Concen: 79.175 ug/l
RT: 4.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN057664.D
Acq: 3 Sep 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion:	41	Resp:	347558
Ion	Ratio	Lower	Upper
41	100		
39	87.8	43.0	128.8
76	31.0	14.2	42.8

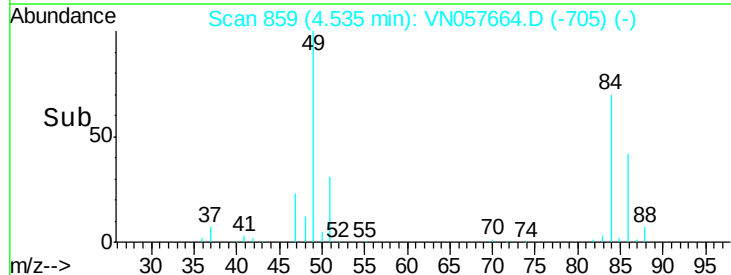
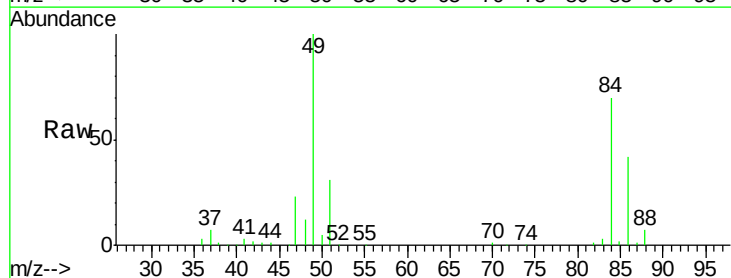
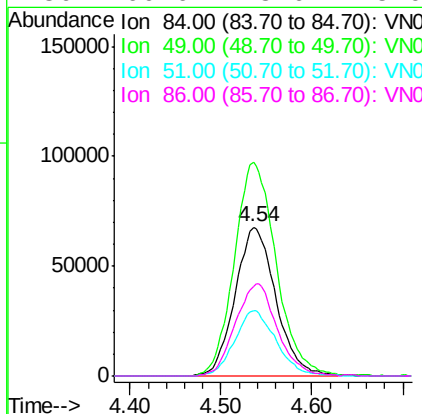
Manual Integrations
APPROVED

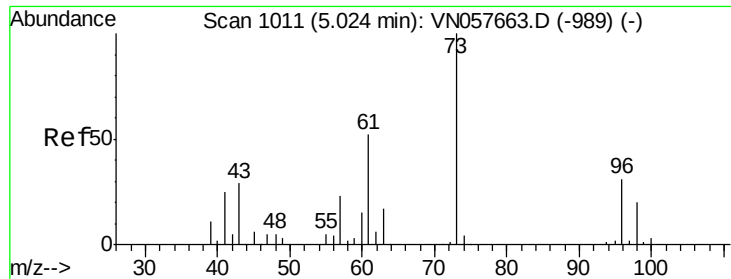
MMDadoda
9/5/2019 3:20:59 PM



#18
Methylene Chloride
Concen: 64.163 ug/l
RT: 4.54 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN057664.D
Acq: 3 Sep 2019 15:36

Tgt Ion:	84	Resp:	210867
Ion	Ratio	Lower	Upper
84	100		
49	143.7	113.7	170.5
51	44.3	34.5	51.7
86	60.6	48.6	73.0





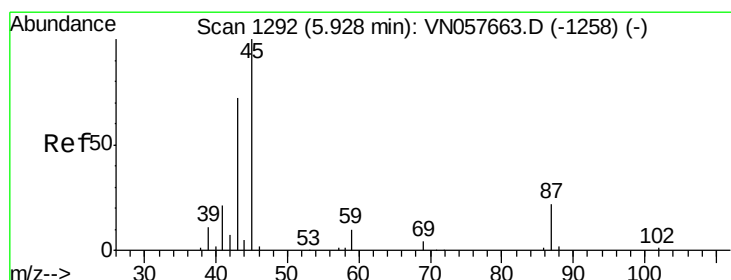
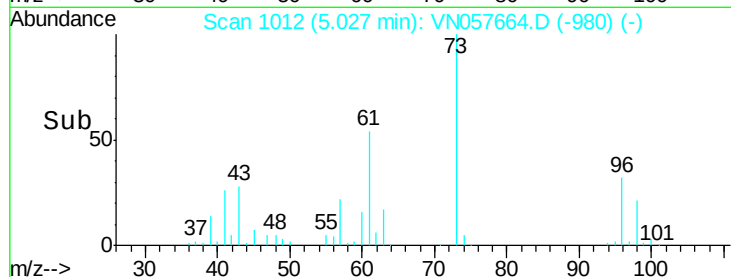
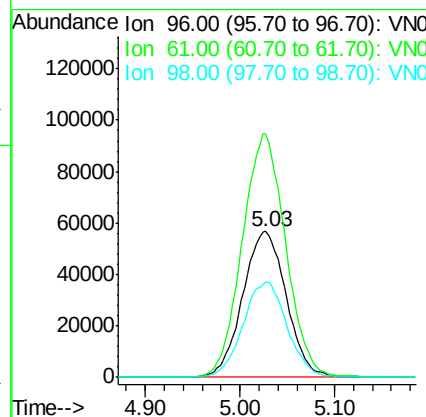
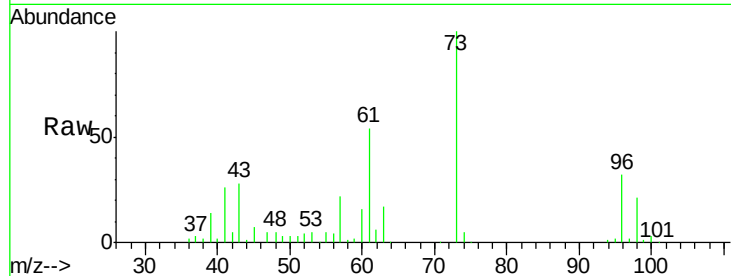
#19
trans-1,2-Dichloroethene
Concen: 57.226 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN057664.D
Acq: 3 Sep 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	166.5	133.4	200.0
98	65.3	50.4	75.6

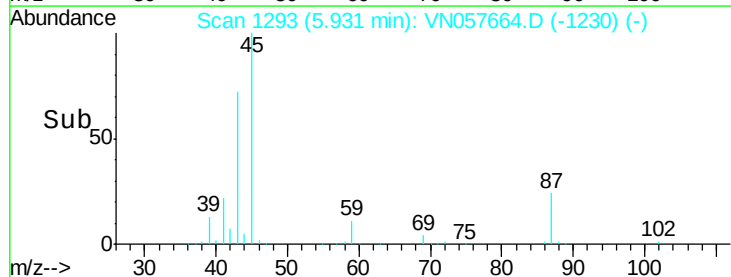
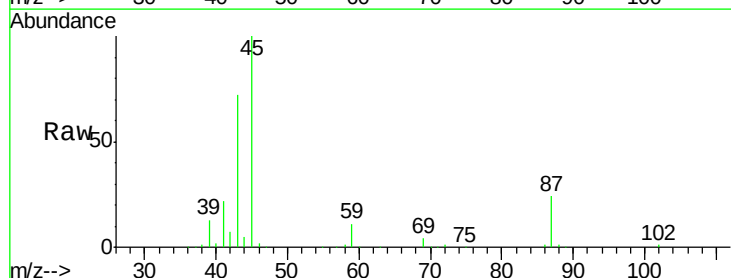
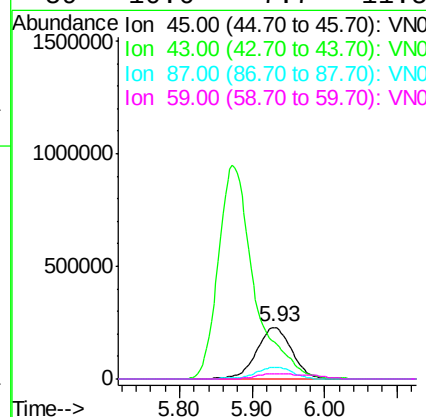
Manual Integrations
APPROVED

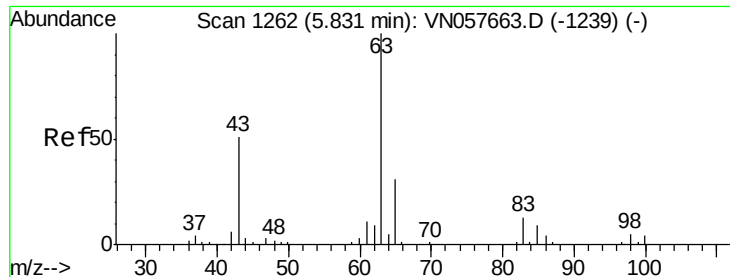
MMDadoda
9/5/2019 3:20:59 PM



#20
Diisopropyl ether
Concen: 74.160 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN057664.D
Acq: 3 Sep 2019 15:36

Tgt Ion	Ratio	Lower	Upper
45	100		
43	70.2	58.3	87.5
87	23.4	18.5	27.7
59	10.6	7.7	11.5





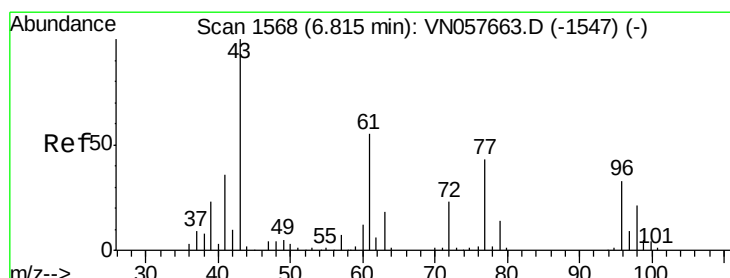
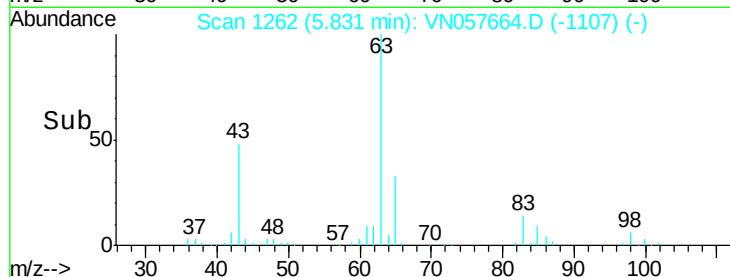
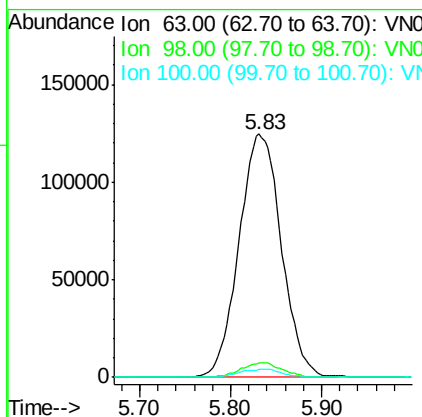
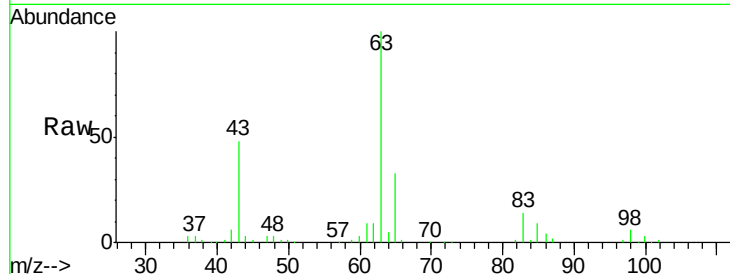
#21
 1,1-Dichloroethane
 Concen: 64.356 ug/l
 RT: 5.83 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VN057664.D
 Acq: 3 Sep 2019 15:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
63	100	402401		
98	5.8	2.6	7.8	
100	3.2	1.8	5.5	

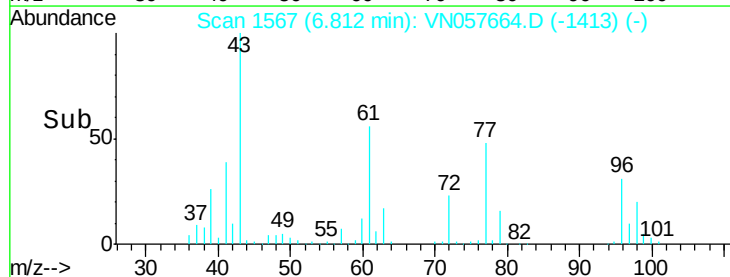
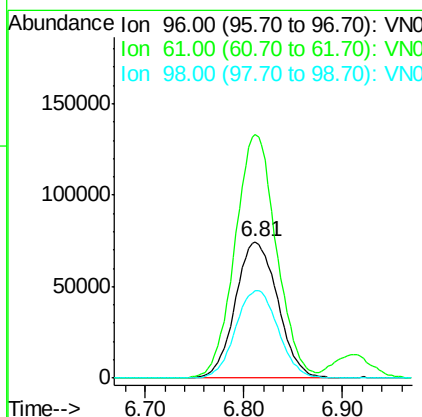
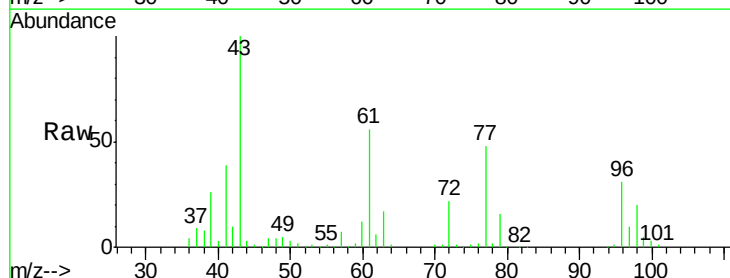
Manual Integrations
 APPROVED

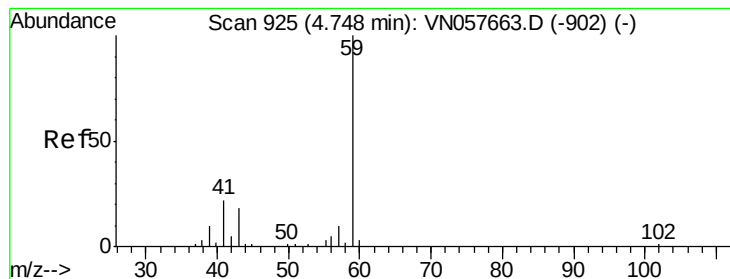
MMDadoda
 9/5/2019 3:20:59 PM



#22
 cis-1,2-Dichloroethene
 Concen: 53.105 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN057664.D
 Acq: 3 Sep 2019 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	222422		
61	173.9	137.2	205.8	
98	64.4	50.5	75.7	





#23

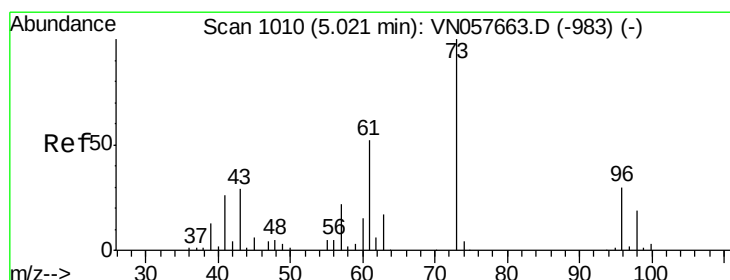
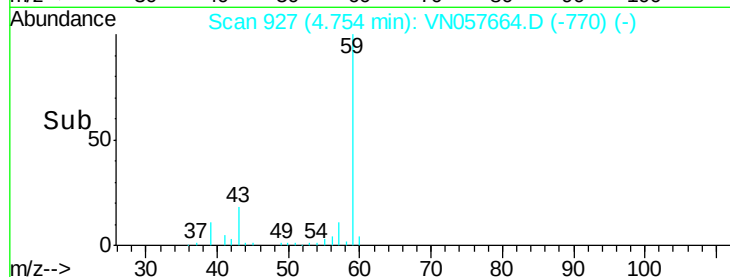
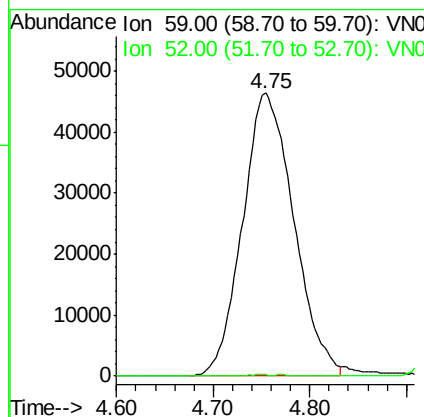
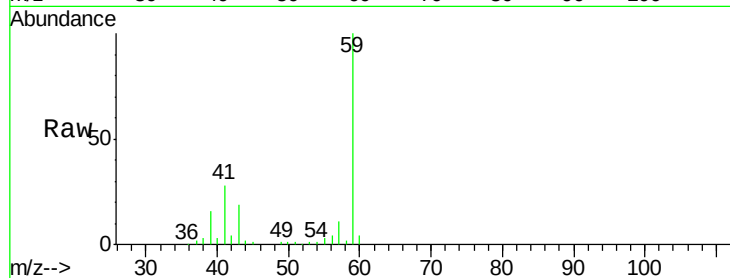
tert-Butyl Alcohol
 Concen: 370.212 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. 0.01 min
 Lab File: VN057664.D
 Acq: 3 Sep 2019 15:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.0	0.0#

Manual Integrations
 APPROVED

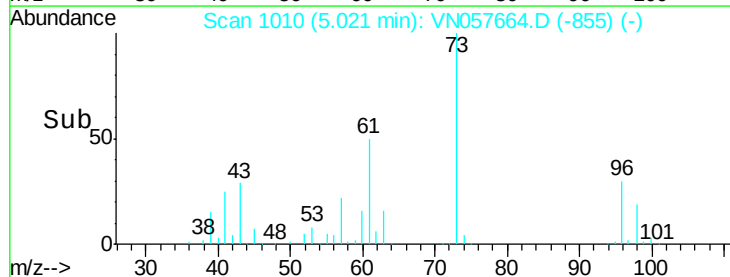
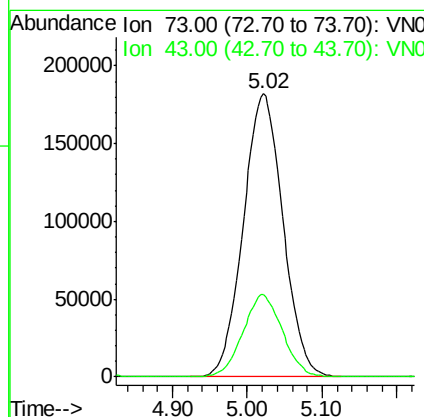
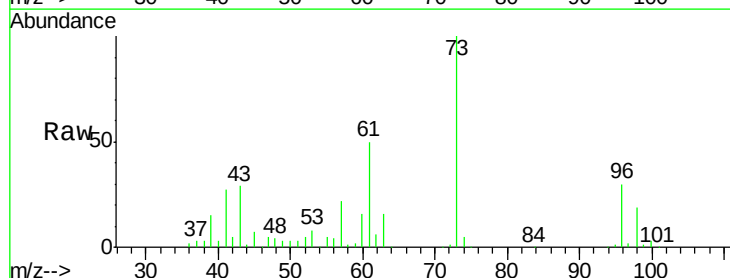
MMDadoda
 9/5/2019 3:20:59 PM

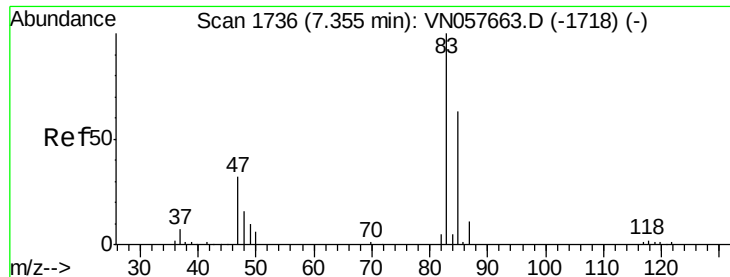


#24

Methyl tert-Butyl Ether
 Concen: 63.417 ug/l
 RT: 5.02 min Scan# 1010
 Delta R.T. -0.00 min
 Lab File: VN057664.D
 Acq: 3 Sep 2019 15:36

Tgt Ion	Ratio	Lower	Upper
73	100		
43	28.6	23.2	34.8





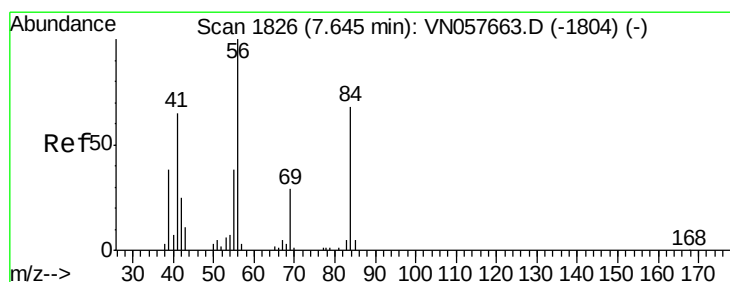
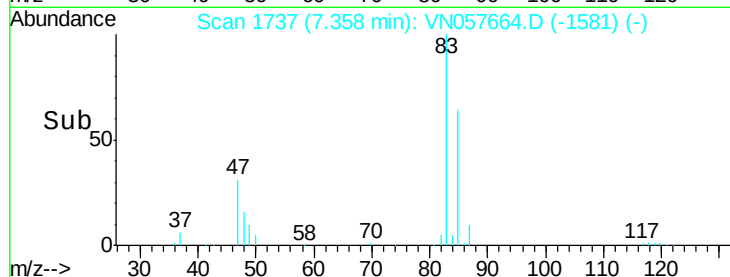
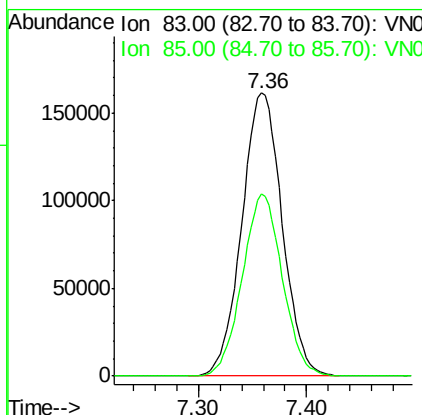
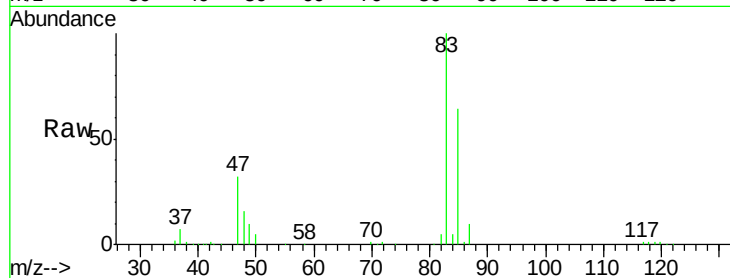
#25
Chloroform
Concen: 57.291 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057664.D
Acq: 3 Sep 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	83	Resp	420569
Ion Ratio	100	Lower	Upper
83	100		
85	64.3	50.8	76.2

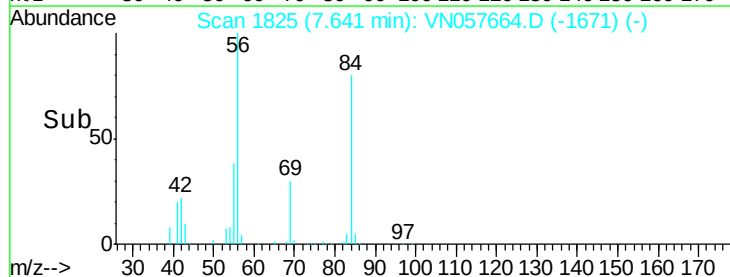
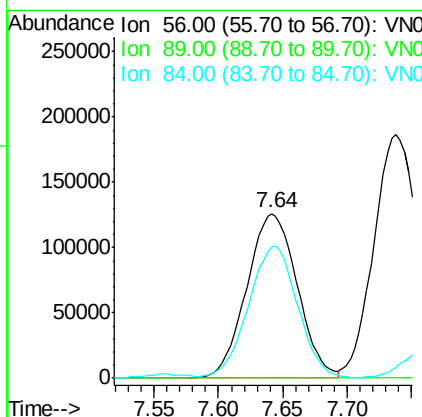
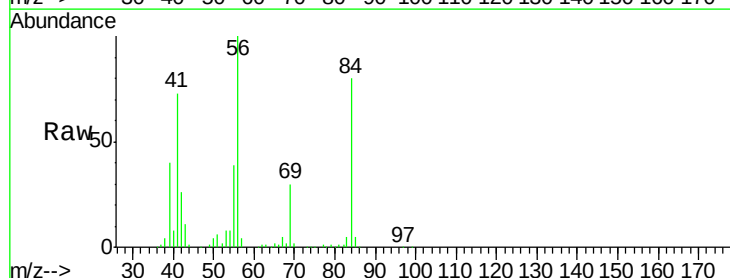
Manual Integrations
APPROVED

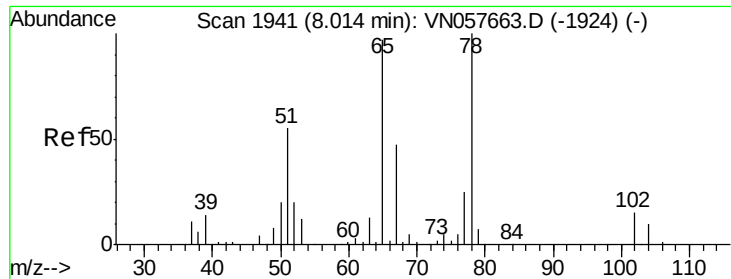
MMDadoda
9/5/2019 3:20:59 PM



#26
Cyclohexane
Concen: 65.769 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.00 min
Lab File: VN057664.D
Acq: 3 Sep 2019 15:36

