

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090319\
 Data File : VN057674.D
 Acq On : 3 Sep 2019 20:05
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 9/5/2019 3:21:40 PM

Quant Time: Sep 04 03:25:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N090319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 04 02:08:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	60840	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	365743	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	316384	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	194559	30.08	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.27%
60) 4-Bromofluorobenzene	12.40	95	151186	27.97	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.23%
63) Toluene-d8	10.08	98	468049	30.72	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	86715	19.783 ug/l	95
3) Chloromethane	2.05	50	87085	18.840 ug/l	99
4) Vinyl Chloride	2.18	62	71144	18.821 ug/l	96
5) Bromomethane	2.53	94	47829m	19.792 ug/l	
6) Chloroethane	2.69	64	52962	19.187 ug/l	92
7) Trichlorofluoromethane	3.01	101	136795	18.895 ug/l	95
8) Diethyl Ether	3.40	74	45846	19.253 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	71229	18.932 ug/l	100
10) 1,1-Dichloroethene	3.73	96	65809	19.173 ug/l	93
11) Methyl Iodide	3.94	142	88098	18.535 ug/l	94
12) Methyl Acetate	4.31	43	98669	19.254 ug/l	99
13) Acrolein	3.59	56	25840	88.867 ug/l	97
14) Acrylonitrile	4.96	53	175531	94.114 ug/l	99
15) Acetone	3.80	58	43570	83.283 ug/l	99
16) Carbon Disulfide	4.04	76	154910	17.966 ug/l	99
17) Allyl chloride	4.31	41	141680	19.327 ug/l	97
18) Methylene Chloride	4.54	84	81949	19.053 ug/l	98
19) trans-1,2-Dichloroethene	5.03	96	68636	18.904 ug/l	98
20) Diisopropyl ether	5.93	45	303639	19.222 ug/l	94
21) 1,1-Dichloroethane	5.83	63	154077	18.924 ug/l	99
22) cis-1,2-Dichloroethene	6.82	96	82506	18.605 ug/l	98
23) tert-Butyl Alcohol	4.76	59	65880	97.143 ug/l	# 100
24) Methyl tert-Butyl Ether	5.02	73	259733	19.045 ug/l	100
25) Chloroform	7.36	83	161096	19.088 ug/l	100
26) Cyclohexane	7.64	56	129000	18.607 ug/l	# 100
29) 1,1-Dichloropropene	7.78	75	111819	19.145 ug/l	98
30) 2-Butanone	6.82	43	254351	92.191 ug/l	# 98
31) 2,2-Dichloropropane	6.81	77	125452	17.355 ug/l	# 71
32) 1,1,1-Trichloroethane	7.56	97	135529	18.744 ug/l	99
33) Carbon Tetrachloride	7.76	117	107928	18.381 ug/l	91
34) Benzene	8.03	78	318529	18.987 ug/l	96
35) Methacrylonitrile	7.16	41	44366	17.554 ug/l	99
36) 1,2-Dichloroethane	8.11	62	143529	19.198 ug/l	# 100
37) Trichloroethene	8.83	130	77058	19.344 ug/l	99
38) Methylcyclohexane	9.07	83	120242	18.553 ug/l	98
39) 1,2-Dichloropropane	9.11	63	88324	19.253 ug/l	91
40) Dibromomethane	9.20	93	56439	18.978 ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	121062	18.835	ug/l #	97
42) Vinyl Acetate	5.88	43	1215274	100.217	ug/l	100
43) Ethyl Acetate	6.91	43	104996	18.481	ug/l #	79
44) Isopropyl Acetate	8.15	43	200489	18.876	ug/l	100
45) 1,4-Dioxane	9.19	88	25402	372.560	ug/l	94
46) Methyl methacrylate	9.19	41	102755	19.938	ug/l	99
47) n-amyl Acetate	12.07	43	145784	17.698	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	119466	17.719	ug/l	95
49) cis-1,3-Dichloropropene	9.83	75	131669	18.304	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	77540	19.333	ug/l	98
51) Ethyl methacrylate	10.43	69	121026	18.510	ug/l	99
52) 1,3-Dichloropropane	10.71	76	137663	19.284	ug/l	99
53) Dibromochloromethane	10.90	129	74108	17.704	ug/l	100
54) 1,2-Dibromoethane	11.00	107	75969	18.948	ug/l	97
55) 2-Chloroethyl vinyl ether	9.69	63	179735	87.004	ug/l	99
56) Bromoform	12.13	173	42166	16.244	ug/l	98
58) 4-Methyl-2-Pentanone	9.98	43	574986	102.835	ug/l	99
59) 2-Hexanone	10.75	43	374779	94.722	ug/l	99
61) Tetrachloroethene	10.63	164	72572	19.976	ug/l	96
62) Toluene	10.15	91	349862	19.695	ug/l	98
64) Chlorobenzene	11.43	112	196099	18.800	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	72601	18.999	ug/l	98
66) Ethyl Benzene	11.51	91	386772	19.479	ug/l	97
67) m/p-Xylenes	11.62	106	261397	37.536	ug/l	99
68) o-Xylene	11.95	106	128327	18.506	ug/l	94
69) Styrene	11.96	104	204703	18.418	ug/l	98
70) Isopropylbenzene	12.25	105	365875	19.236	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	95487	19.081	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	89322m	18.979	ug/l	
73) Bromobenzene	12.53	156	72942	18.097	ug/l	99
74) n-propylbenzene	12.59	91	396449	18.829	ug/l	100
75) 2-Chlorotoluene	12.68	91	240288	18.230	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	295524	18.716	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	23001	16.010	ug/l	87
78) 4-Chlorotoluene	12.78	91	218590	17.454	ug/l	99
79) tert-butylbenzene	12.99	119	253723	18.710	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	281766	18.992	ug/l	99
81) sec-Butylbenzene	13.17	105	327527	18.742	ug/l	99
82) p-Isopropyltoluene	13.29	119	275006	18.528	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	104806	17.363	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	93510	16.410	ug/l	98
85) n-Butylbenzene	13.62	91	244301	18.725	ug/l	99
86) Hexachloroethane	13.88	117	47072	17.526	ug/l	100
87) 1,2-Dichlorobenzene	13.66	146	95333	17.118	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	10740	14.639	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	22884	11.859	ug/l	95
90) Hexachlorobutadiene	15.01	225	41157	19.230	ug/l	96
91) Naphthalene	15.13	128	57074	11.388	ug/l	97
92) 1,2,3-Trichlorobenzene	15.29	180	23158	12.351	ug/l	94