Tgt Ion	56	Resp	343214
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	78.4	60.4	90.6





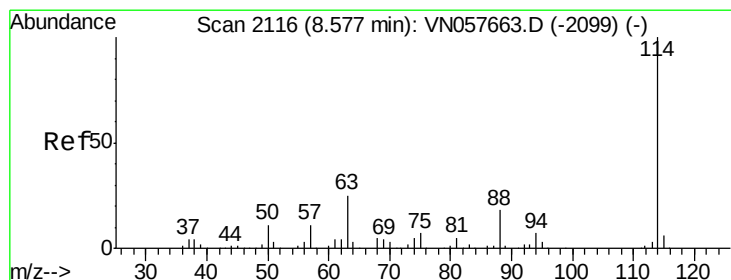
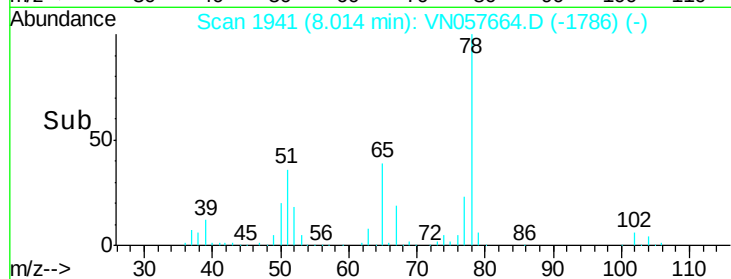
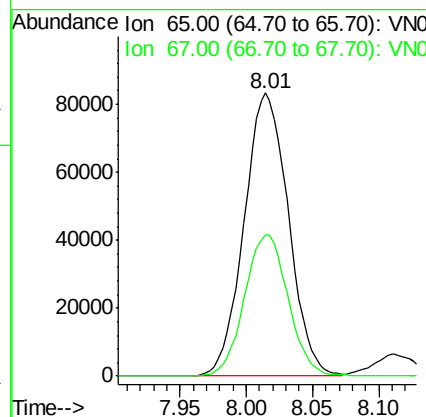
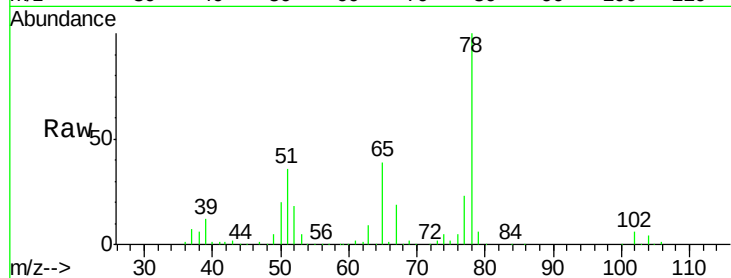
#27
 1,2-Dichloroethane-d4
 Concen: 38.462 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. -0.00 min
 Lab File: VN057664.D
 Acq: 3 Sep 2019 15:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	49.1	38.6	57.8

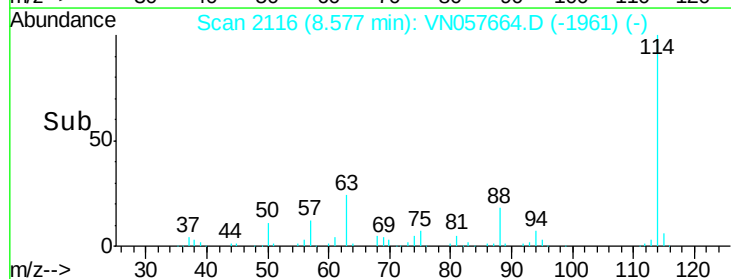
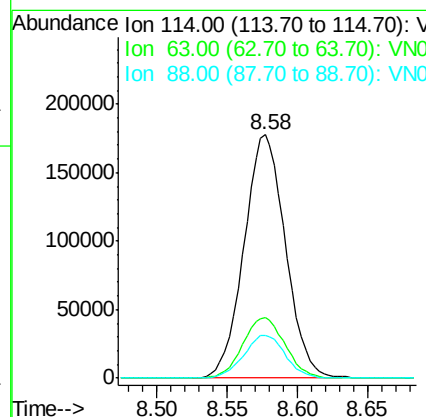
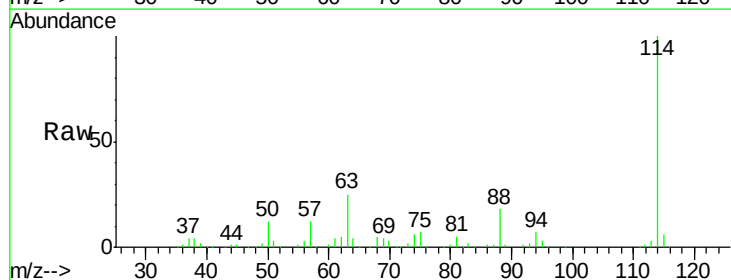
Manual Integrations
 APPROVED

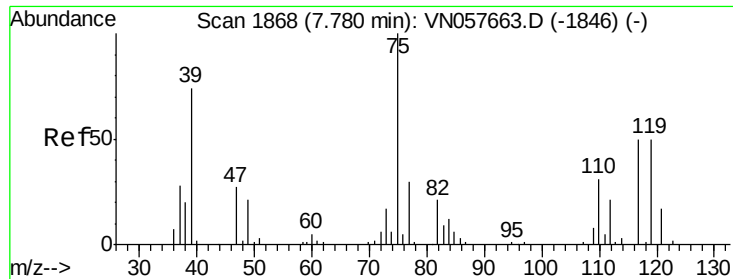
MMDadoda
 9/5/2019 3:20:59 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. -0.00 min
 Lab File: VN057664.D
 Acq: 3 Sep 2019 15:36

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.4	20.6	30.8
88	17.8	14.3	21.5





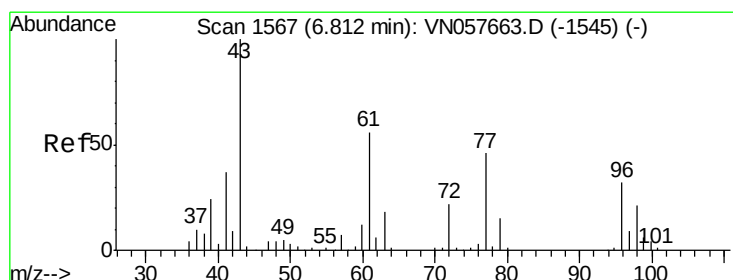
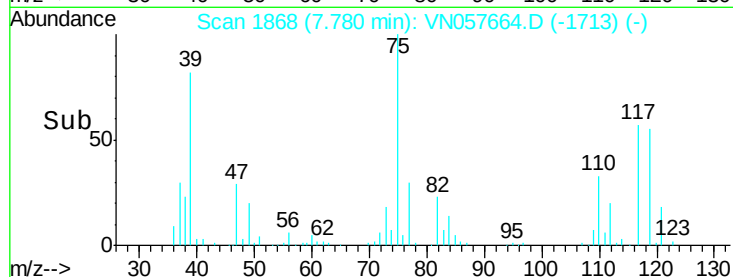
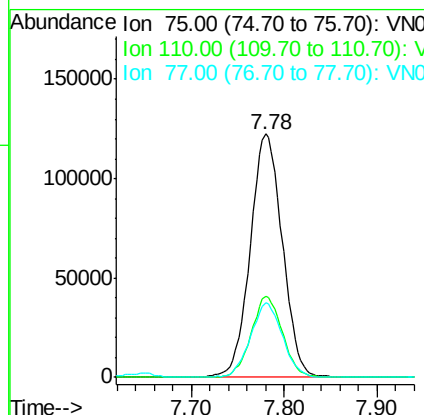
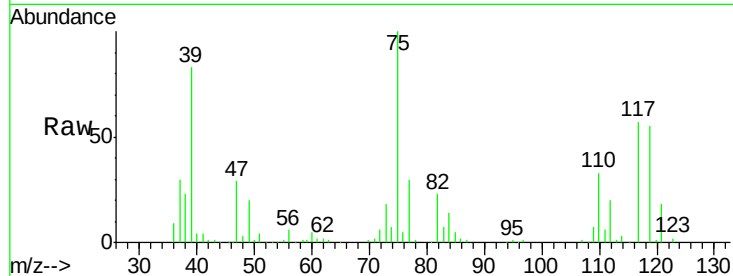
#29
 1,1-Dichloropropene
 Concen: 58.062 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VN057664.D
 Acq: 3 Sep 2019 15:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	32.4	0.0	62.8
77	30.4	0.0	57.8

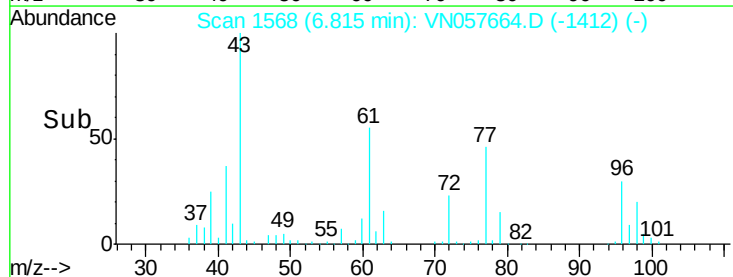
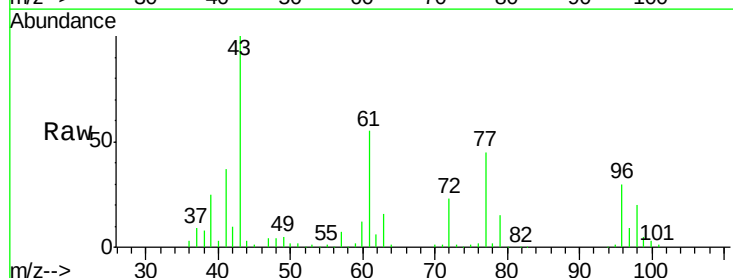
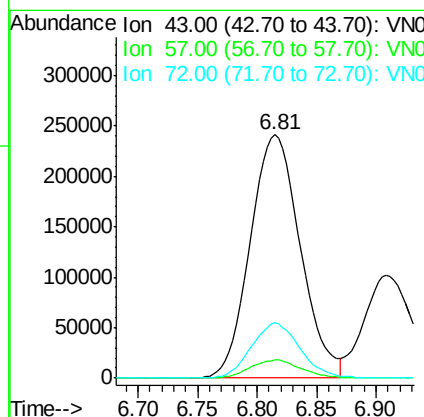
Manual Integrations
 APPROVED

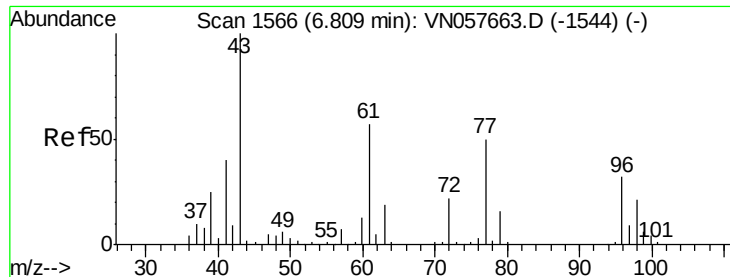
MMDadoda
 9/5/2019 3:20:59 PM



#30
 2-Butanone
 Concen: 391.803 ug/l
 RT: 6.81 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN057664.D
 Acq: 3 Sep 2019 15:36

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.6	2.6	3.8#
72	22.1	18.1	27.1





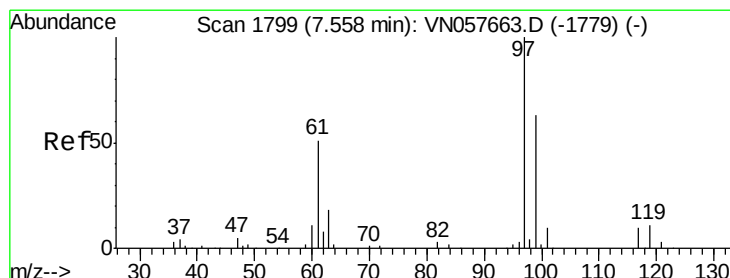
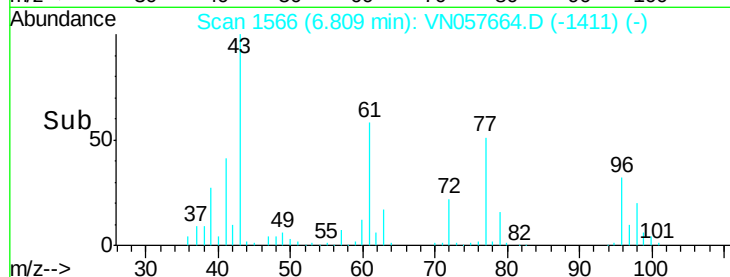
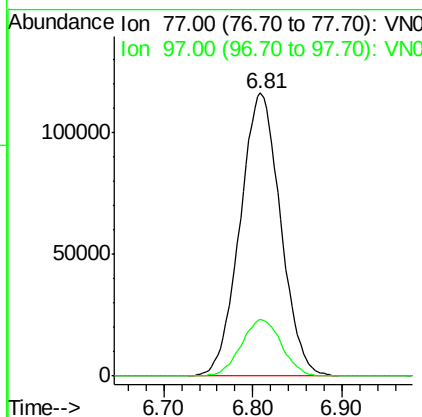
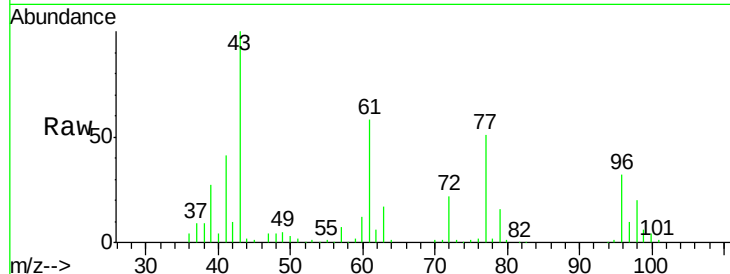
#31
 2,2-Dichloropropane
 Concen: 60.309 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN057664.D
 Acq: 3 Sep 2019 15:36

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
77	100		
97	19.9	8.8	13.2#

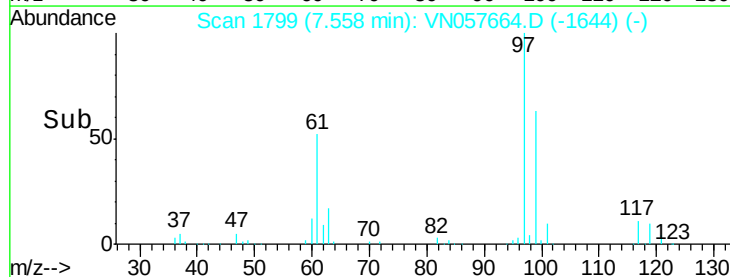
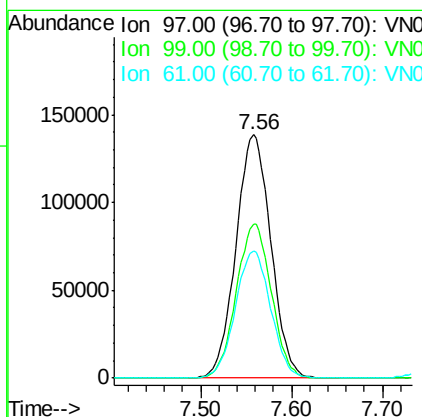
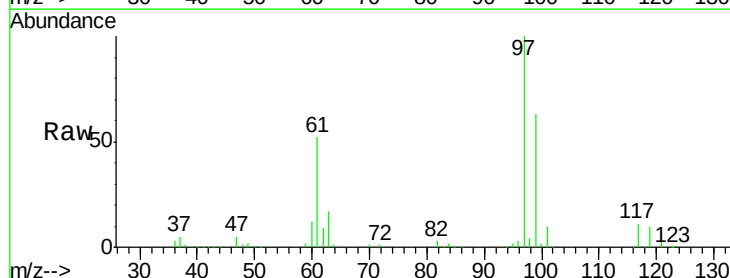
Manual Integrations
 APPROVED

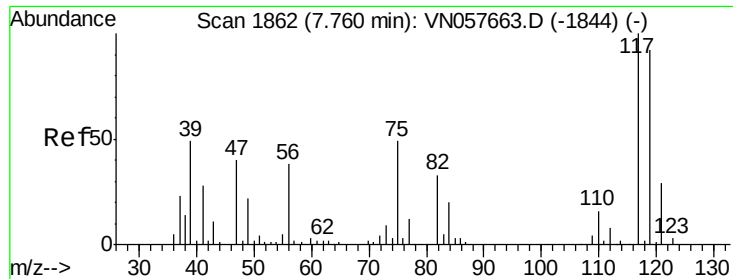
MMDadoda
 9/5/2019 3:20:59 PM



#32
 1,1,1-Trichloroethane
 Concen: 55.479 ug/l
 RT: 7.56 min Scan# 1799
 Delta R.T. -0.00 min
 Lab File: VN057664.D
 Acq: 3 Sep 2019 15:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.9	77.9
61	52.9	41.4	62.0





#33

Carbon Tetrachloride

Concen: 53.309 ug/l

RT: 7.76 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VN057664.D

Acq: 3 Sep 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:117 Resp: 298967
Ion Ratio Lower Upper

117 100

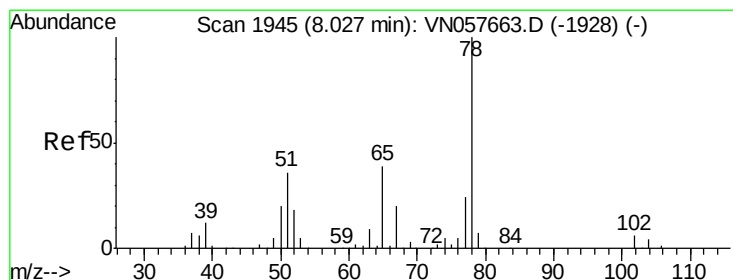
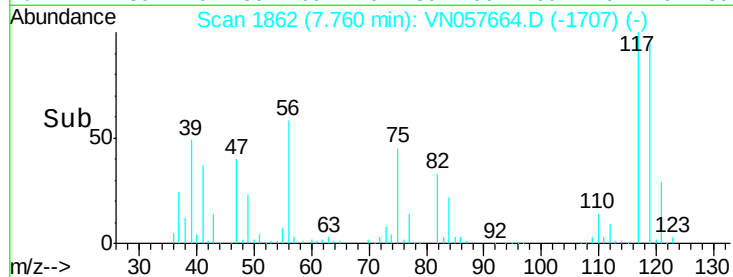
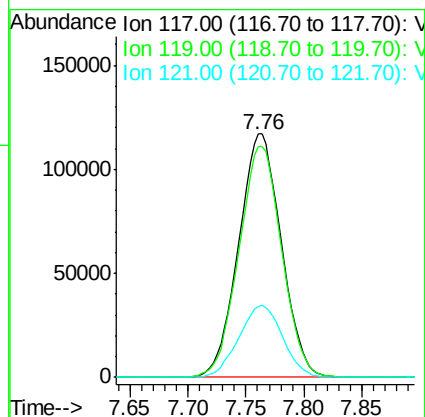
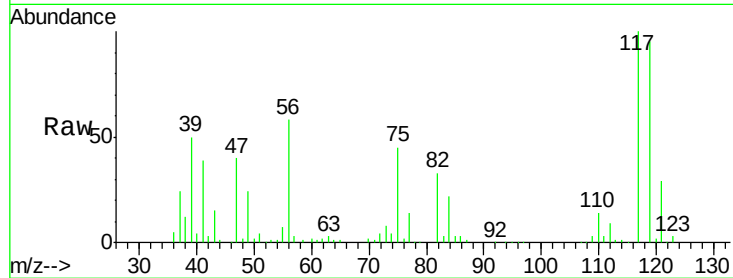
119 94.7 73.3 109.9

121 29.3 23.3 34.9

Manual Integrations
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#34

Benzene

Concen: 56.362 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN057664.D

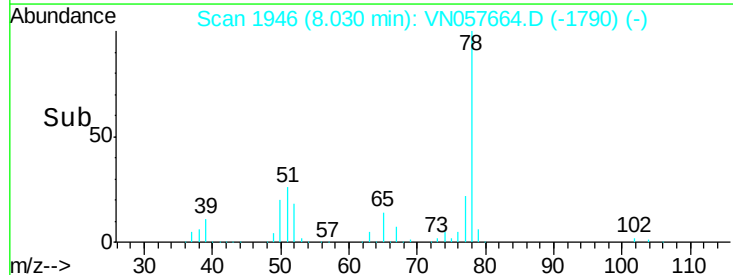
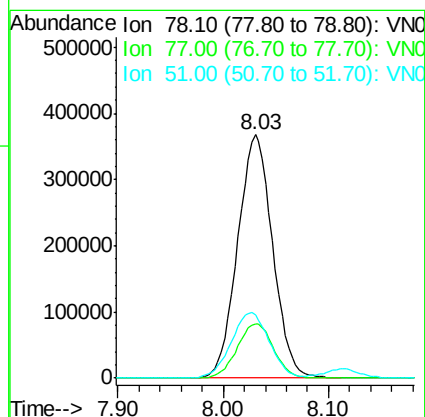
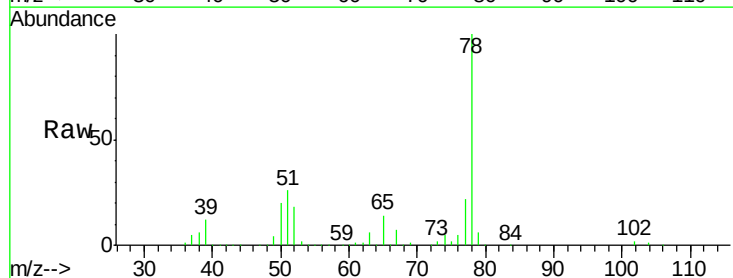
Acq: 3 Sep 2019 15:36

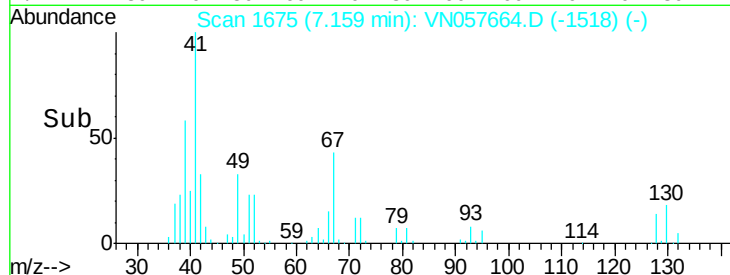
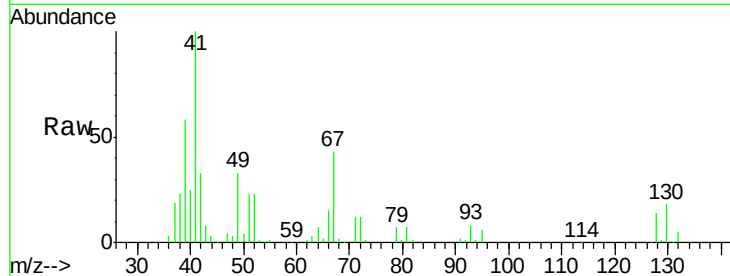
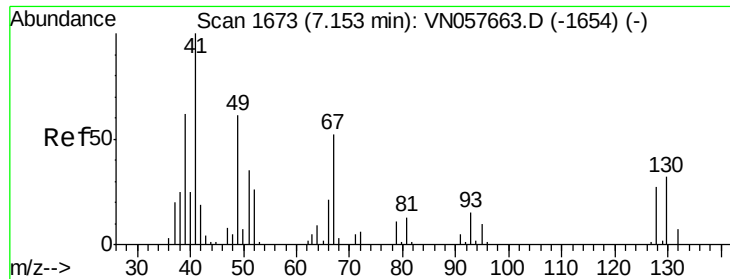
Tgt Ion: 78 Resp: 849576
Ion Ratio Lower Upper

78 100

77 22.3 18.8 28.2

51 26.0 29.0 43.6#





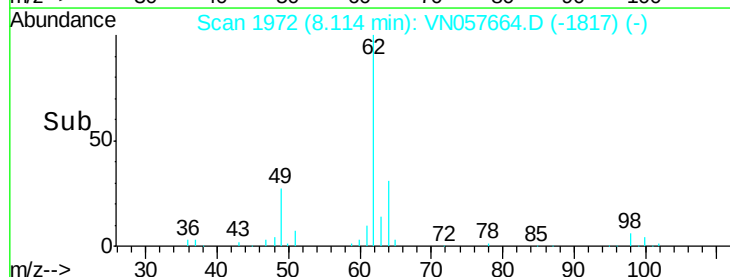
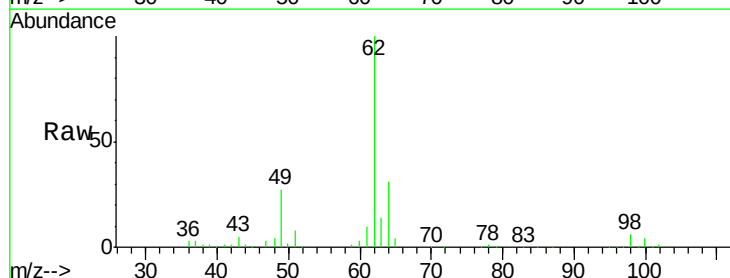
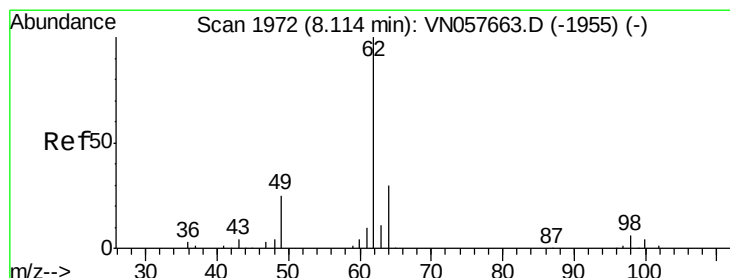
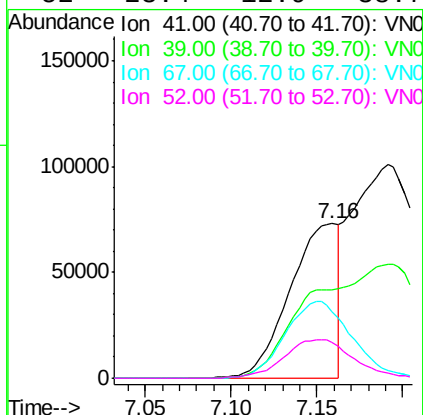
#35
Methacrylonitrile
Concen: 83.809 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. 0.01 min
Lab File: VN057664.D
Acq: 3 Sep 2019 15:36

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	41	100	143399		
39	39	57.4		31.0	93.0
67	67	43.5		25.9	77.7
52	52	23.4		12.9	38.7

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

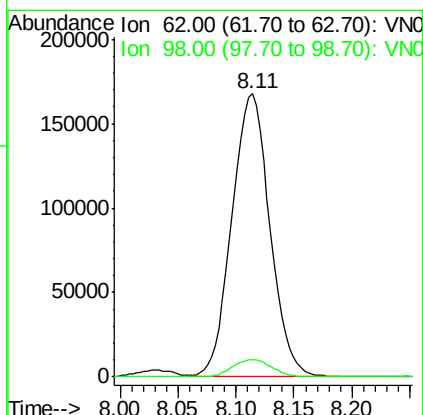
Manual Integrations
APPROVED

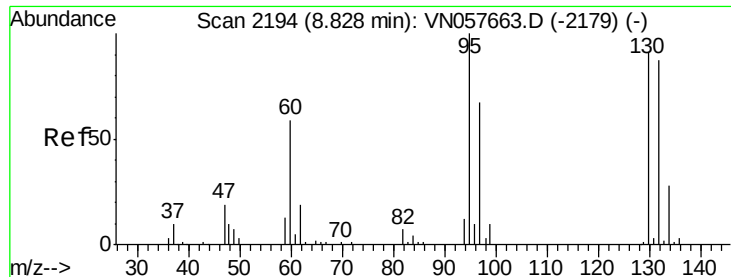
MMDadoda
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#36
1,2-Dichloroethane
Concen: 66.182 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VN057664.D
Acq: 3 Sep 2019 15:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	62	100	380027		
98	98	6.3		0.0	0.0#





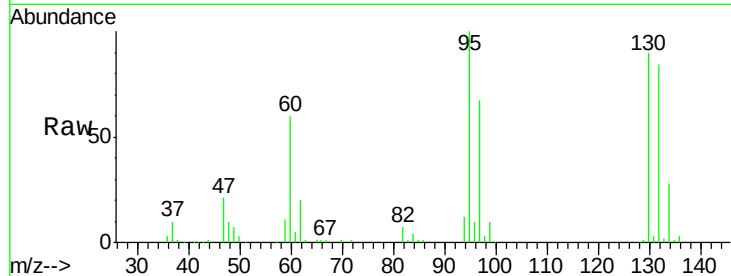
#37
 Trichloroethene
 Concen: 48.251 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VN057664.D
 Acq: 3 Sep 2019 15:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

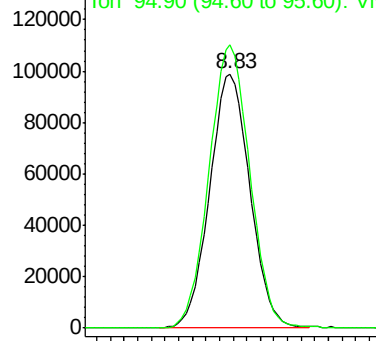
Tot Ion:130 Resp: 202524
 Ion Ratio Lower Upper
 130 100
 95 111.3 87.5 131.3

Manual Integrations
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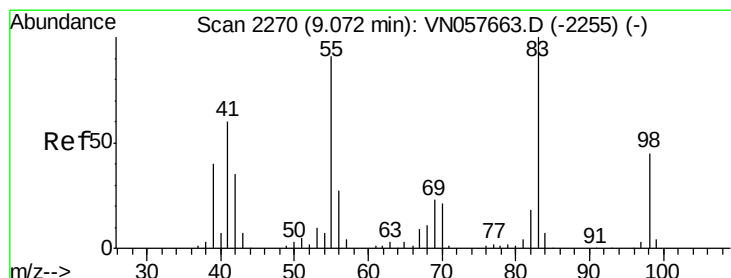
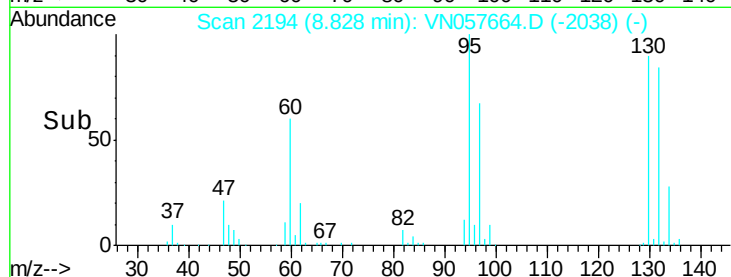
MMDadoda
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Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

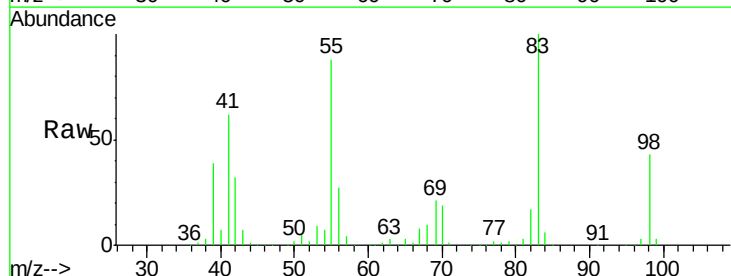


Time-->

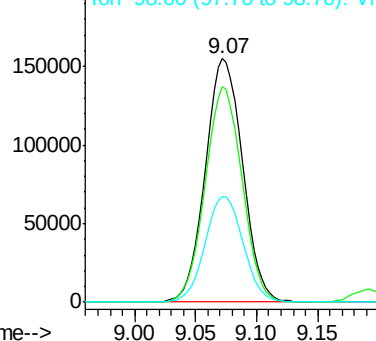


#38
 Methylcyclohexane
 Concen: 54.474 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VN057664.D
 Acq: 3 Sep 2019 15:36

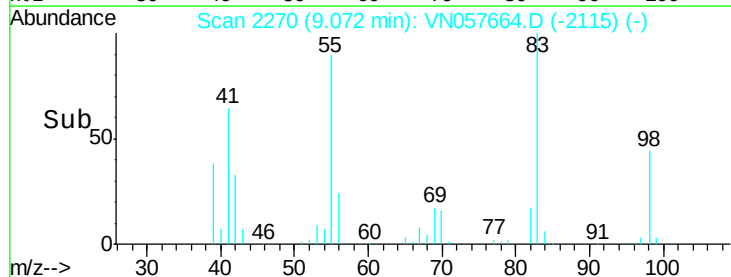
Tgt Ion: 83 Resp: 328119
 Ion Ratio Lower Upper
 83 100
 55 87.6 45.1 135.3
 98 44.3 22.5 67.5

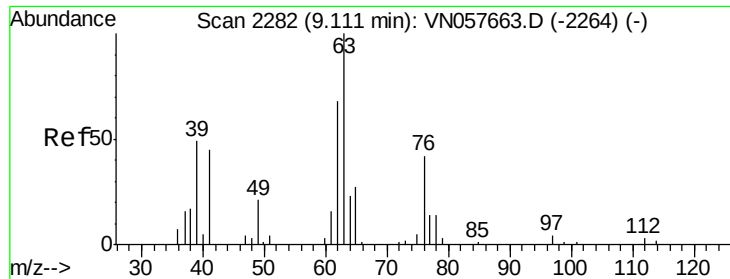


Abundance Ion 83.00 (82.70 to 83.70): VNO
 Ion 55.00 (54.70 to 55.70): VNO
 Ion 98.00 (97.70 to 98.70): VNO



Time-->





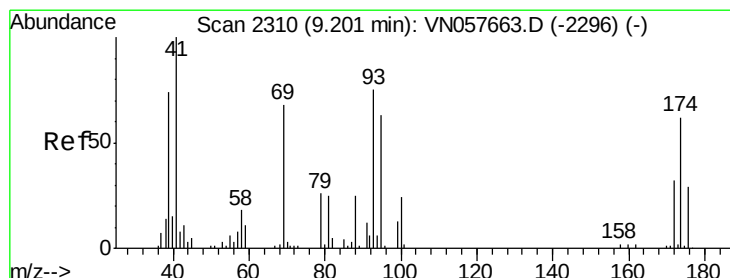
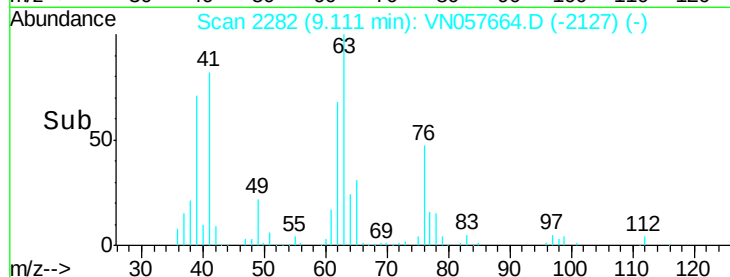
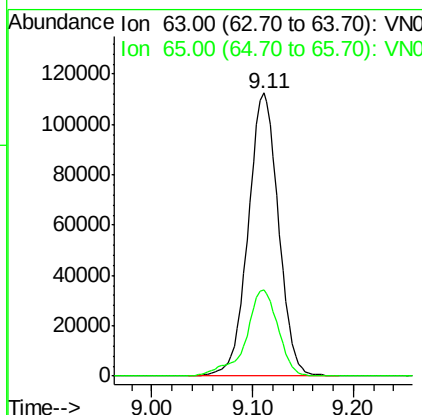
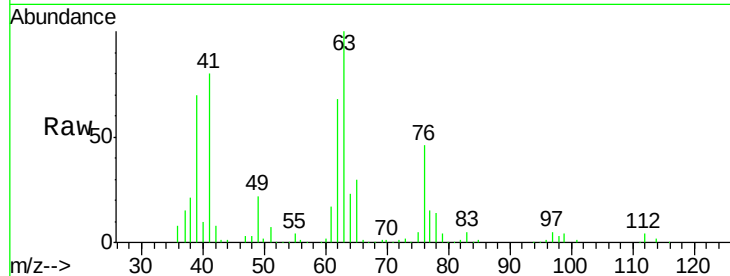
#39
 1,2-Dichloropropane
 Concen: 61.504 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN057664.D
 Acq: 3 Sep 2019 15:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.1	22.2	33.2

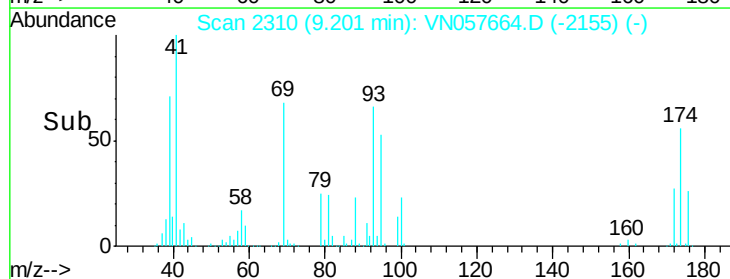
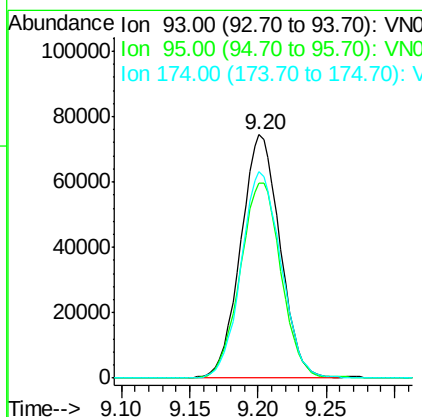
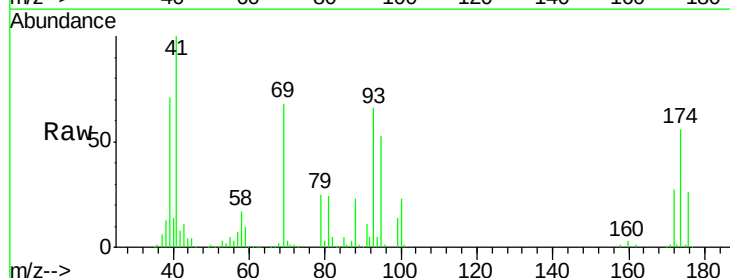
Manual Integrations
 APPROVED

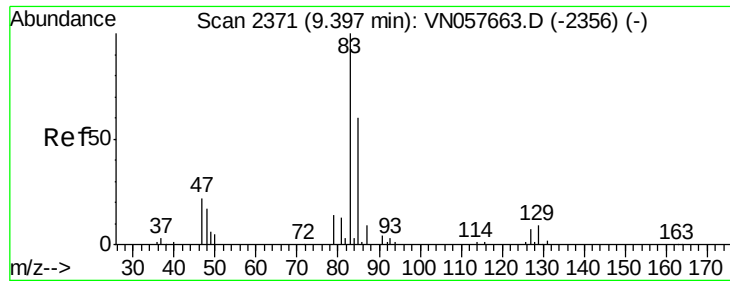
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#40
 Dibromomethane
 Concen: 53.355 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN057664.D
 Acq: 3 Sep 2019 15:36

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.0	0.0	168.2
174	86.1	0.0	169.2





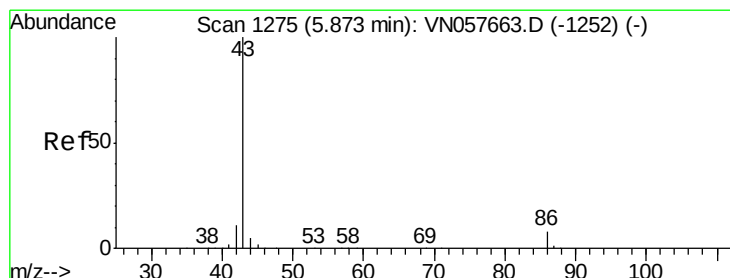
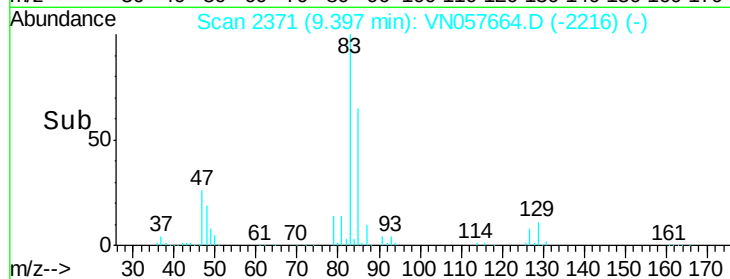
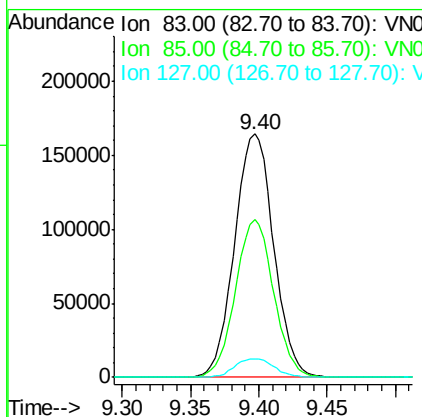
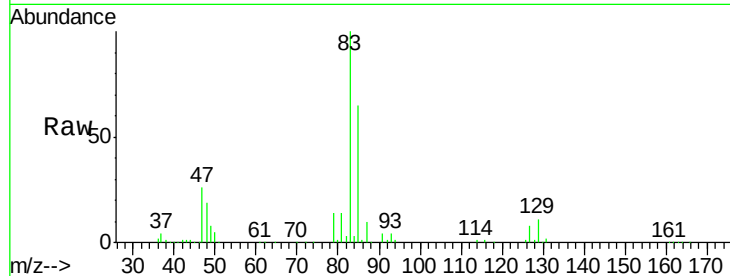
#41
Bromodichloromethane
Concen: 56.668 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. -0.00 min
Lab File: VN057664.D
Acq: 3 Sep 2019 15:36

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	83	Resp	327038
Ion Ratio	100	Lower	Upper
83	100		
85	64.6	48.2	72.4
127	7.7	5.3	7.9

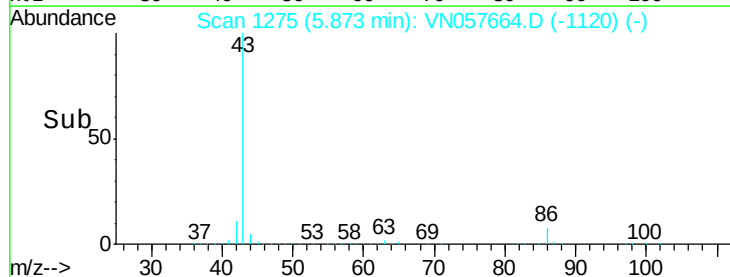
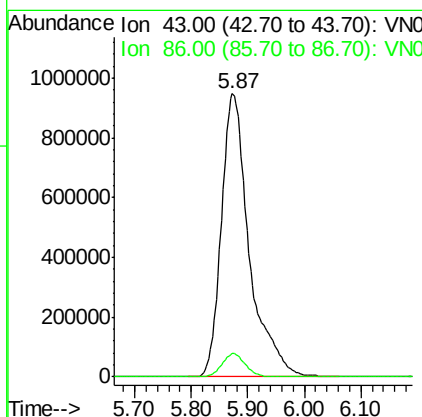
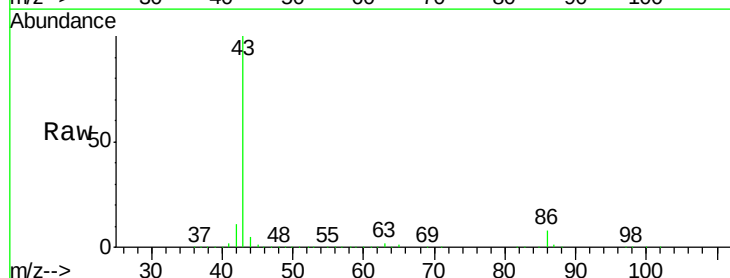
Manual Integrations
APPROVED

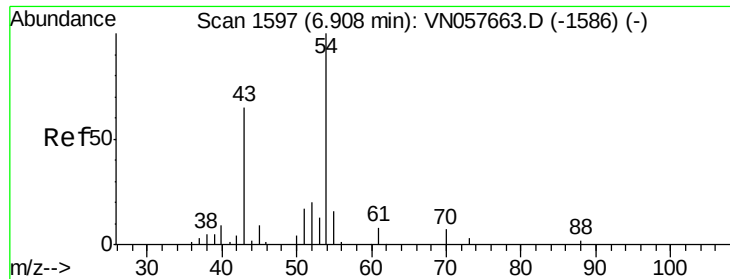
MMDadoda
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#42
Vinyl Acetate
Concen: 406.230 ug/l
RT: 5.87 min Scan# 1275
Delta R.T. -0.00 min
Lab File: VN057664.D
Acq: 3 Sep 2019 15:36

Tgt Ion	43	Resp	3259743
Ion Ratio	100	Lower	Upper
43	100		
86	6.9	5.4	8.2





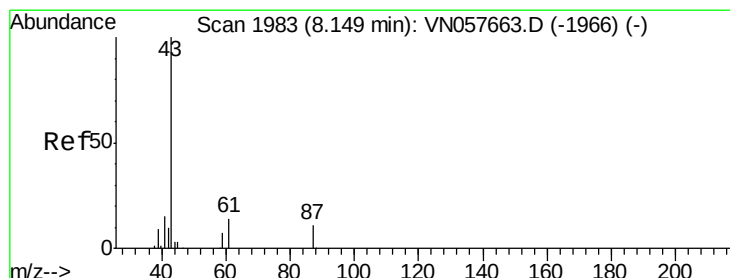
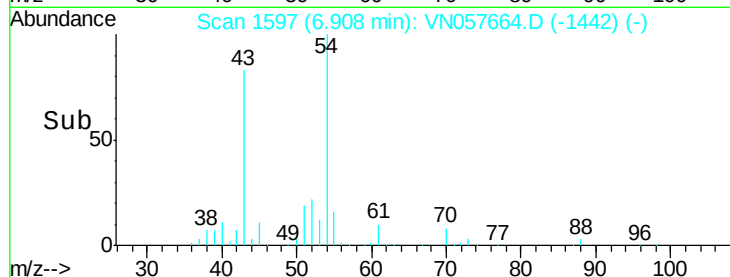
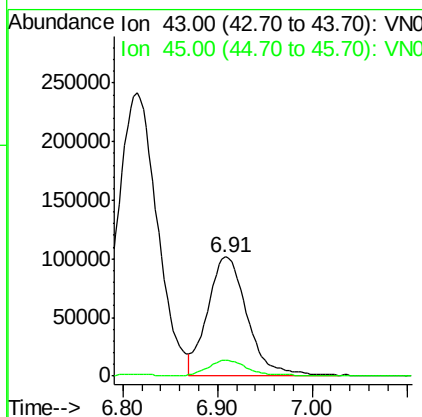
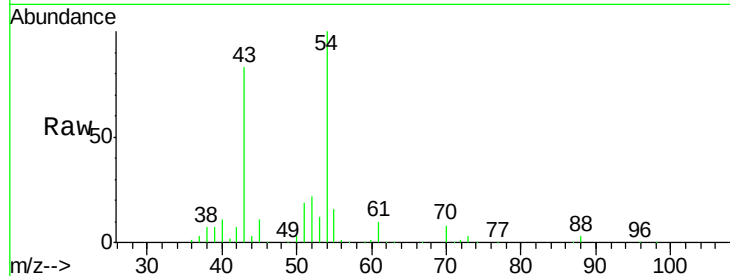
#43
Ethyl Acetate
Concen: 83.816 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN057664.D
Acq: 3 Sep 2019 15:36

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion: 43 Resp: 291125
Ion Ratio Lower Upper
43 100
45 12.6 5.0 7.6#

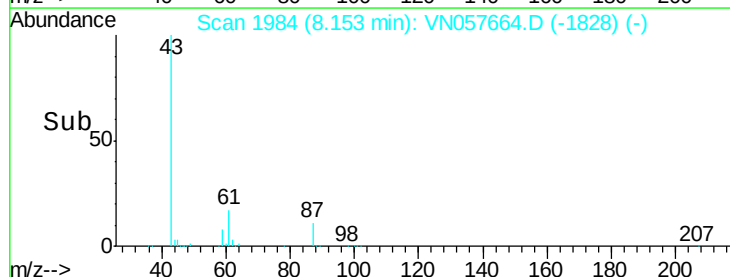
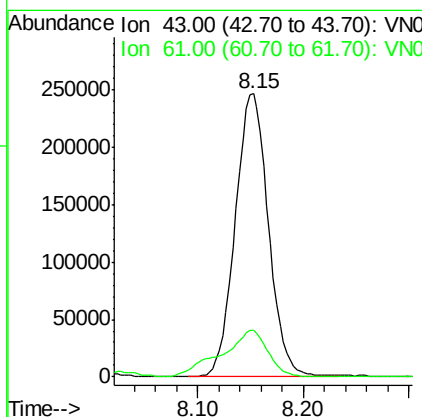
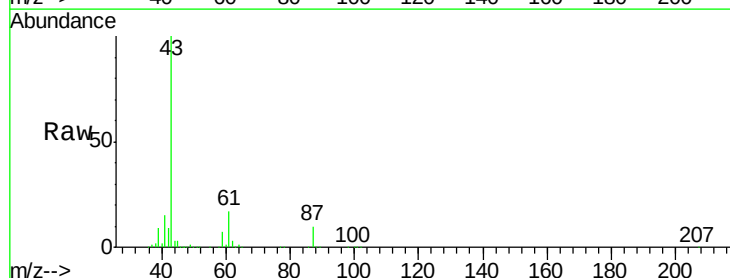
Manual Integrations
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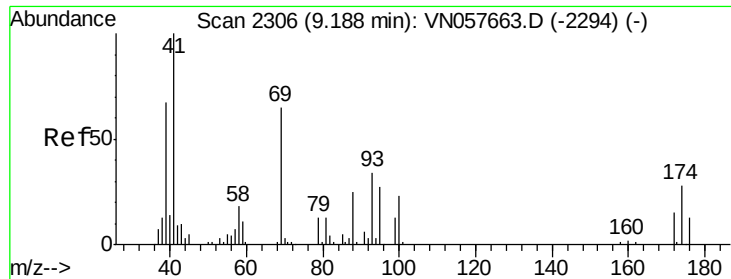
MMDadoda
9/5/2019 3:20:59 PM



#44
Isopropyl Acetate
Concen: 77.426 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN057664.D
Acq: 3 Sep 2019 15:36