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

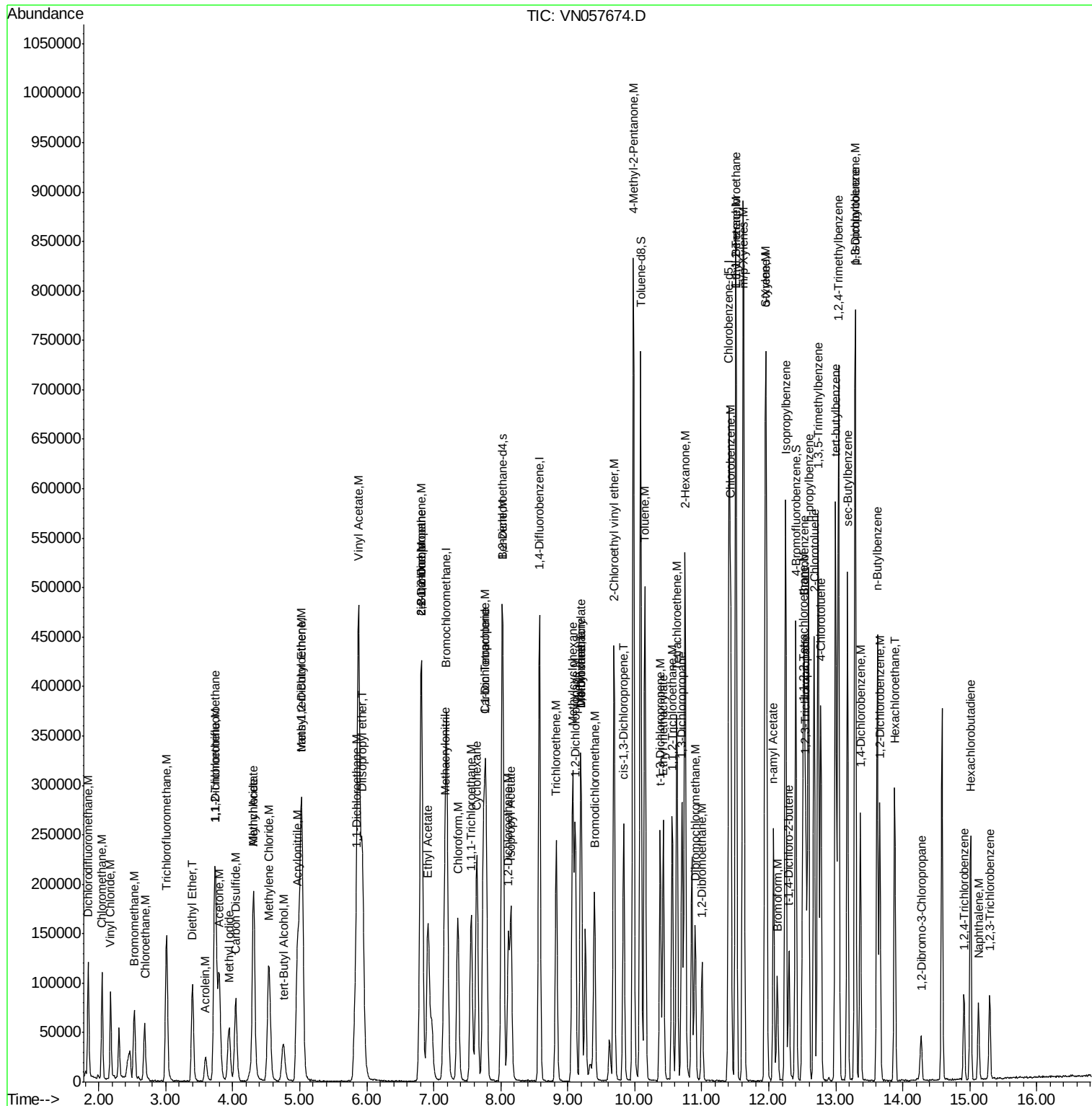
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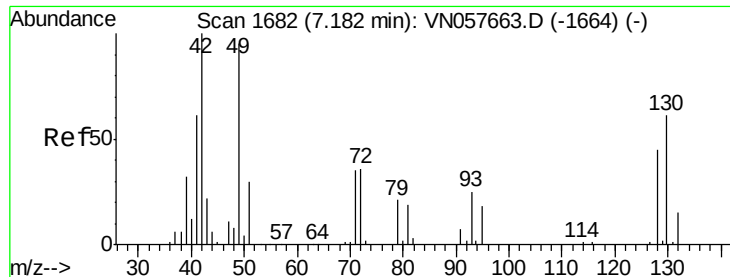
Instrument :
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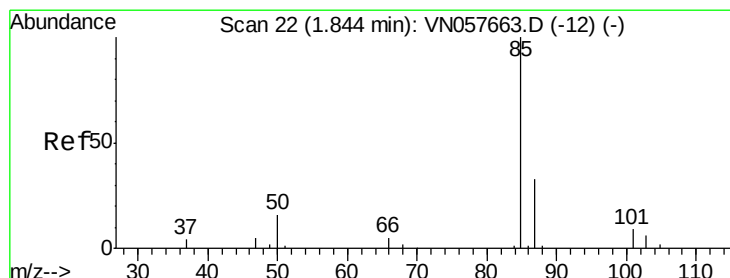