Tgt Ion: 43 Resp: 535958
Ion Ratio Lower Upper
43 100
61 23.3 12.6 18.8#





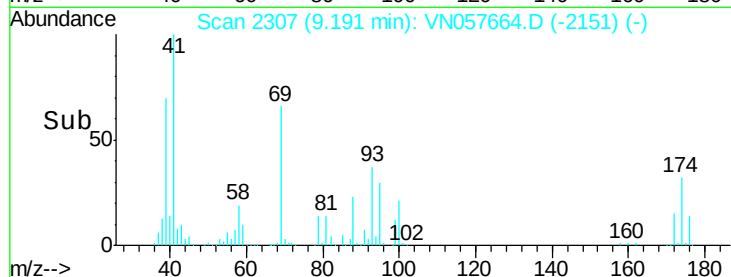
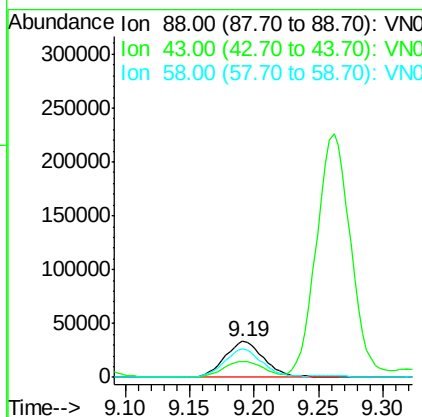
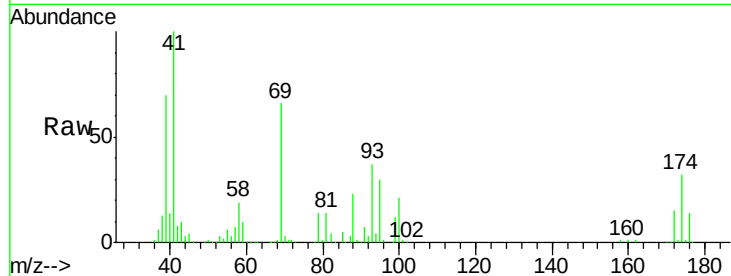
#45
1,4-Dioxane
Concen: 1270.411 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN057664.D
Acq: 3 Sep 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	88	Resp	70743
Ion Ratio	100	Lower	Upper
43	43.8	31.0	46.4
58	75.8	58.2	87.2

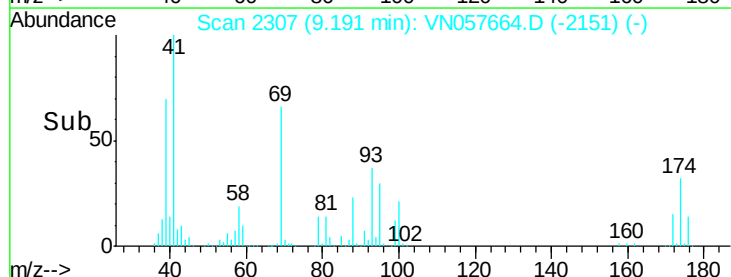
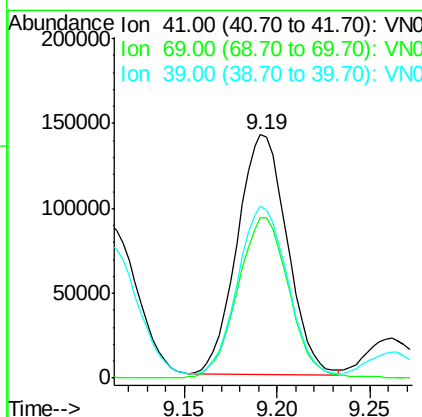
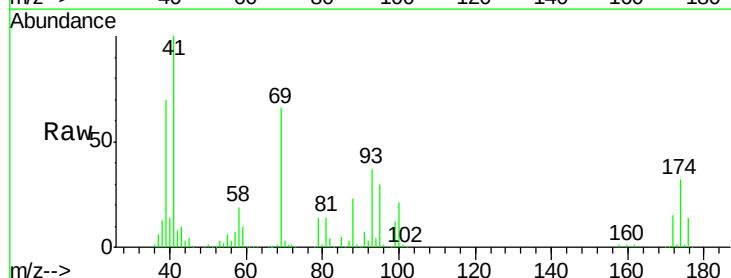
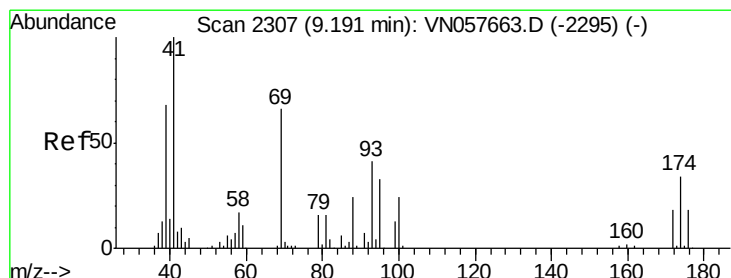
Manual Integrations
APPROVED

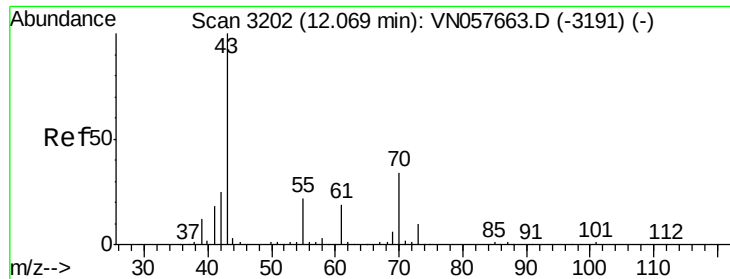
MMDadoda
9/5/2019 3:20:59 PM



#46
Methyl methacrylate
Concen: 82.452 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN057664.D
Acq: 3 Sep 2019 15:36

Tgt Ion	41	Resp	264647
Ion Ratio	100	Lower	Upper
69	66.3	33.1	99.2
39	70.0	34.0	102.0





#47

n-amvl Acetate

Concen: 78.202 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN057664.D

Acq: 3 Sep 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 43 Resp: 431202

Ion Ratio Lower Upper

43 100

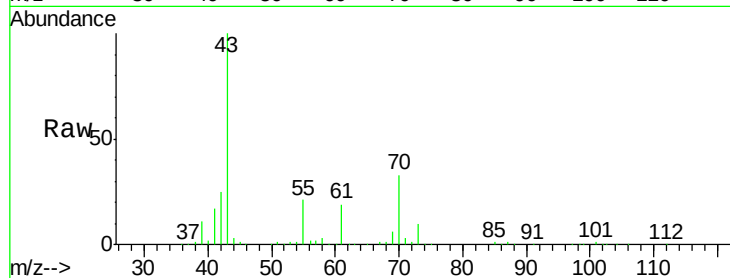
55 20.6 17.5 26.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12.07

250000

200000

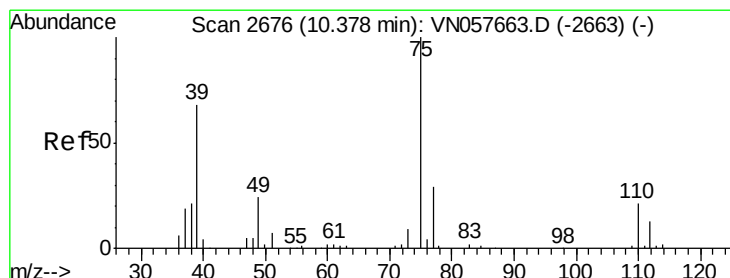
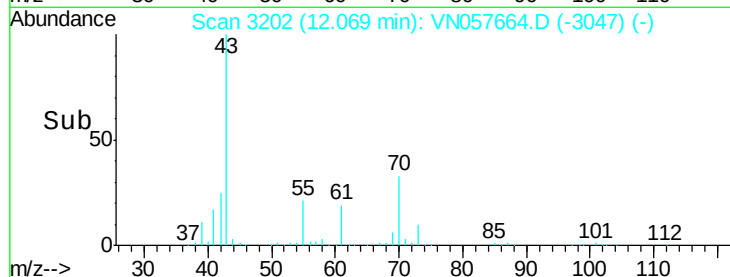
150000

100000

50000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 59.247 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN057664.D

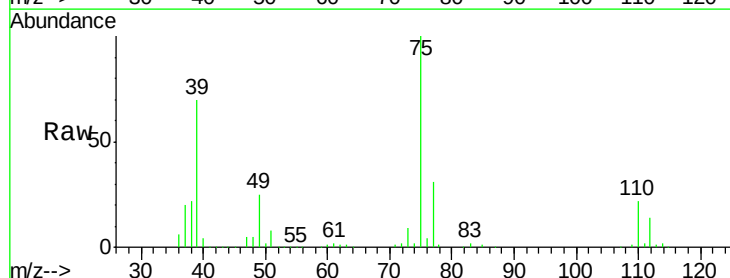
Acq: 3 Sep 2019 15:36

Tgt Ion: 75 Resp: 345434

Ion Ratio Lower Upper

75 100

77 31.3 23.1 34.7



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

10.38

200000

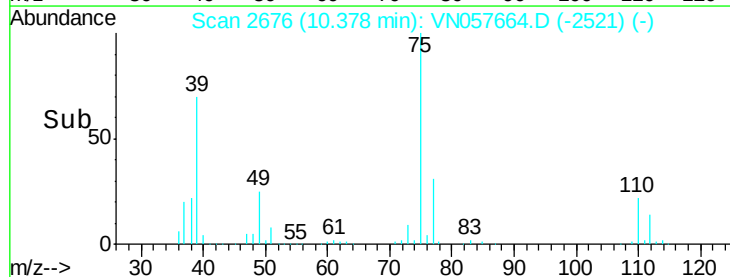
150000

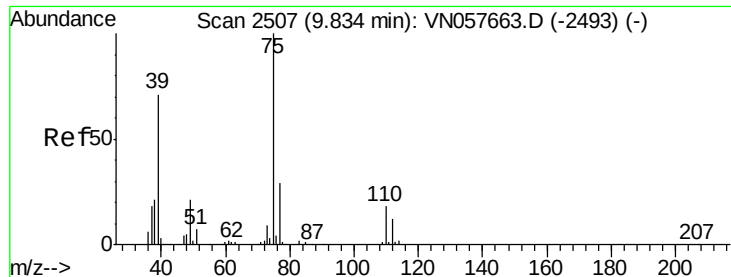
100000

50000

0

Time-->





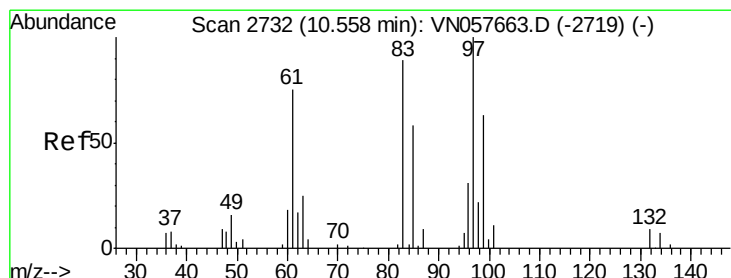
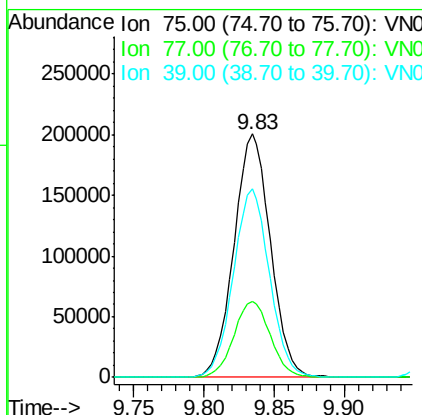
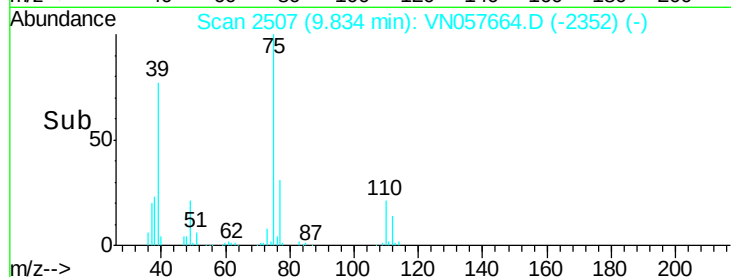
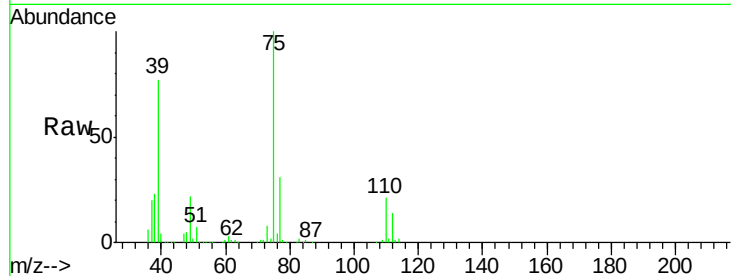
#49
 cis-1,3-Dichloropropene
 Concen: 57.865 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: VN057664.D
 Acq: 3 Sep 2019 15:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	23.4	35.2
39	77.2	56.6	85.0

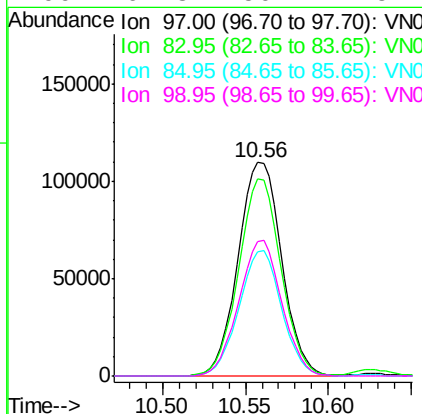
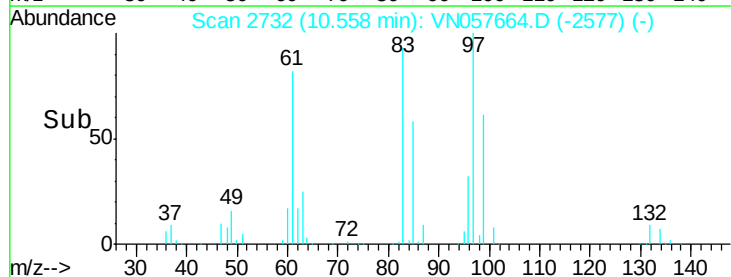
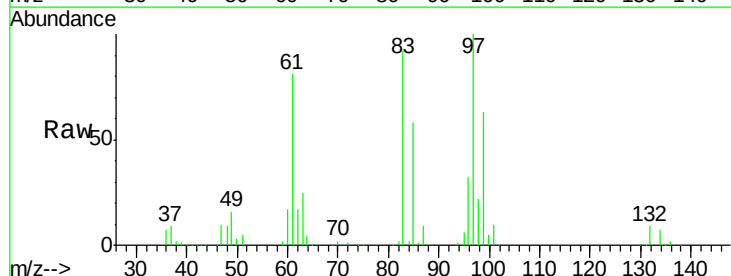
Manual Integrations
 APPROVED

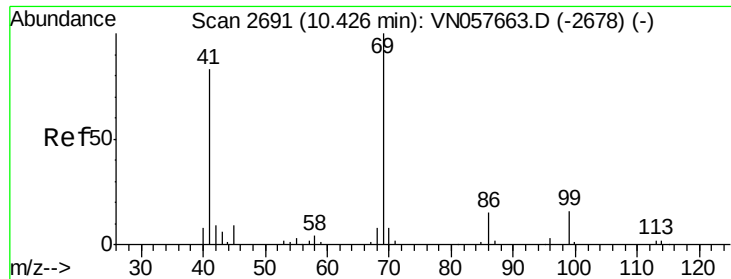
MMDadoda
 9/5/2019 3:20:59 PM



#50
 1,1,2-Trichloroethane
 Concen: 50.380 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057664.D
 Acq: 3 Sep 2019 15:36

Tgt Ion	Ratio	Lower	Upper
97	100		
83	92.5	71.4	107.2
85	58.4	46.0	69.0
99	62.8	50.2	75.2





#51

Ethyl methacrylate

Concen: 63.000 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN057664.D

Acq: 3 Sep 2019 15:36

Instrument :

MSVOA_N

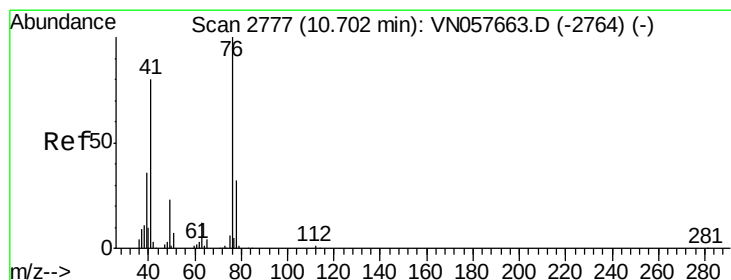
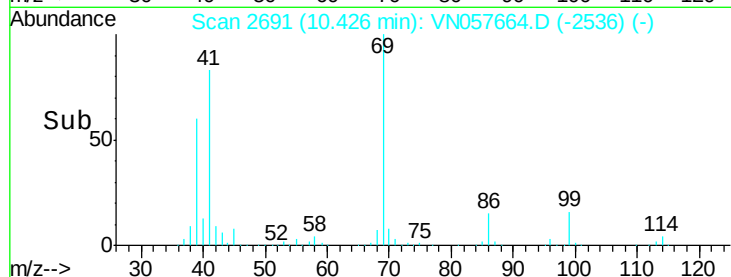
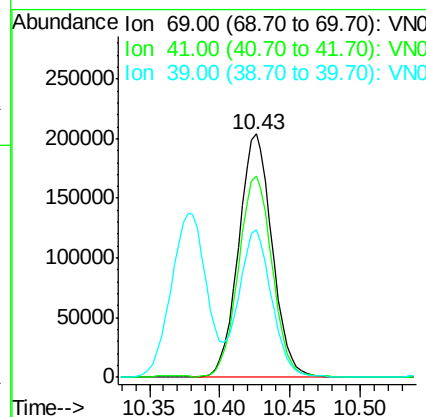
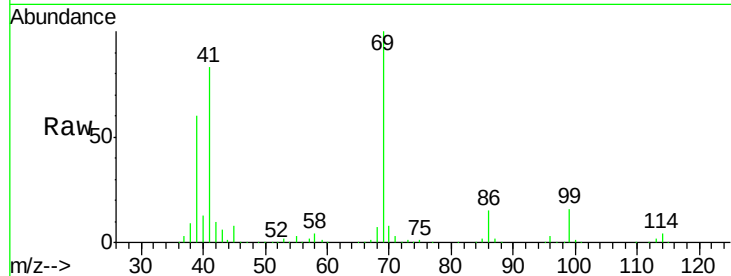
ClientSampled :

VSTDIC050

Tot Ion:	69	Resp:	339659
Ion Ratio	Lower	Upper	
69	100		
41	82.5	41.5	124.5
39	60.1	29.6	88.9

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 56.390 ug/l

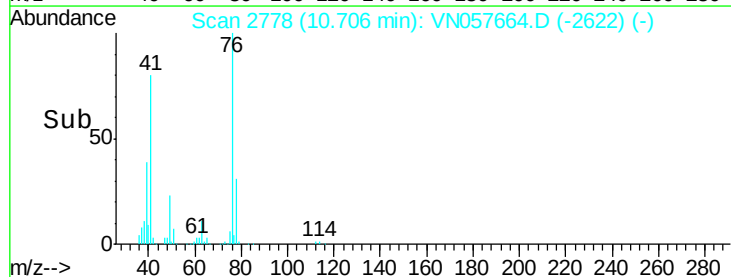
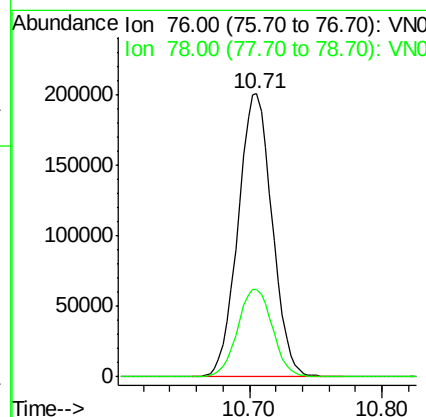
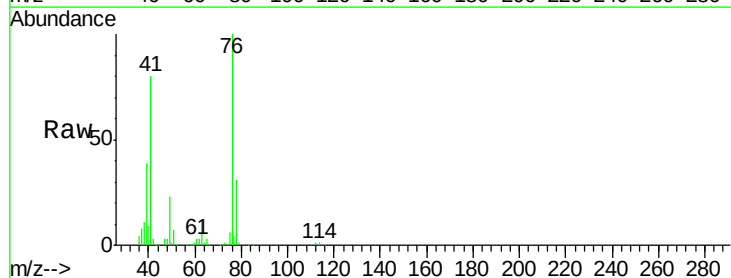
RT: 10.71 min Scan# 2778

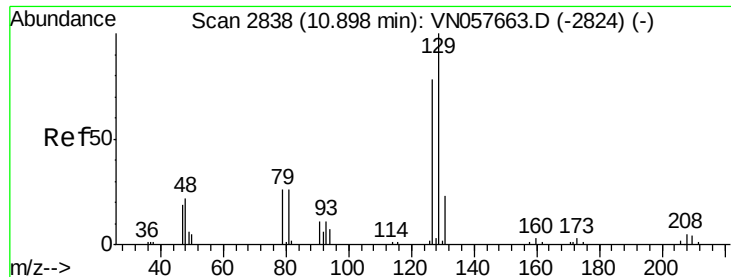
Delta R.T. 0.00 min

Lab File: VN057664.D

Acq: 3 Sep 2019 15:36

Tgt Ion:	76	Resp:	357838
Ion Ratio	Lower	Upper	
76	100		
78	31.7	0.0	63.8





#53

Dibromochloromethane

Concen: 49.062 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN057664.D

Acq: 3 Sep 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:129 Resp: 215919

Ion Ratio Lower Upper

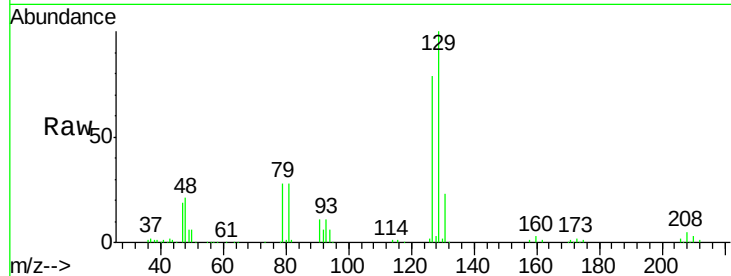
129 100

127 77.4 39.1 117.3

Manual Integrations
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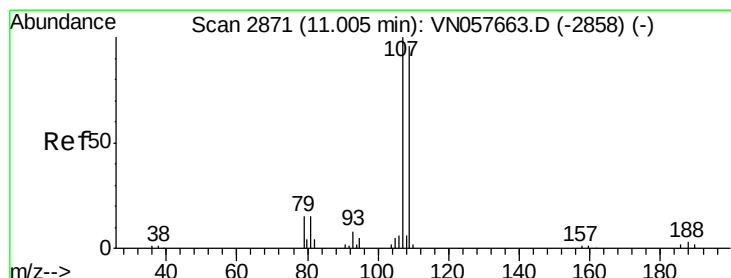
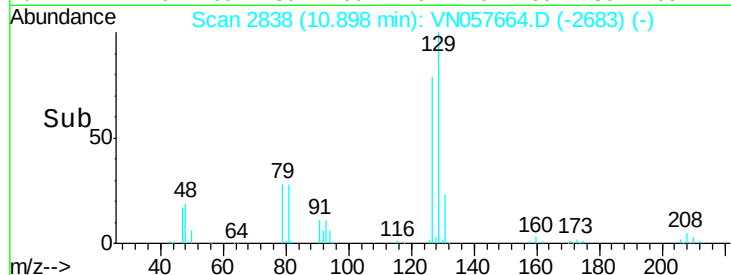
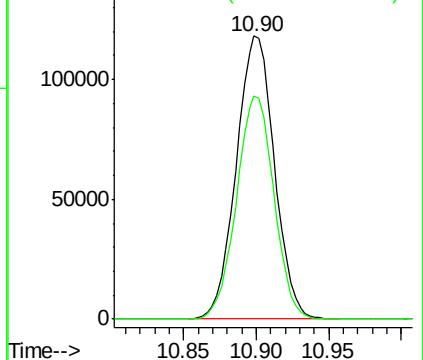
MMDadoda

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 50.170 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VN057664.D

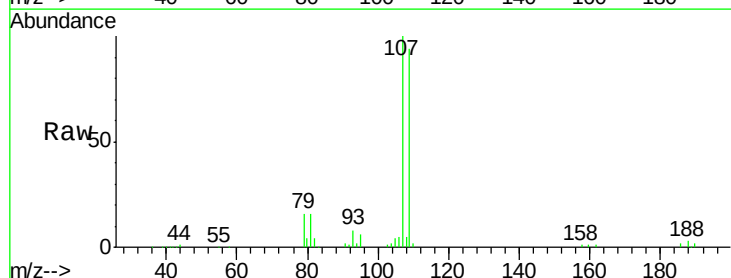
Acq: 3 Sep 2019 15:36

Tgt Ion:107 Resp: 205461

Ion Ratio Lower Upper

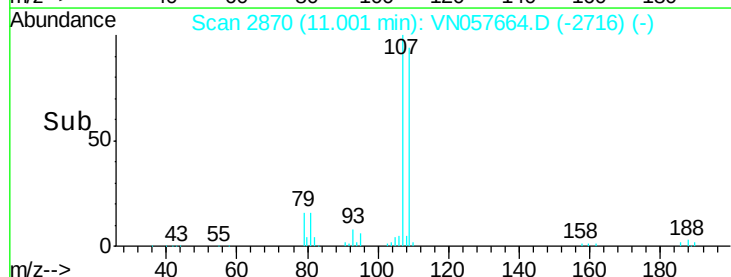
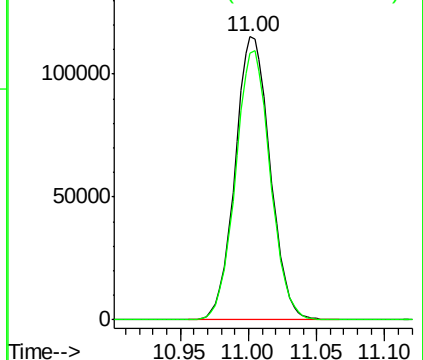
107 100

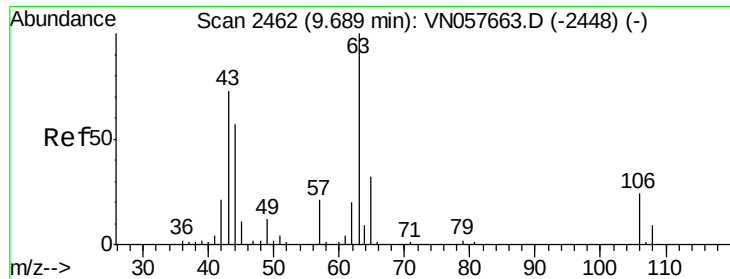
109 94.2 76.2 114.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 405.813 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN057664.D

Acq: 3 Sep 2019 15:36

Instrument :

MSVOA_N

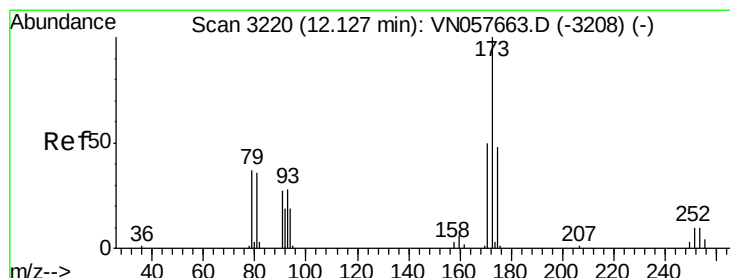
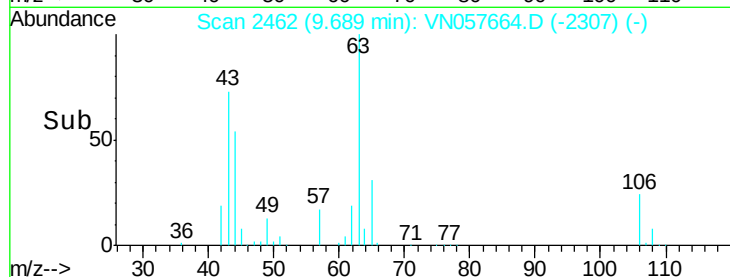
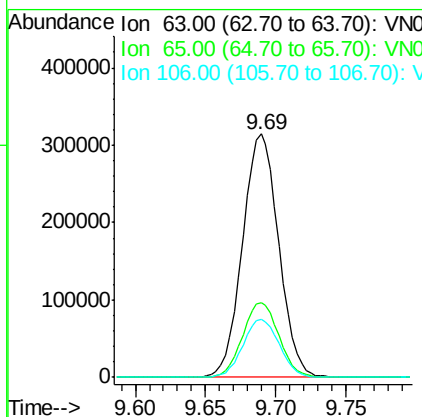
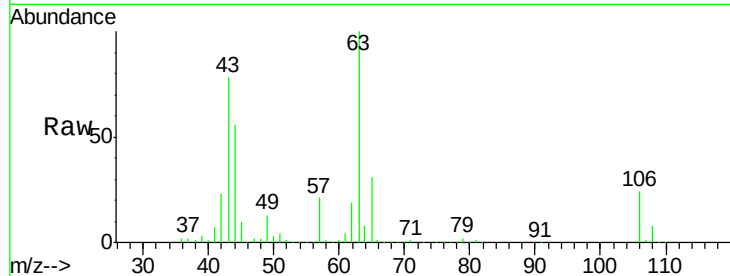
ClientSampleId :

VSTDIC050

Tot Ion:	63	Resp:	565195
Ion	Ratio	Lower	Upper
63	100		
65	30.8	25.6	38.4
106	23.9	19.5	29.3

Manual Integrations
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#56

Bromoform

Concen: 47.093 ug/l

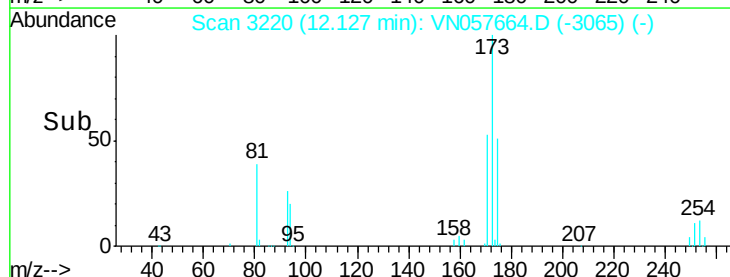
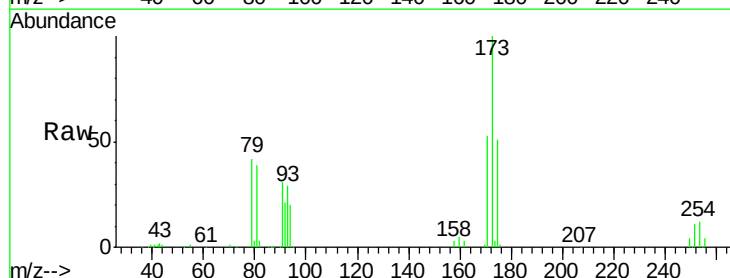
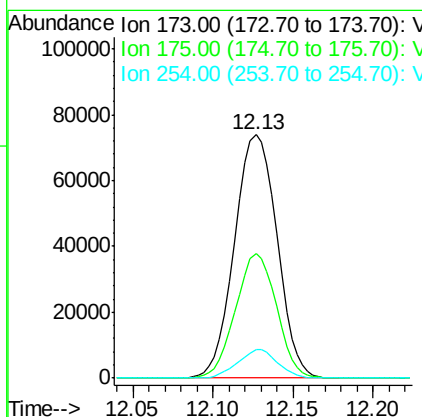
RT: 12.13 min Scan# 3220

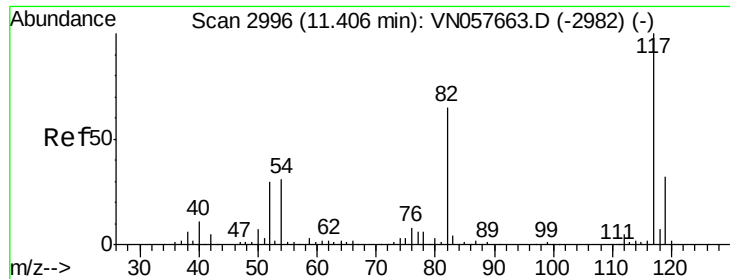
Delta R.T. -0.00 min

Lab File: VN057664.D

Acq: 3 Sep 2019 15:36

Tgt Ion:	173	Resp:	134179
Ion	Ratio	Lower	Upper
173	100		
175	49.2	38.8	58.2
254	10.9	7.2	10.8#





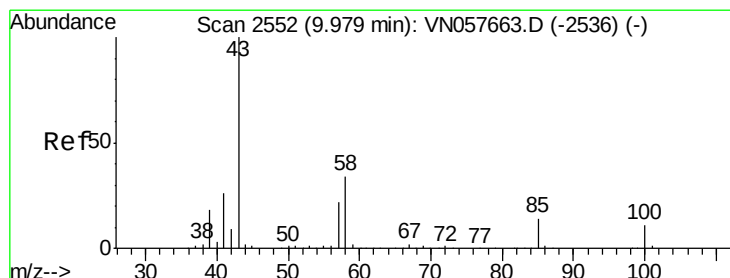
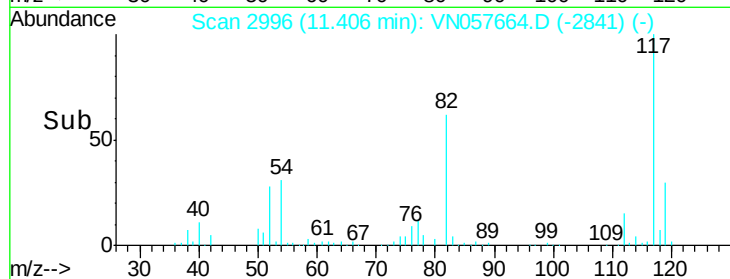
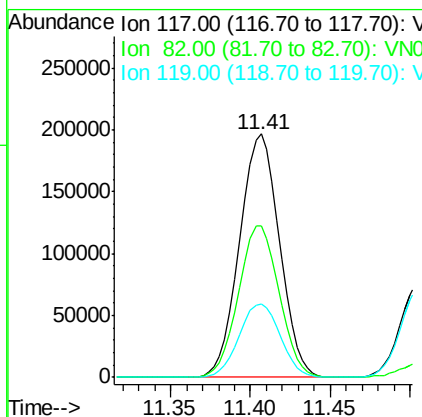
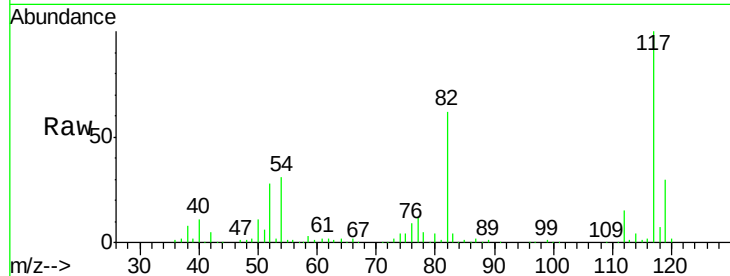
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN057664.D
Acq: 3 Sep 2019 15:36

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.3	51.2	76.8
119	31.1	25.8	38.6

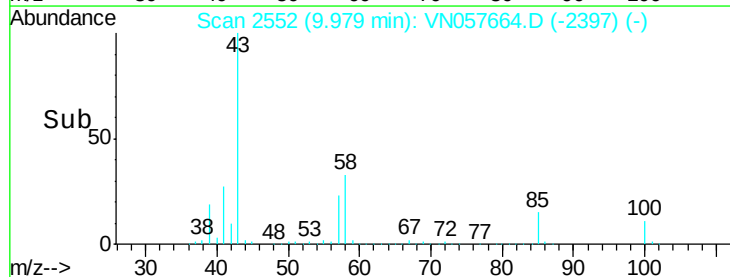
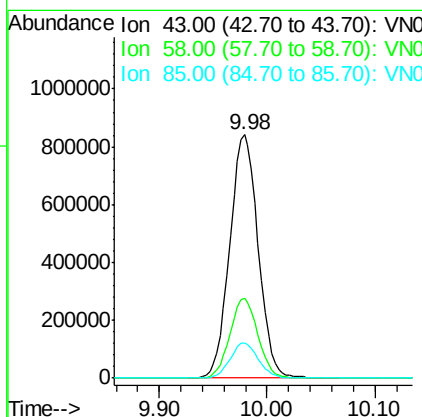
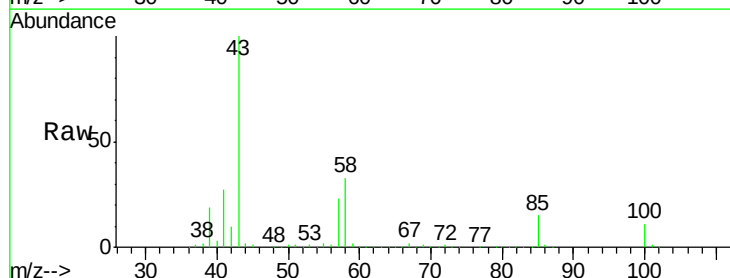
Manual Integrations
APPROVED

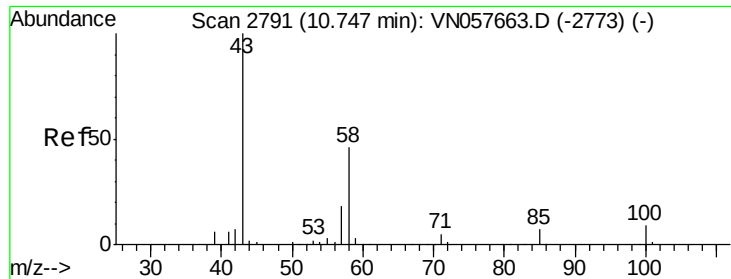
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 401.813 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN057664.D
Acq: 3 Sep 2019 15:36

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.5	26.7	40.1
85	14.3	11.2	16.8





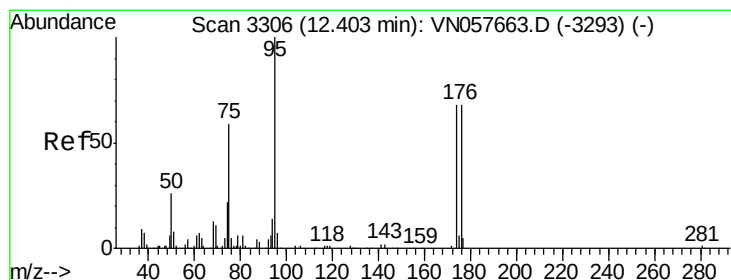
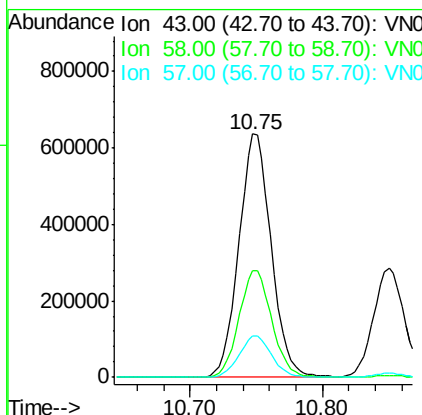
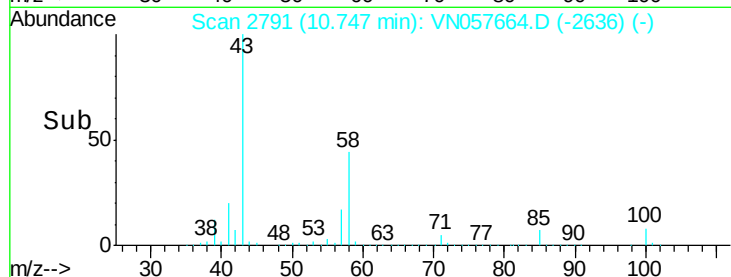
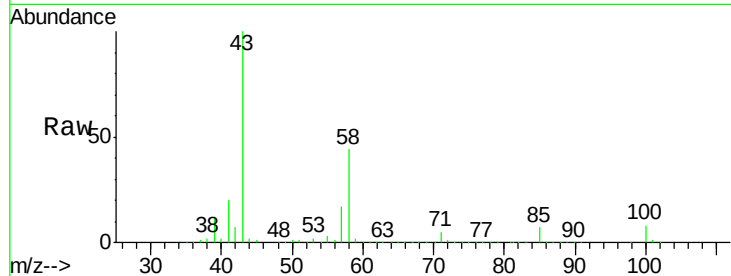
#59
2-Hexanone
Concen: 405.515 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN057664.D
Acq: 3 Sep 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion: 43 Resp: 1075833
Ion Ratio Lower Upper
43 100
58 44.7 36.1 54.1
57 17.2 14.1 21.1

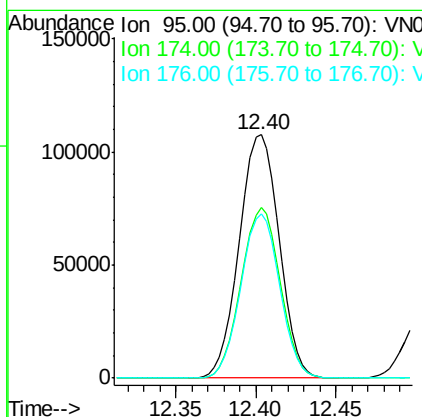
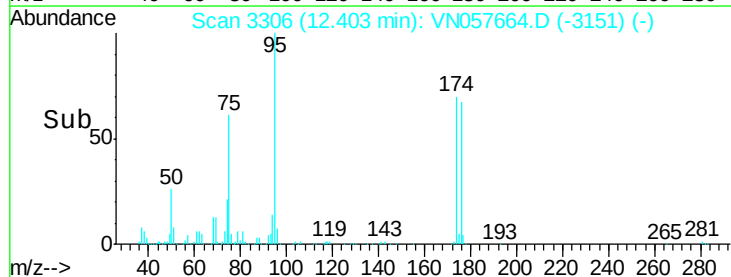
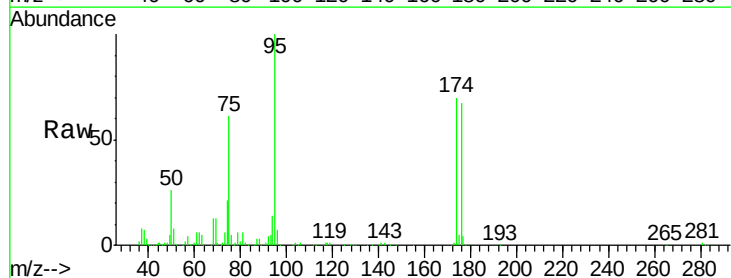
Manual Integrations
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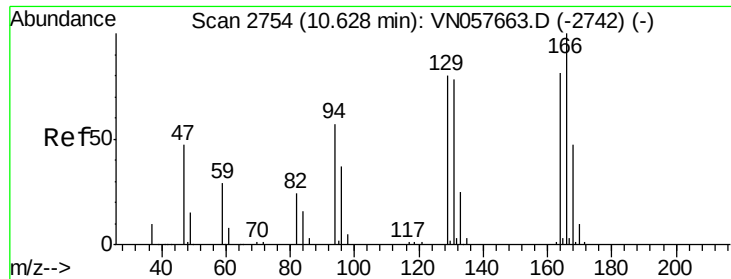
MMDadoda
9/5/2019 3:20:59 PM



#60
4-Bromofluorobenzene
Concen: 35.401 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN057664.D
Acq: 3 Sep 2019 15:36

Tgt Ion: 95 Resp: 183338
Ion Ratio Lower Upper
95 100
174 68.6 55.0 82.6
176 65.7 53.7 80.5





#61

Tetrachloroethene

Concen: 43.616 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN057664.D

Acq: 3 Sep 2019 15:36

Instrument :

MSVOA_N

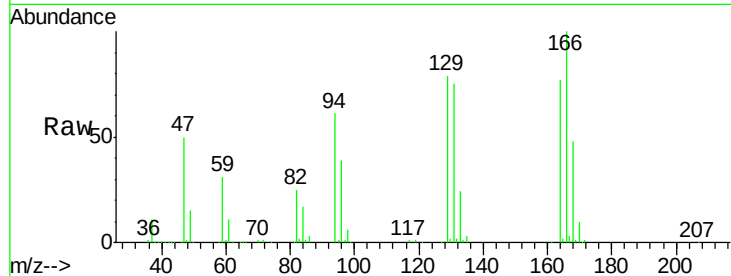
ClientSampleId :

VSTDIC050

Tot Ion:	164	Resp:	183148
Ion	Ratio	Lower	Upper
164	100		
166	129.8	99.4	149.2
129	103.2	78.8	118.2
131	98.0	78.2	117.2

Manual Integrations
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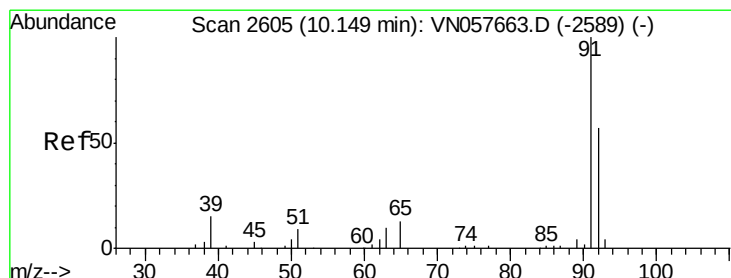
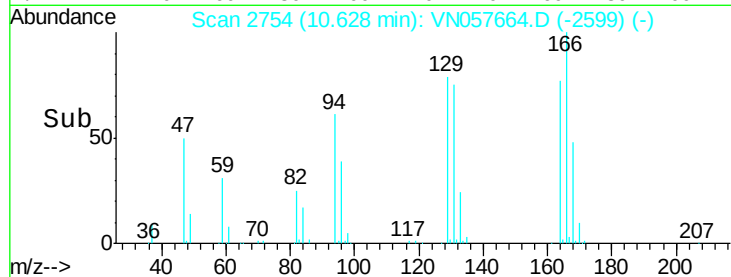
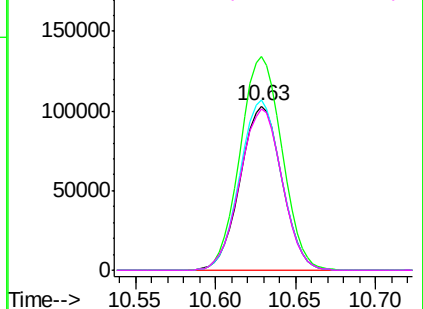
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 54.786 ug/l

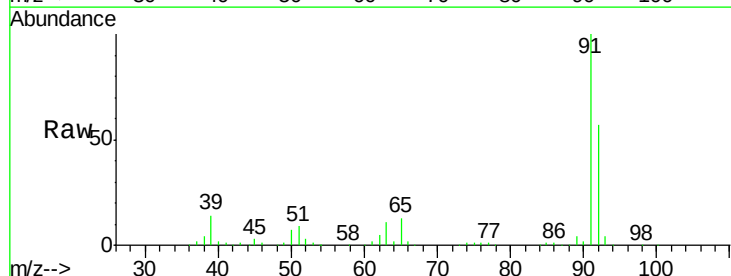
RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057664.D

Acq: 3 Sep 2019 15:36

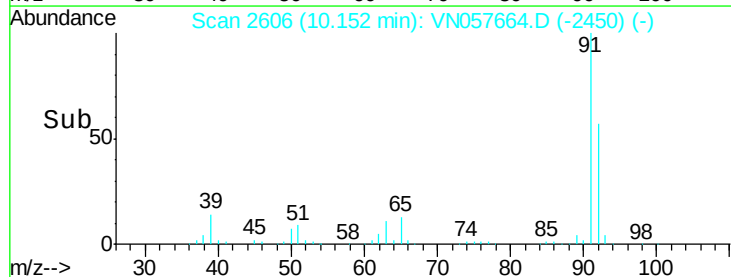
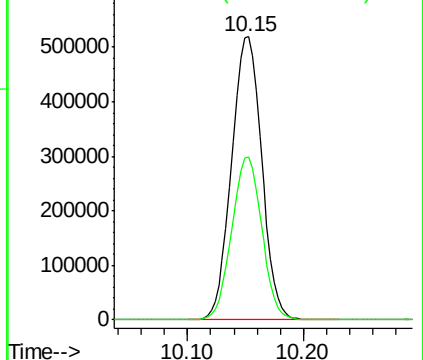
Tgt Ion:	91	Resp:	934917
Ion	Ratio	Lower	Upper
91	100		
92	57.1	46.1	69.1

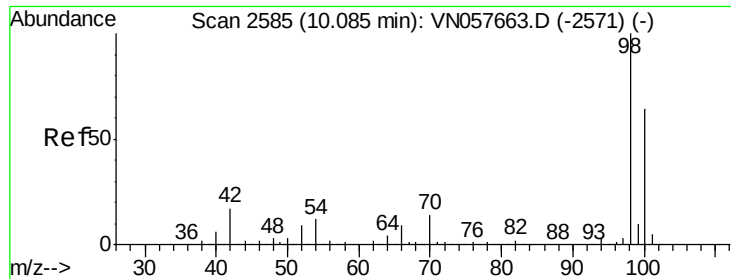


Abundance

Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO





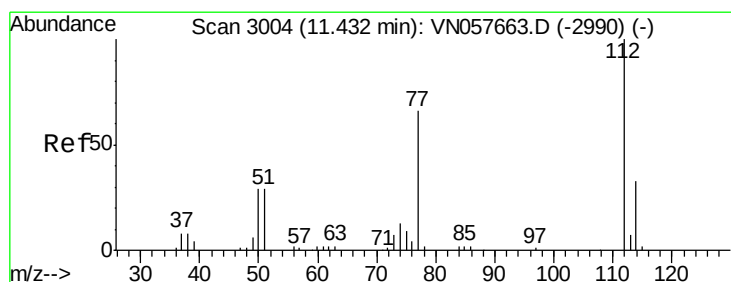
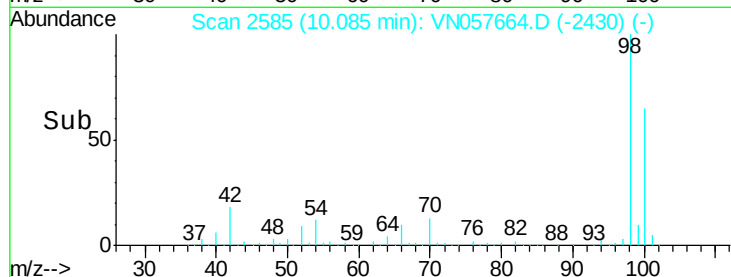
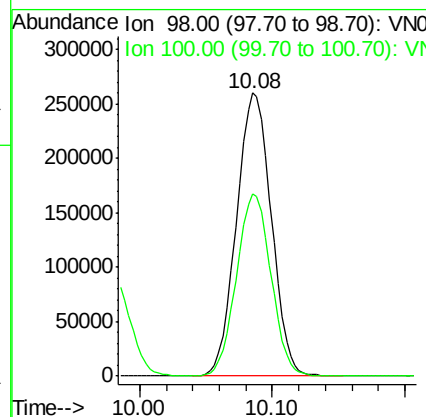
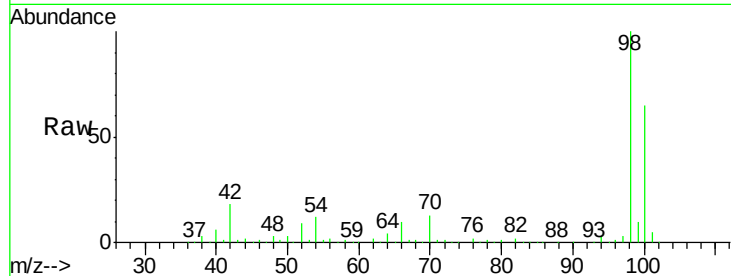
#63
Toluene-d8
Concen: 30.342 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057664.D
Acq: 3 Sep 2019 15:36

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion: 98 Resp: 475561
Ion Ratio Lower Upper
98 100
100 63.8 51.0 76.6