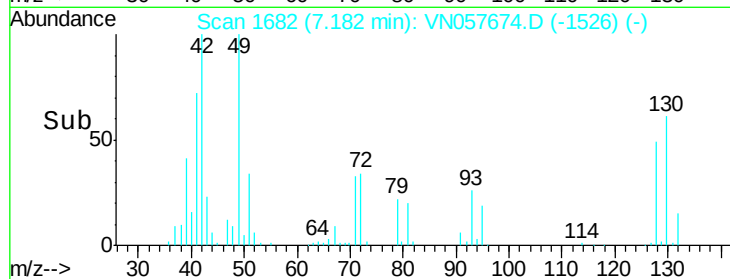
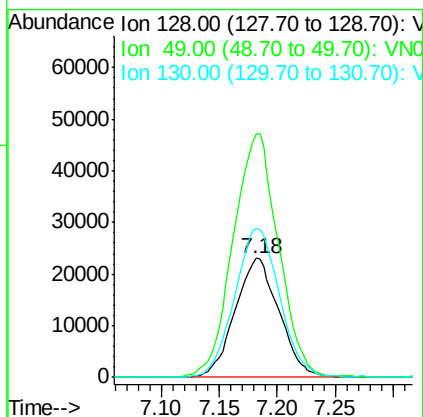
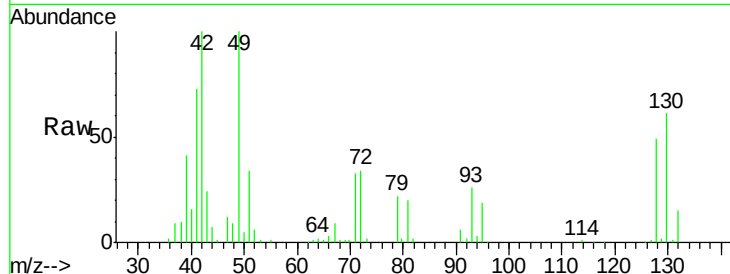
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.18 min Scan# 1682
 Delta R.T. 0.00 min
 Lab File: VN057674.D
 Acq: 3 Sep 2019 20:05