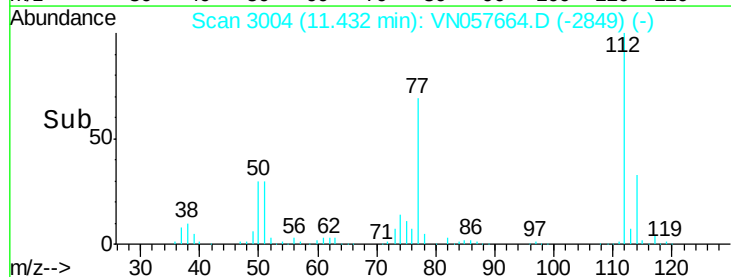
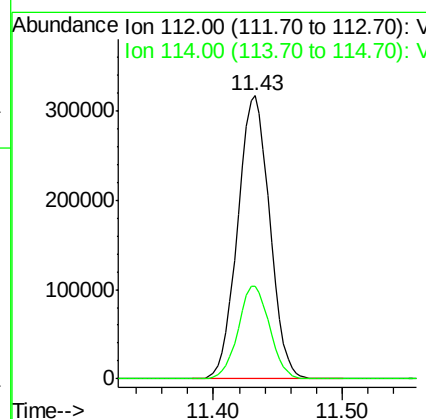
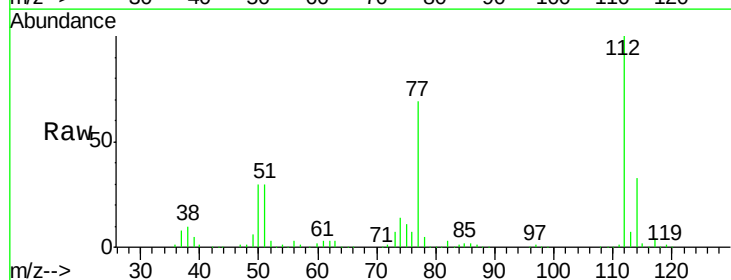
Manual Integrations
APPROVED

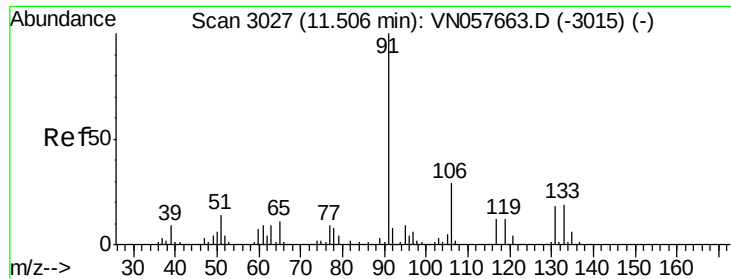
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#64
Chlorobenzene
Concen: 50.524 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN057664.D
Acq: 3 Sep 2019 15:36

Tgt Ion: 112 Resp: 545602
Ion Ratio Lower Upper
112 100
114 32.7 26.2 39.4





#65

1,1,1,2-Tetrachloroethane

Concen: 47.505 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN057664.D

Acq: 3 Sep 2019 15:36

Instrument :

MSVOA_N

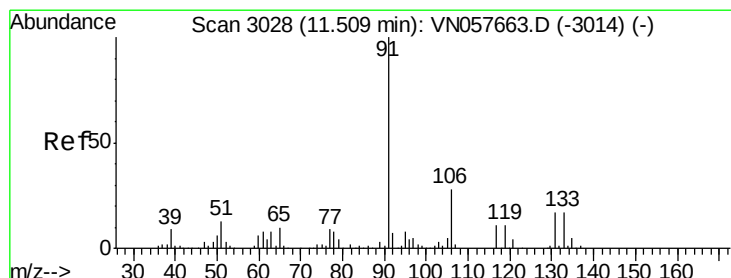
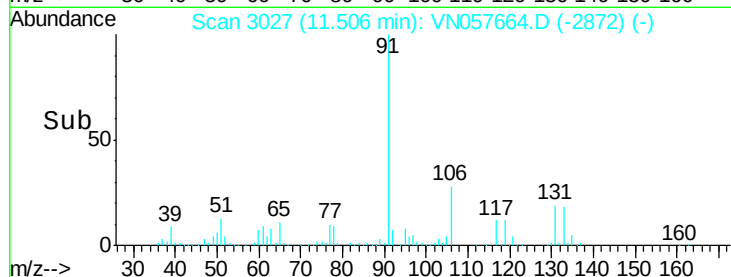
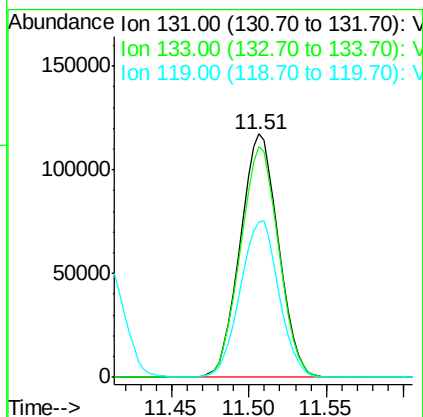
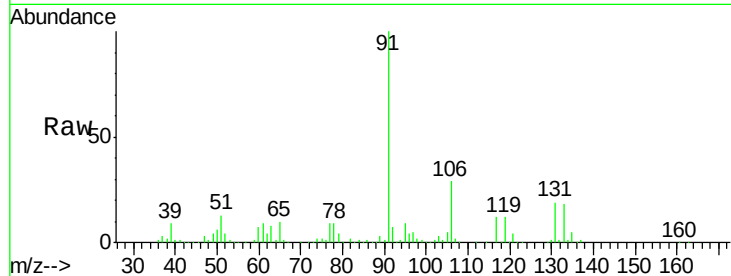
ClientSampled :

VSTDIC050

Tot Ion:	131	Resp:	201909
Ion Ratio	Lower	Upper	
131	100		
133	94.8	0.0	198.0
119	65.0	0.0	129.8

Manual Integrations
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#66

Ethyl Benzene

Concen: 59.262 ug/l

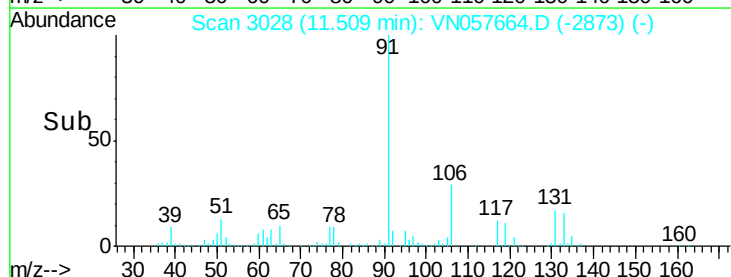
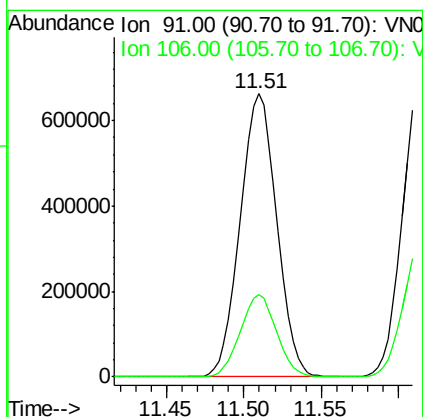
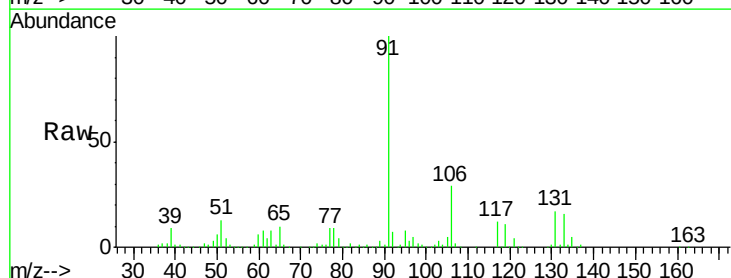
RT: 11.51 min Scan# 3028

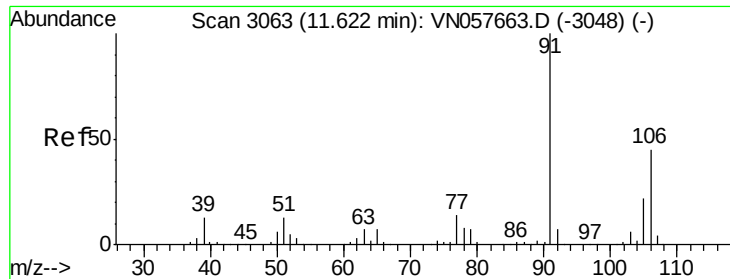
Delta R.T. -0.00 min

Lab File: VN057664.D

Acq: 3 Sep 2019 15:36

Tgt Ion:	91	Resp:	1093068
Ion Ratio	Lower	Upper	
91	100		
106	29.1	22.7	34.1





#67

m/p-Xylenes

Concen: 103.716 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN057664.D

Acq: 3 Sep 2019 15:36

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tot Ion:106 Resp: 748609

Ion Ratio Lower Upper

106 100

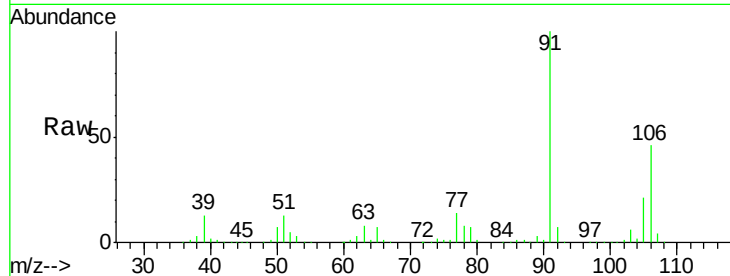
91 223.1 178.9 268.3

Manual Integrations

APPROVED

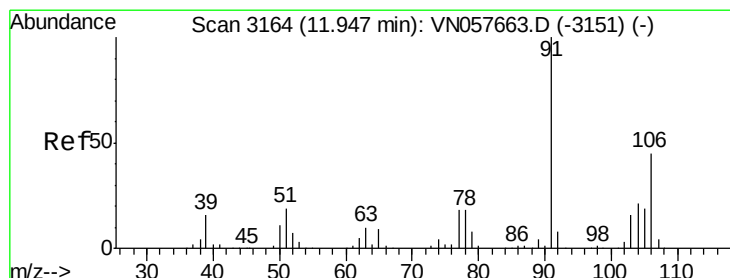
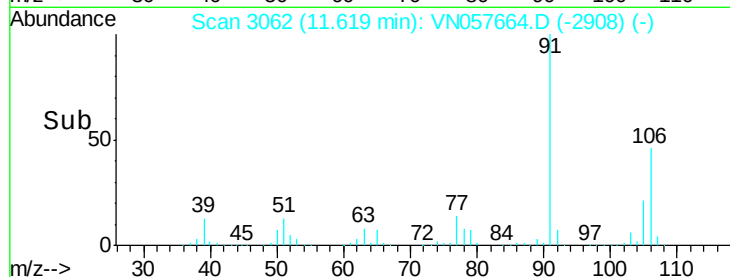
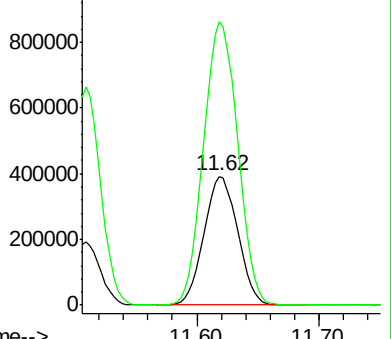
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 50.807 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN057664.D

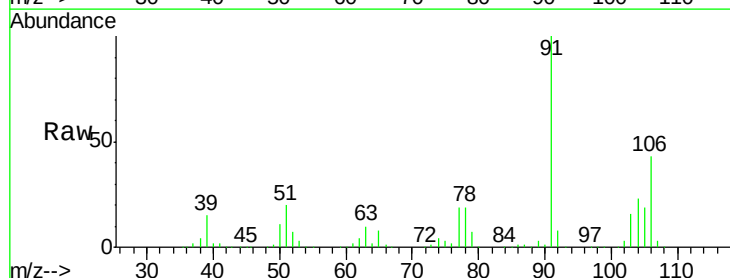
Acq: 3 Sep 2019 15:36

Tgt Ion:106 Resp: 369034

Ion Ratio Lower Upper

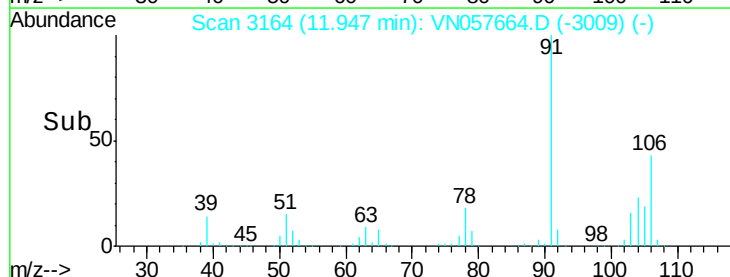
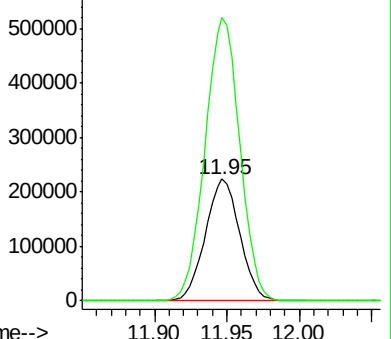
106 100

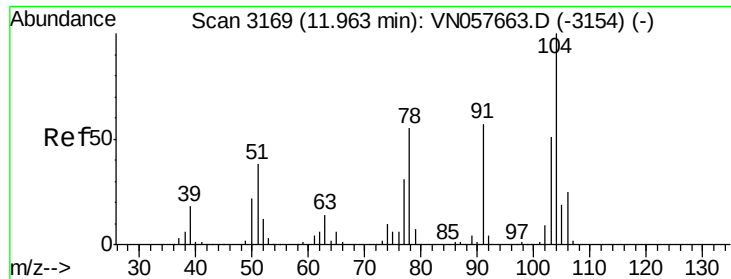
91 234.5 114.0 342.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





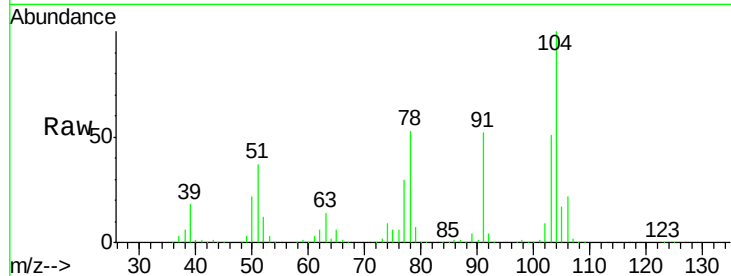
#69
Stvrene
Concen: 53.951 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057664.D
Acq: 3 Sep 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
104	100		
78	59.2	49.0	73.6
103	55.2	44.9	67.3

Manual Integrations
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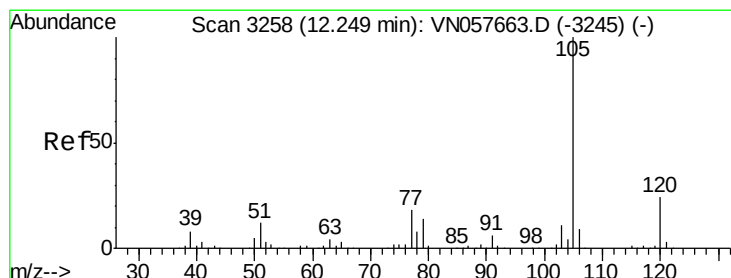
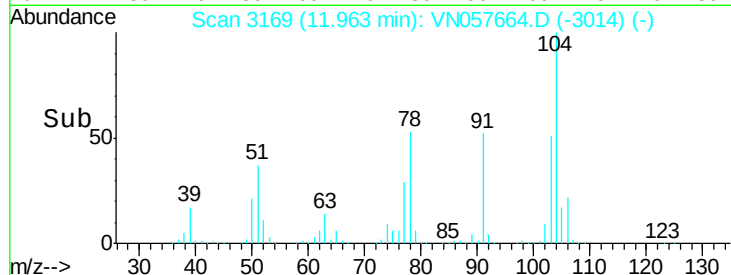
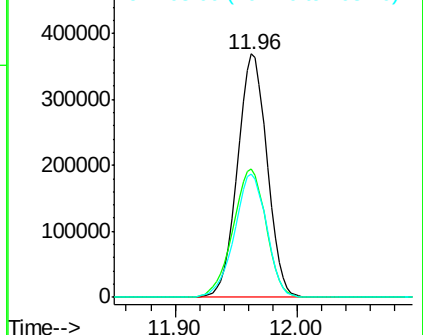


Abundance

Ion 104.00 (103.70 to 104.70): V

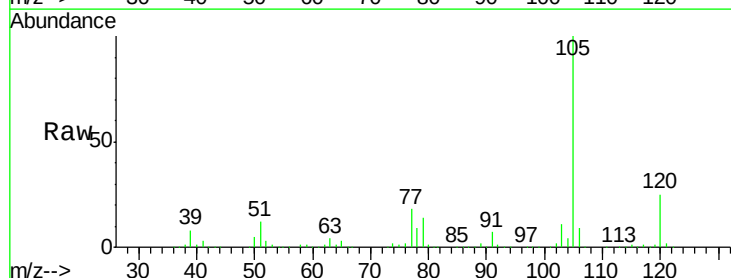
Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#70
Isopropylbenzene
Concen: 57.806 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN057664.D
Acq: 3 Sep 2019 15:36

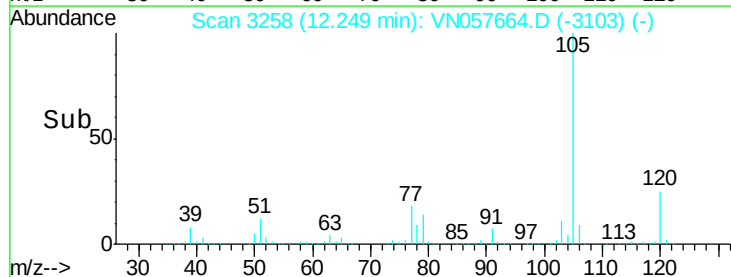
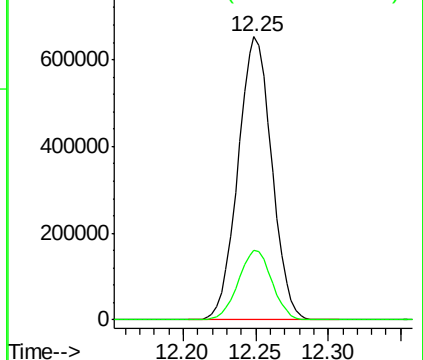
Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.7	17.2	32.0

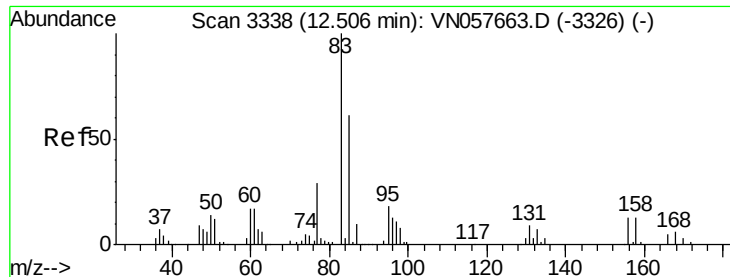


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





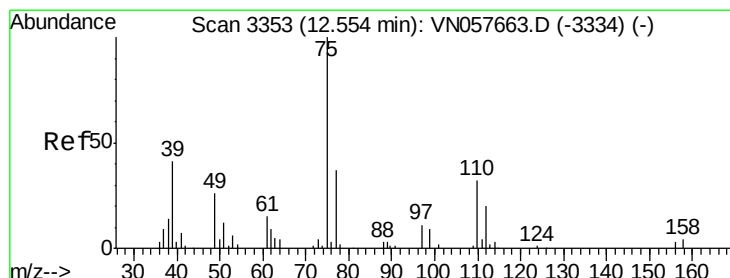
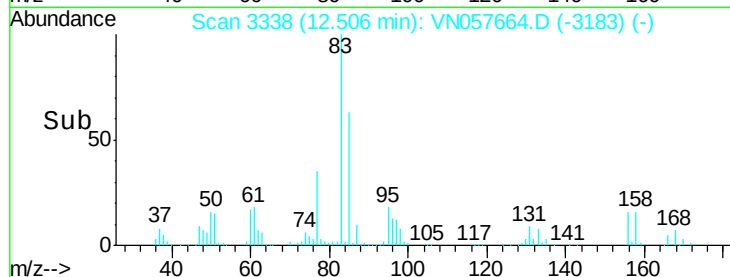
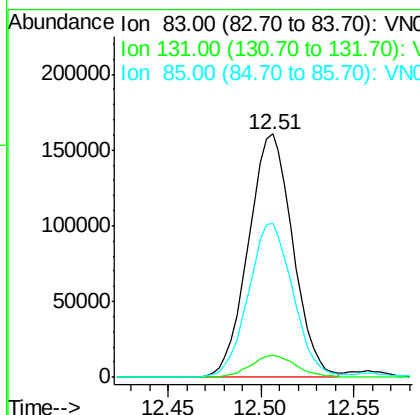
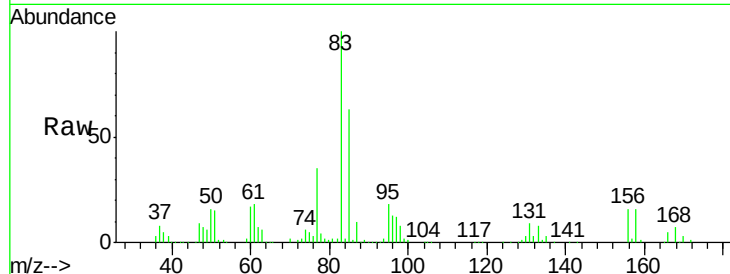
#71
 1,1,2,2-Tetrachloroethane
 Concen: 54.213 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. -0.00 min
 Lab File: VN057664.D
 Acq: 3 Sep 2019 15:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	83	Resp	267577
Ion Ratio	100	Lower	Upper
83	100		
131	9.4	5.0	14.9
85	63.7	31.7	95.1

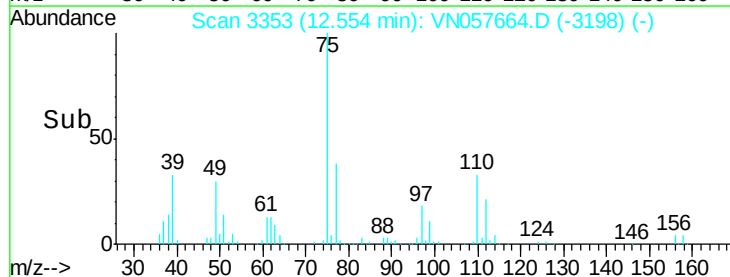
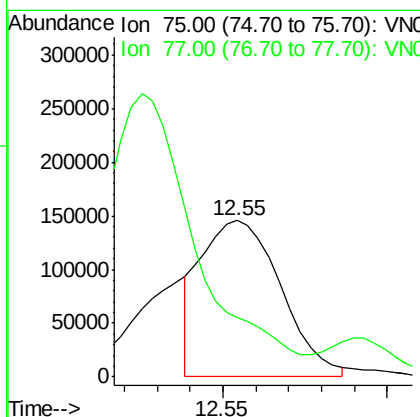
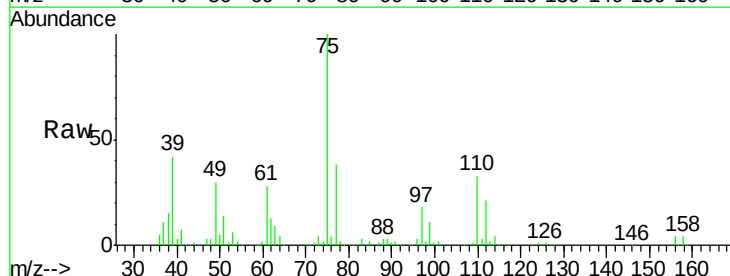
Manual Integrations
 APPROVED

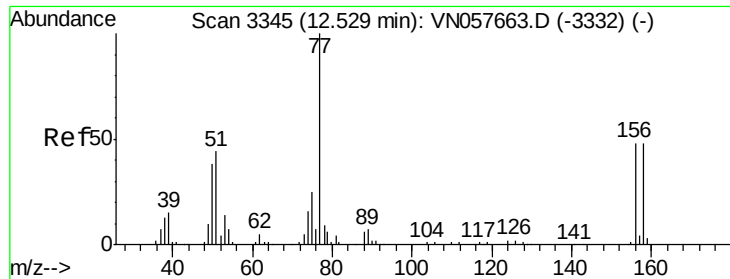
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#72
 1,2,3-Trichloropropane
 Concen: 58.192 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN057664.D
 Acq: 3 Sep 2019 15:36

Tgt Ion	75	Resp	246627
Ion Ratio	100	Lower	Upper
75	100		
77	214.0	0.0	405.6





#73

Bromobenzene

Concen: 48.527 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN057664.D

Acq: 3 Sep 2019 15:36

Instrument :

MSVOA_N

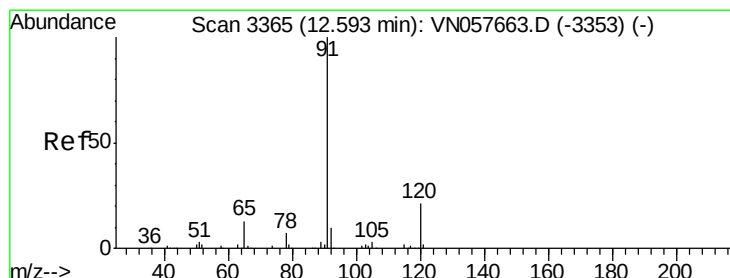
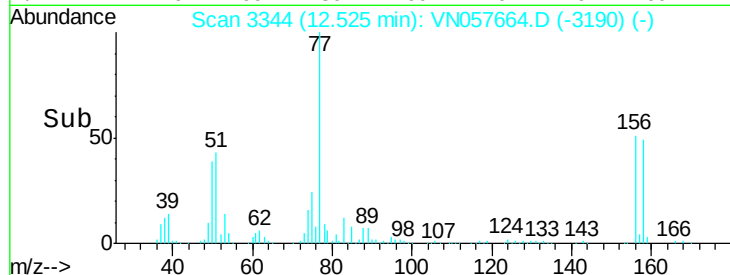
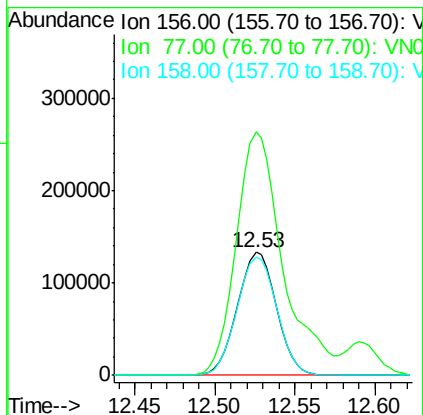
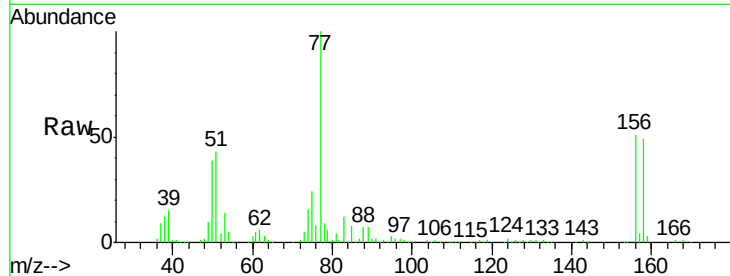
ClientSampled :

VSTDIC050

Tot Ion:	156	Resp:	221524
Ion Ratio	Lower	Upper	
156	100		
77	238.3	0.0	495.6
158	98.3	0.0	197.8

Manual Integrations
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#74

n-propylbenzene

Concen: 63.228 ug/l

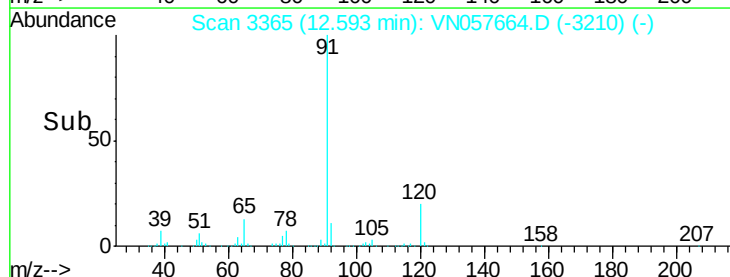
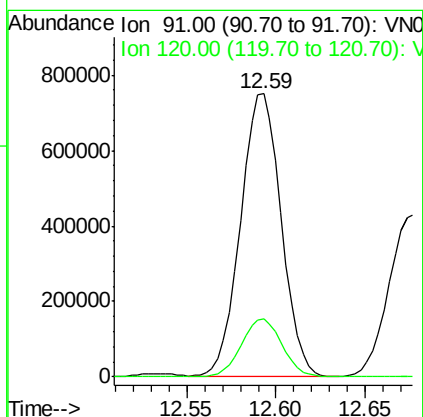
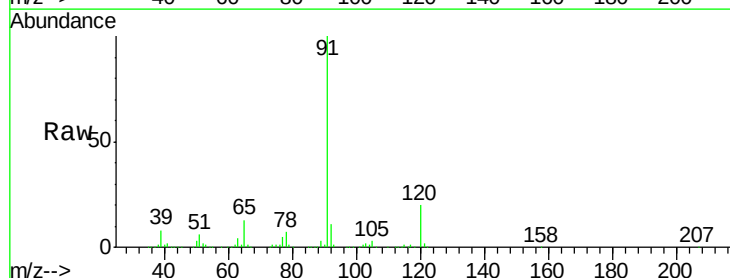
RT: 12.59 min Scan# 3365

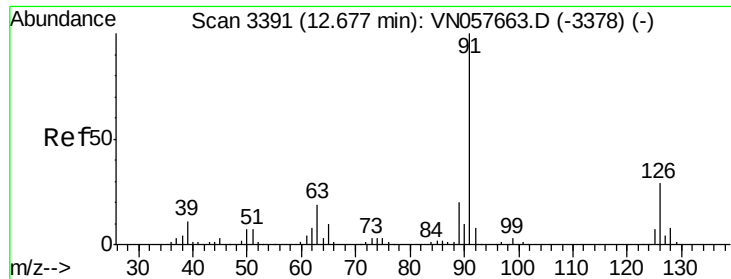
Delta R.T. -0.00 min

Lab File: VN057664.D

Acq: 3 Sep 2019 15:36

Tgt Ion:	91	Resp:	1195757
Ion Ratio	Lower	Upper	
91	100		
120	20.4	0.0	40.4





#75

2-Chlorotoluene

Concen: 58.664 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN057664.D

Acq: 3 Sep 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 91 Resp: 722381

Ion Ratio Lower Upper

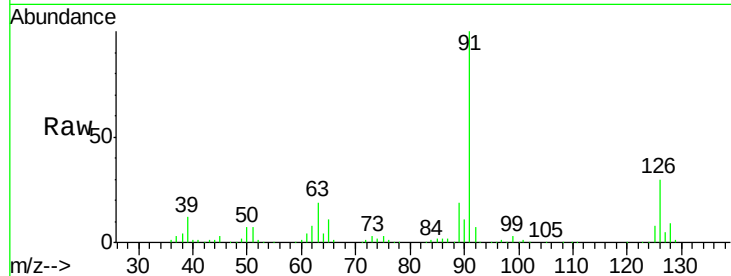
91 100

126 29.6 0.0 59.2

Manual Integrations
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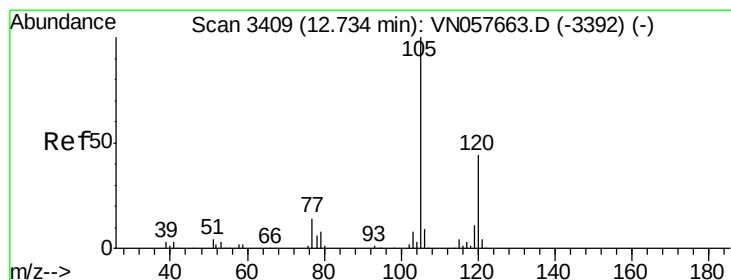
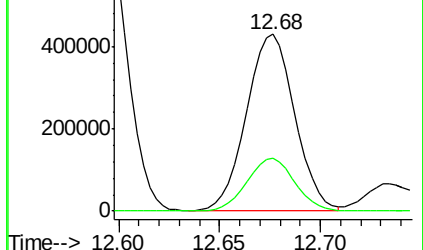
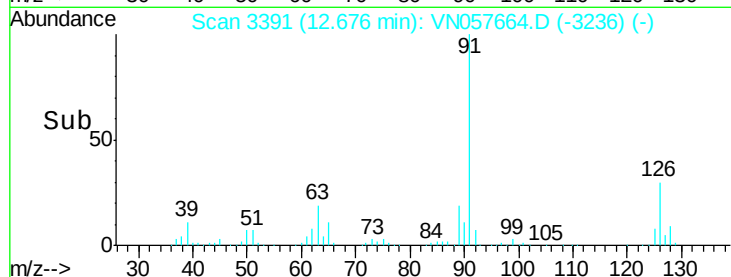
MMDadoda

9/5/2019 3:20:59 PM



Abundance Ion 91.00 (90.70 to 91.70): VN057664.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN057664.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 56.713 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN057664.D

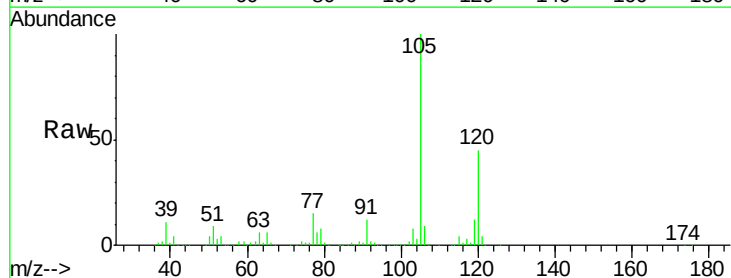
Acq: 3 Sep 2019 15:36

Tgt Ion: 105 Resp: 868576

Ion Ratio Lower Upper

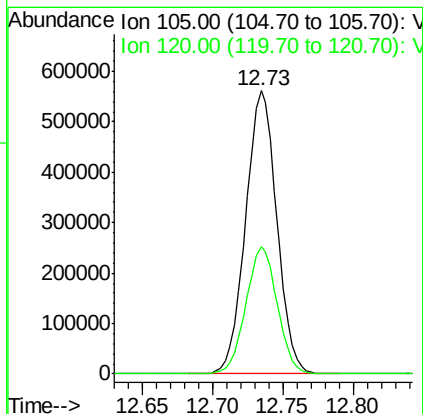
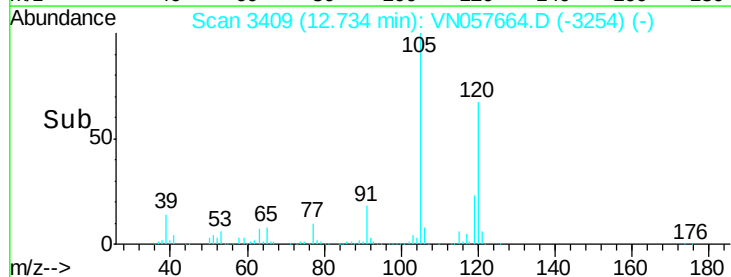
105 100

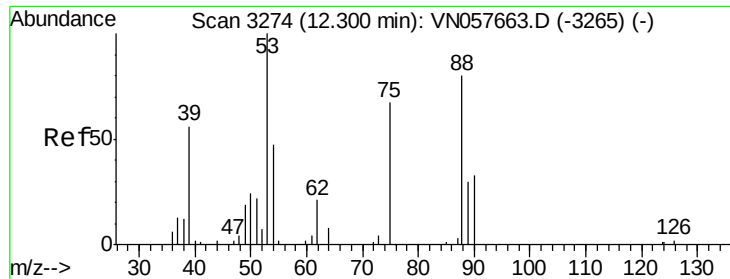
120 45.3 0.0 91.0



Abundance Ion 105.00 (104.70 to 105.70): VN057664.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN057664.D (-3392) (-)





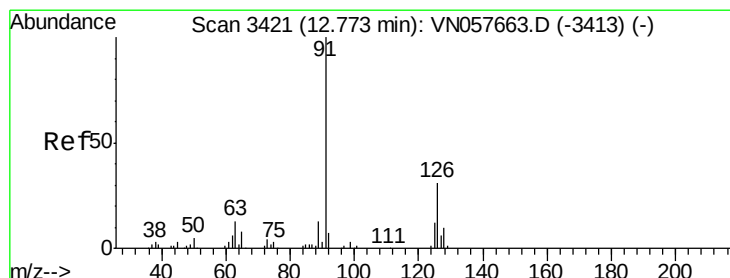
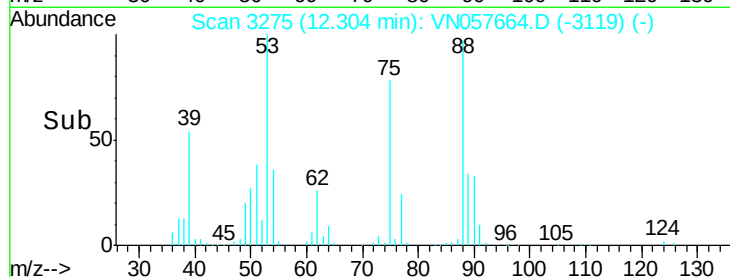
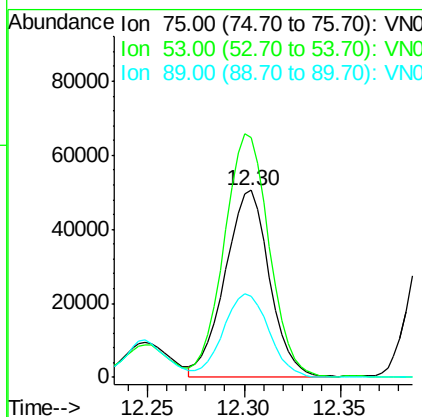
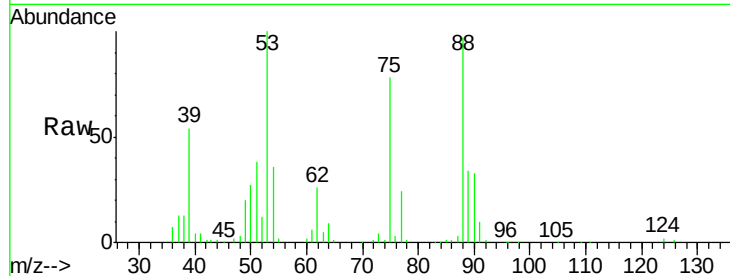
#77
t-1,4-Dichloro-2-butene
Concen: 60.494 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN057664.D
Acq: 3 Sep 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	128.8	74.2	222.6
89	43.6	23.3	69.9

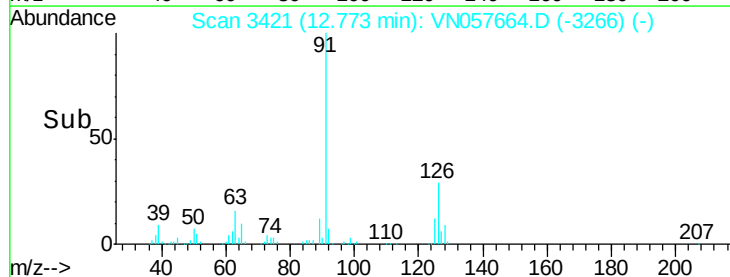
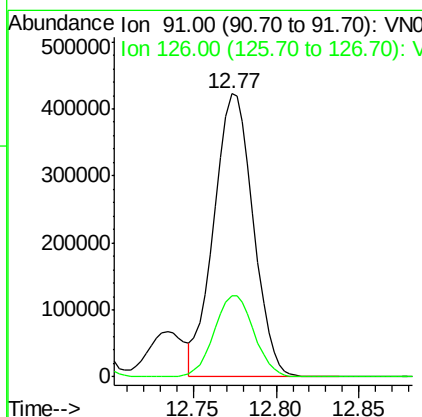
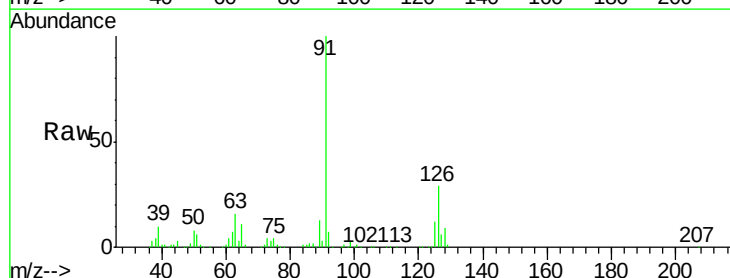
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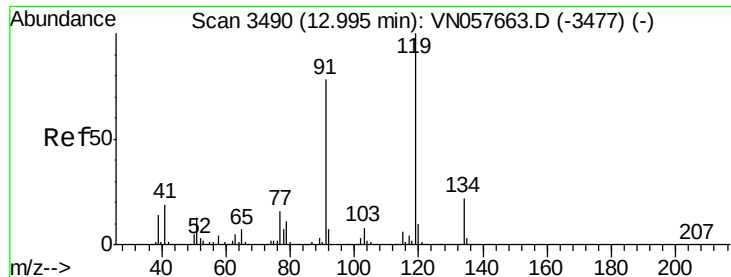
MMDadoda
9/5/2019 3:20:59 PM



#78
4-Chlorotoluene
Concen: 59.769 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN057664.D
Acq: 3 Sep 2019 15:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.0	0.0	57.8





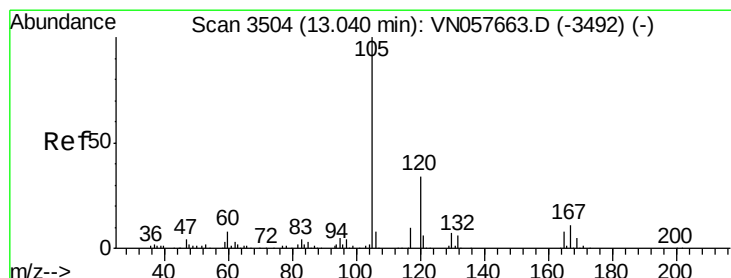
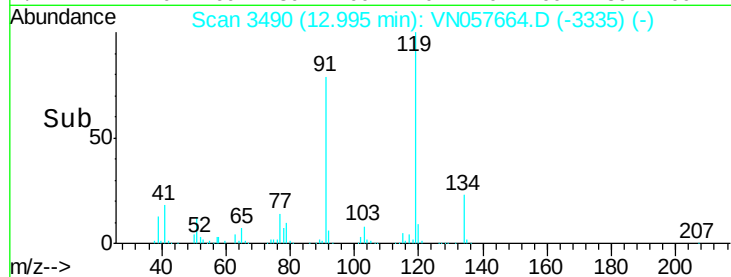
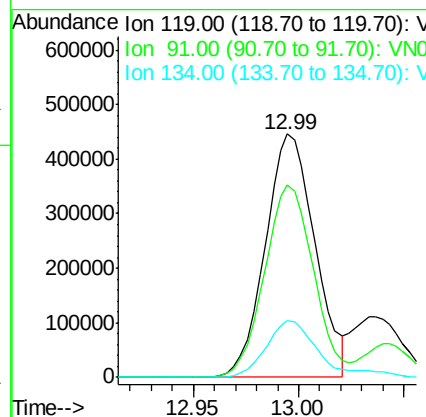
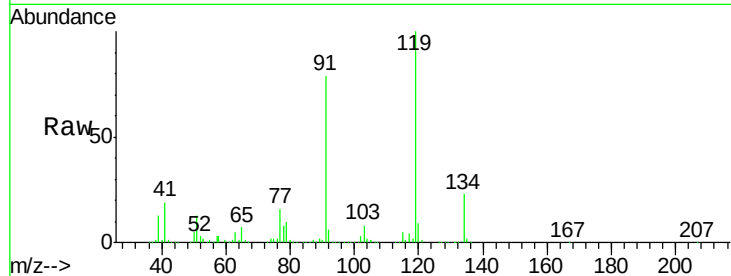
#79
tert-butylbenzene
Concen: 52.376 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN057664.D
Acq: 3 Sep 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	728941		
91	78.1	0.0	155.6	
134	25.1	0.0	48.2	

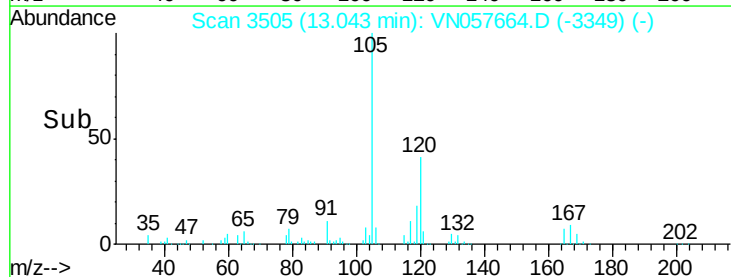
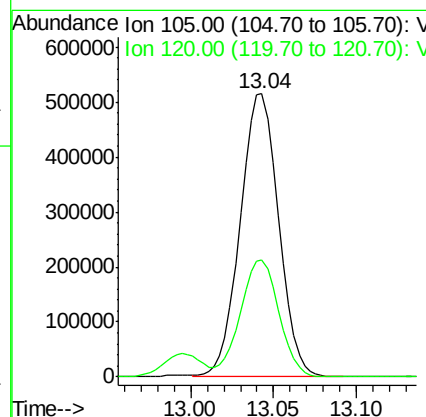
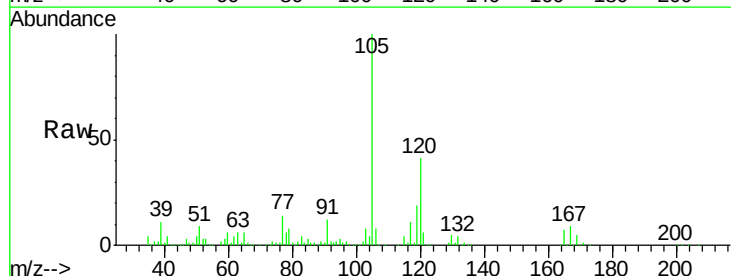
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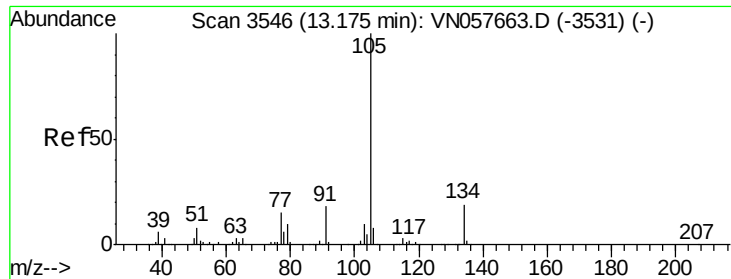
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#80
1,2,4-Trimethylbenzene
Concen: 57.861 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN057664.D
Acq: 3 Sep 2019 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	829998		
120	41.4	0.0	83.4	





#81

sec-Butylbenzene

Concen: 57.985 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN057664.D

Acq: 3 Sep 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:105 Resp: 981527

Ion Ratio Lower Upper

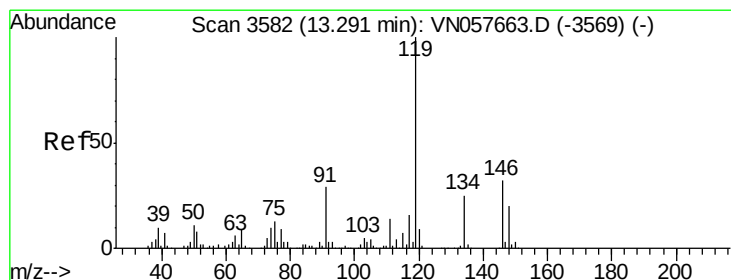
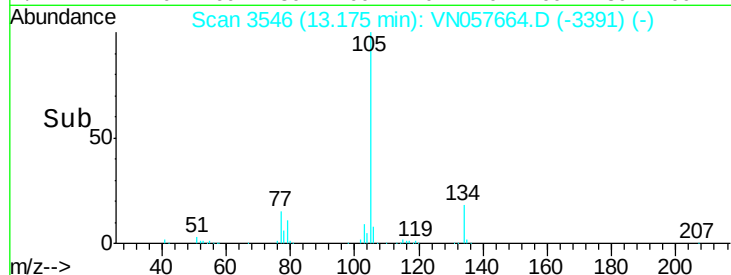
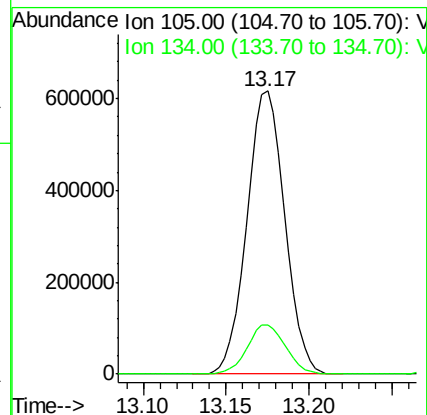
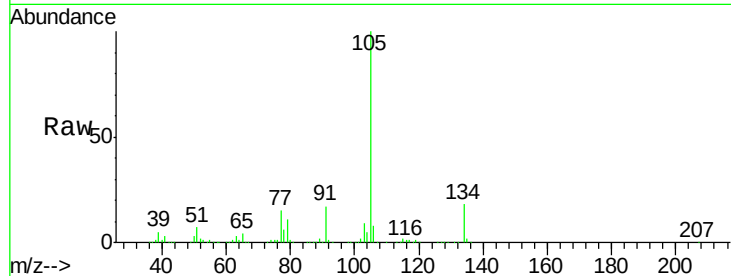
105 100

134 17.7 0.0 36.2

Manual Integrations
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#82

p-Isopropyltoluene

Concen: 54.565 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN057664.D

Acq: 3 Sep 2019 15:36

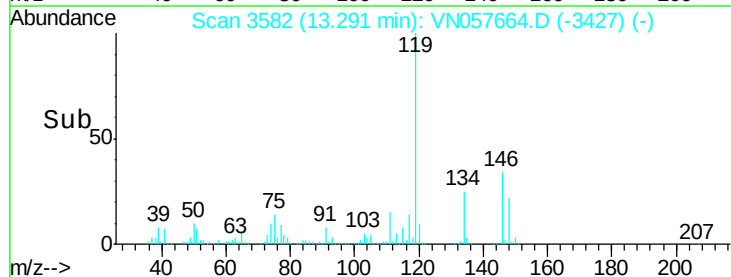
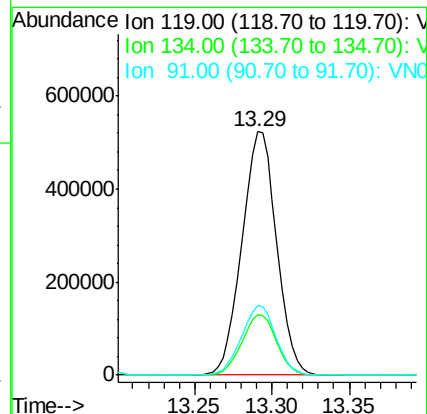
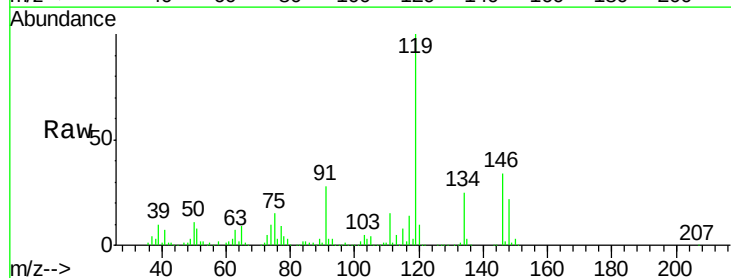
Tgt Ion:119 Resp: 811703

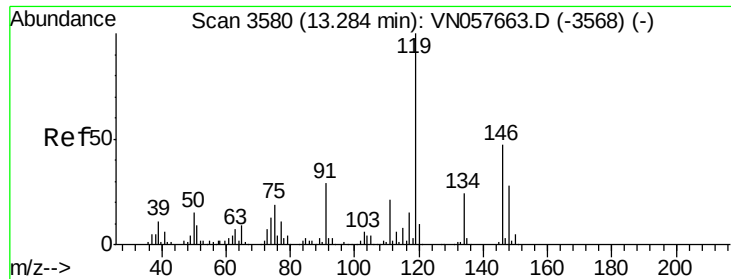
Ion Ratio Lower Upper

119 100

134 24.8 0.0 49.6

91 28.6 0.0 56.2





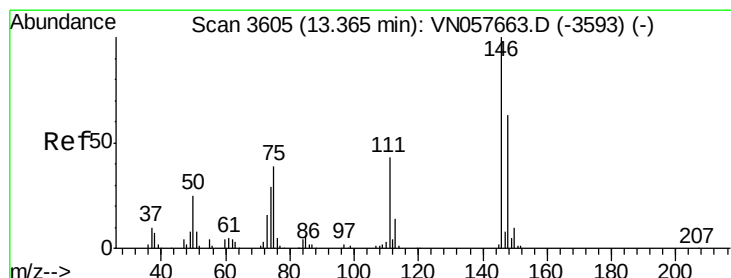
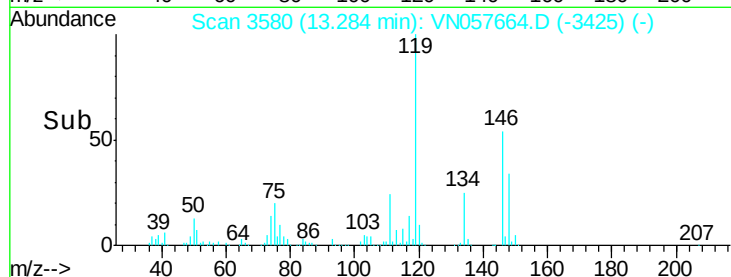
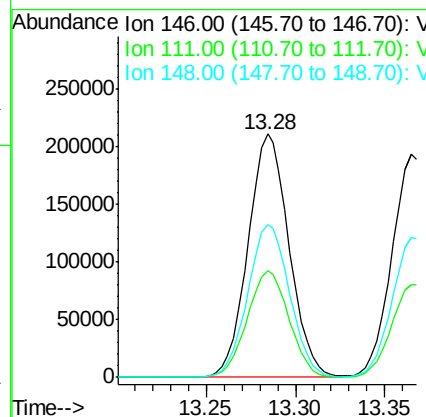
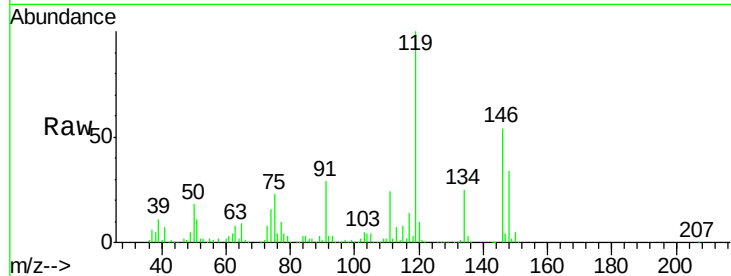
#83
 1,3-Dichlorobenzene
 Concen: 46.400 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN057664.D
 Acq: 3 Sep 2019 15:36

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	44.6	22.1	66.3	
148	64.1	31.3	93.9	

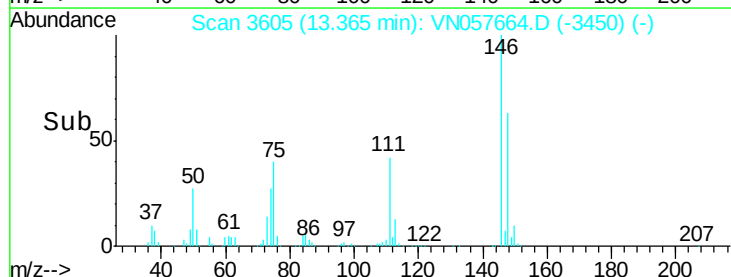
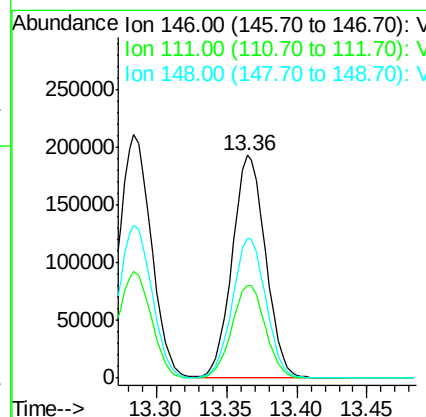
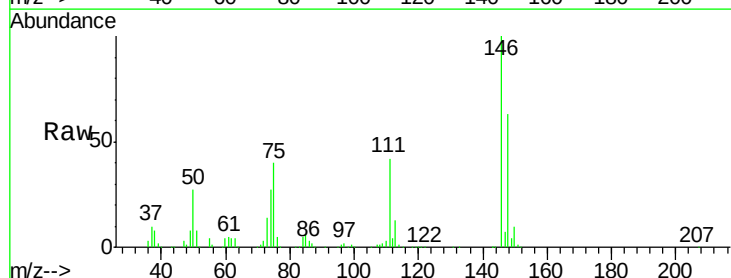
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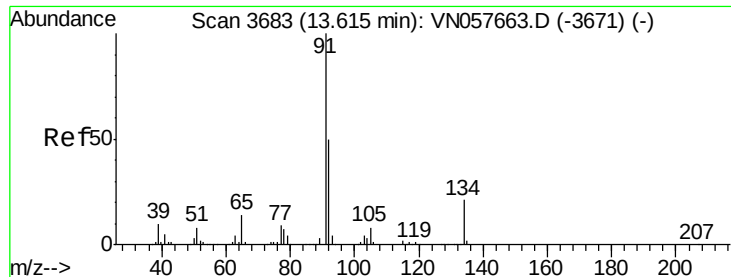
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#84
 1,4-Dichlorobenzene
 Concen: 45.834 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN057664.D
 Acq: 3 Sep 2019 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	41.8	21.3	63.9	
148	63.0	31.0	93.0	





#85

n-Butylbenzene

Concen: 60.787 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN057664.D

Acq: 3 Sep 2019 15:36

Instrument :

MSVOA_N

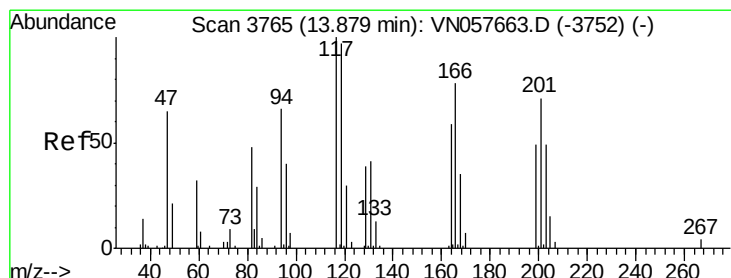
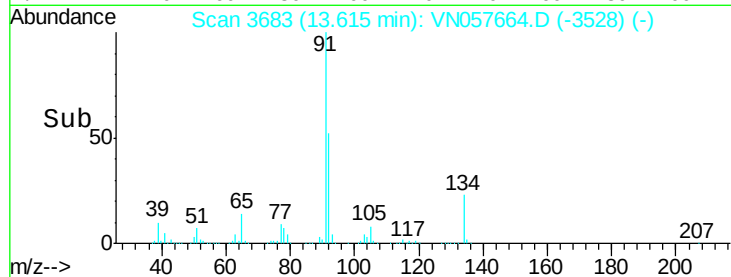
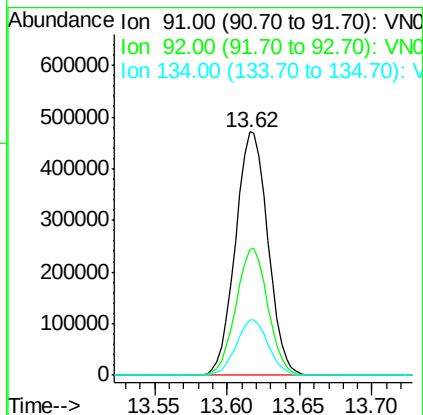
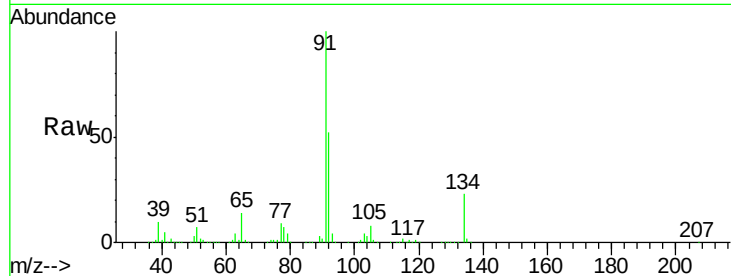
ClientSampled :

VSTDIC050

Tot Ion:	91	Resp:	733287
Ion Ratio	Lower	Upper	
91	100		
92	51.5	0.0	100.2
134	22.6	0.0	43.8

Manual Integrations
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#86

Hexachloroethane

Concen: 51.240 ug/l

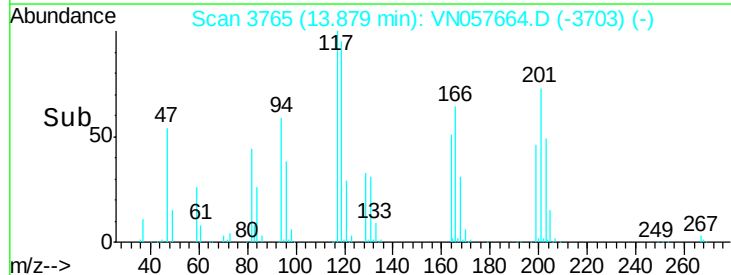
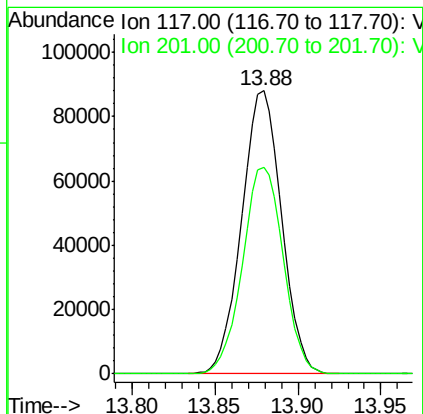
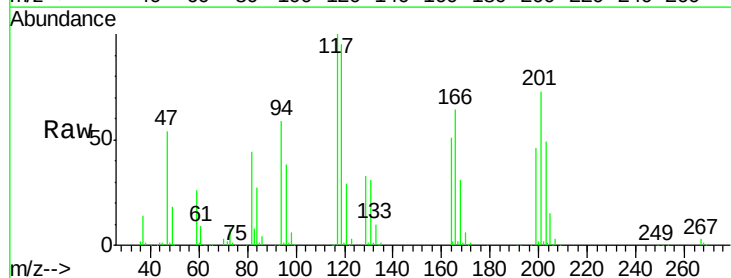
RT: 13.88 min Scan# 3765

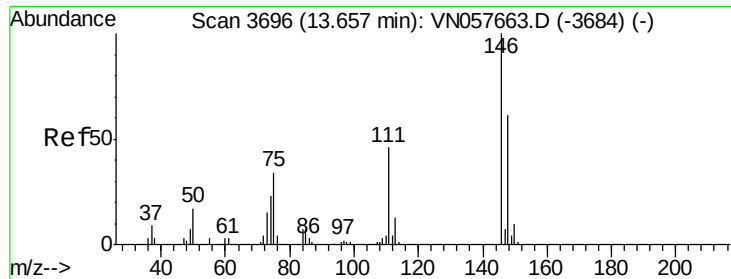
Delta R.T. -0.00 min

Lab File: VN057664.D

Acq: 3 Sep 2019 15:36

Tgt Ion:	117	Resp:	147891
Ion Ratio	Lower	Upper	
117	100		
201	74.5	34.1	102.2





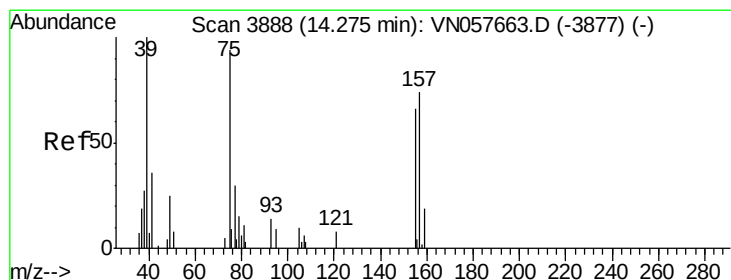
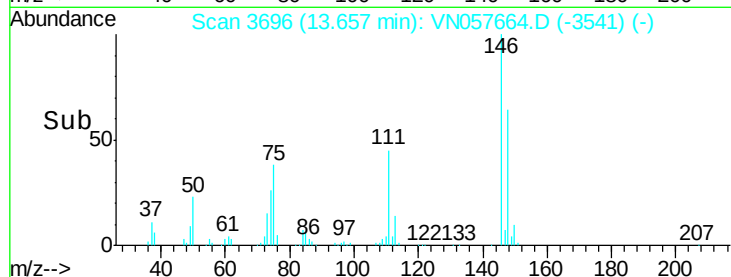
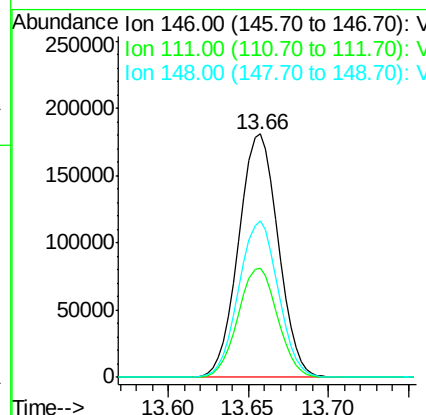
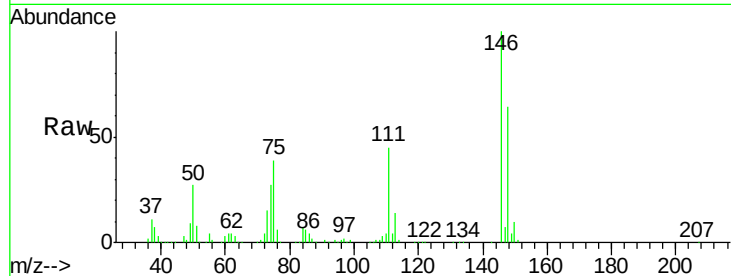
#87
 1,2-Dichlorobenzene
 Concen: 44.148 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN057664.D
 Acq: 3 Sep 2019 15:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.6	67.7
148	64.3	31.3	93.9

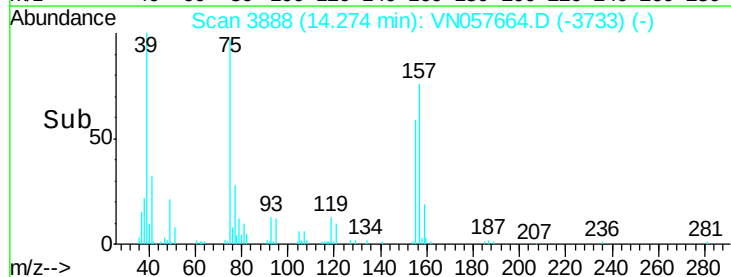
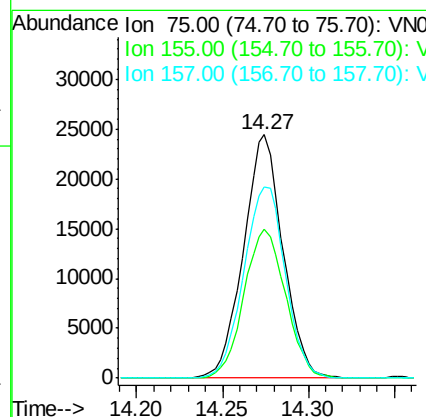
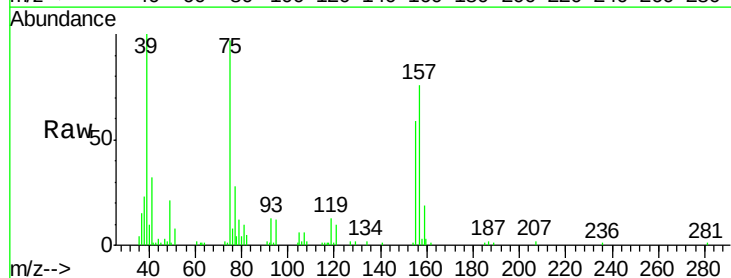
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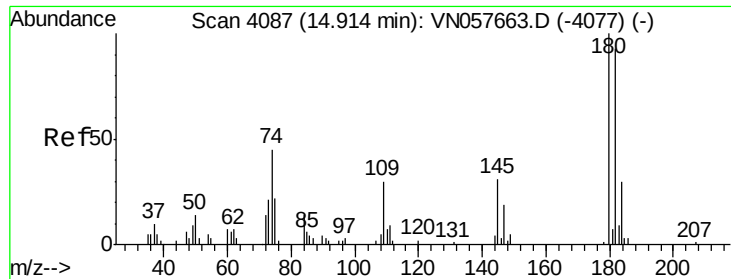
MMDadoda
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 55.090 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN057664.D
 Acq: 3 Sep 2019 15:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	64.3	54.6	82.0
157	82.7	65.5	98.3





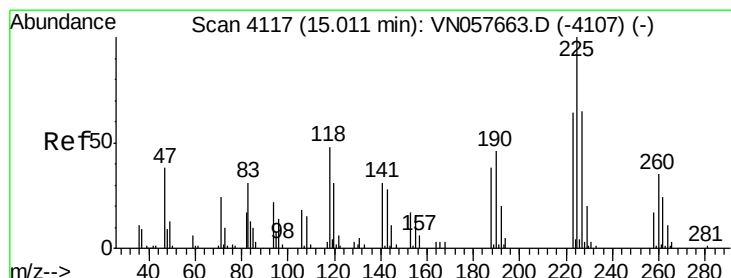
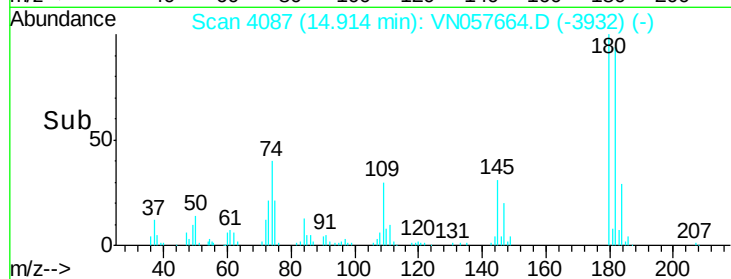
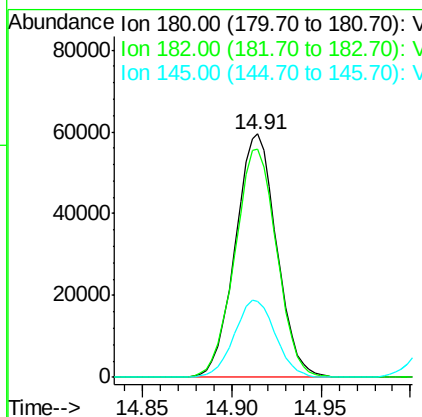
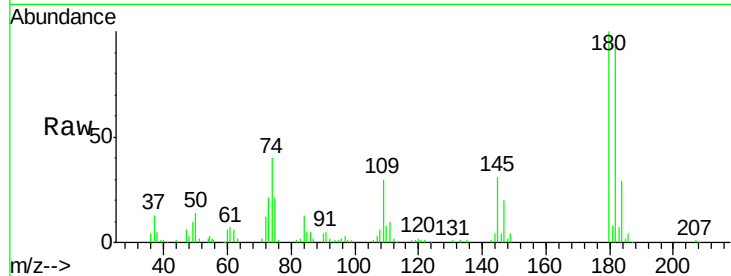
#89
 1,2,4-Trichlorobenzene
 Concen: 37.996 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN057664.D
 Acq: 3 Sep 2019 15:36

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	77.4	116.2
145	31.6	25.1	37.7

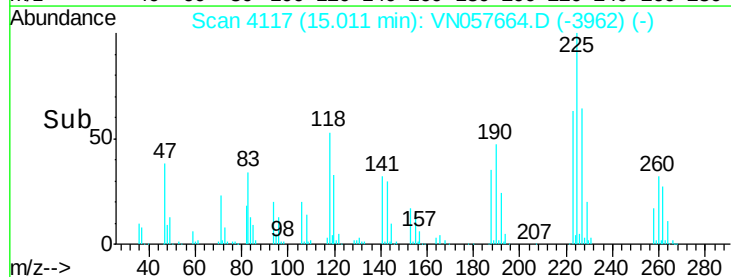
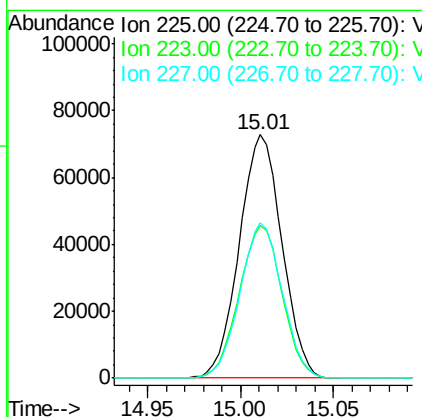
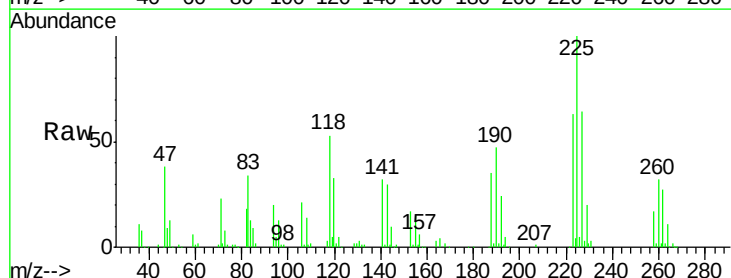
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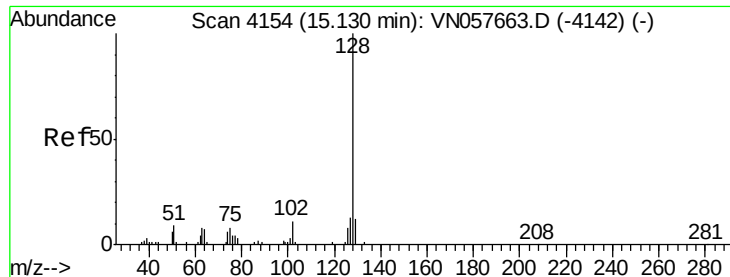
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#90
 Hexachlorobutadiene
 Concen: 50.511 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN057664.D
 Acq: 3 Sep 2019 15:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	0.0	131.0
227	63.1	0.0	128.6





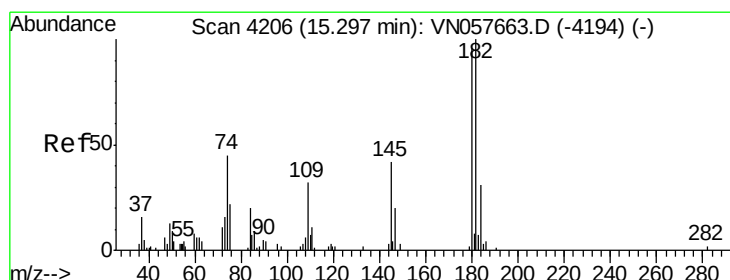
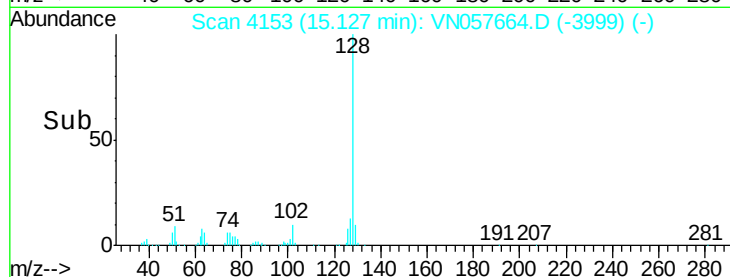
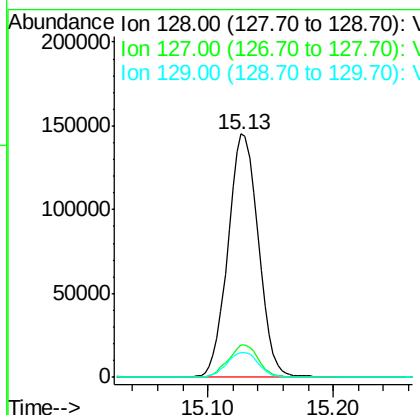
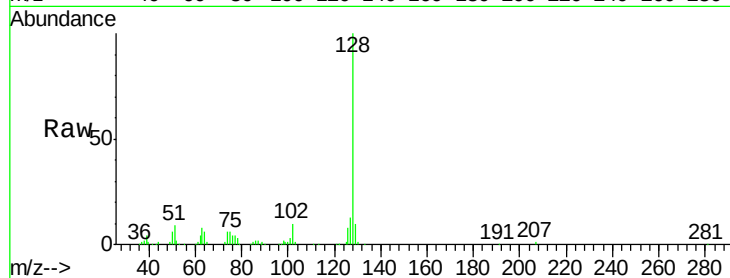
#91
Naphthalene
Concen: 35.512 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN057664.D
Acq: 3 Sep 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	245035		
127	13.3	10.3	15.5	
129	10.5	9.1	13.7	

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 36.972 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN057664.D
Acq: 3 Sep 2019 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	92388		
182	97.7	0.0	199.4	
145	34.0	0.0	73.2	