Instrument :
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 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
128	100		
49	210.8	0.0	544.5
130	127.5	0.0	324.7

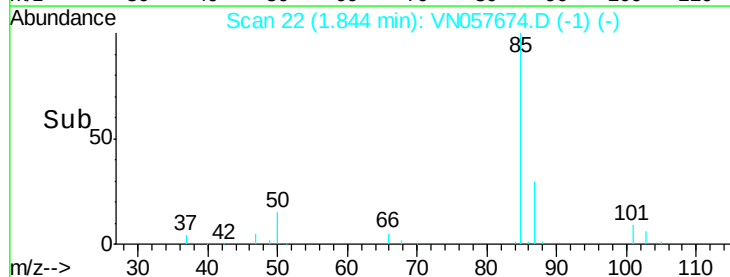
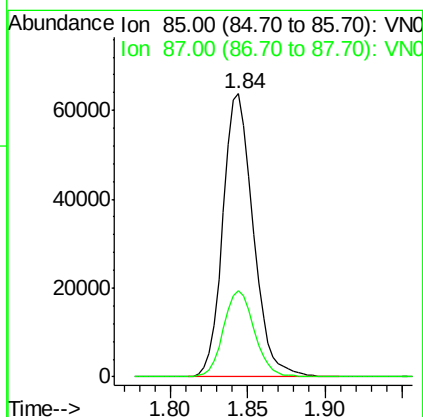
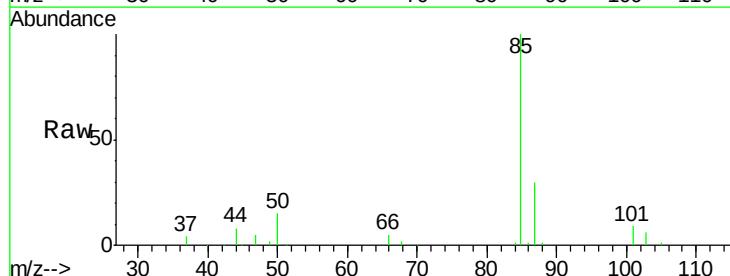
Manual Integrations
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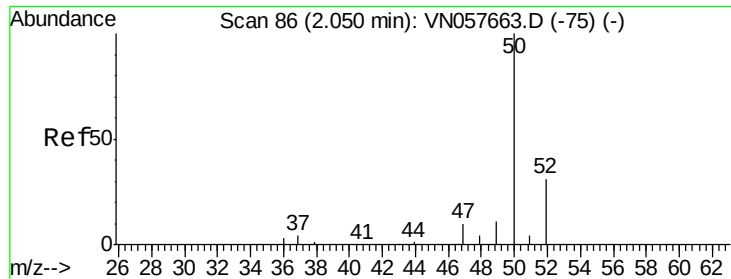
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#2
 Dichlorodifluoromethane
 Concen: 19.783 ug/l
 RT: 1.84 min Scan# 22
 Delta R.T. 0.00 min
 Lab File: VN057674.D
 Acq: 3 Sep 2019 20:05

Tgt Ion	Ratio	Lower	Upper
85	100		
87	30.4	16.6	49.7





#3

Chloromethane

Concen: 18.840 ug/l

RT: 2.05 min Scan# 86

Delta R.T. 0.00 min

Lab File: VN057674.D

Acq: 3 Sep 2019 20:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 87085

Ion Ratio Lower Upper

50 100

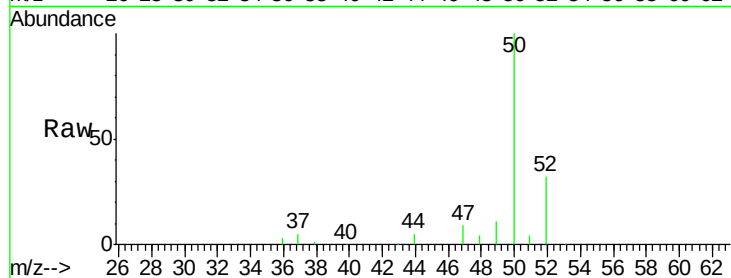
52 32.2 25.2 37.8

Manual Integrations

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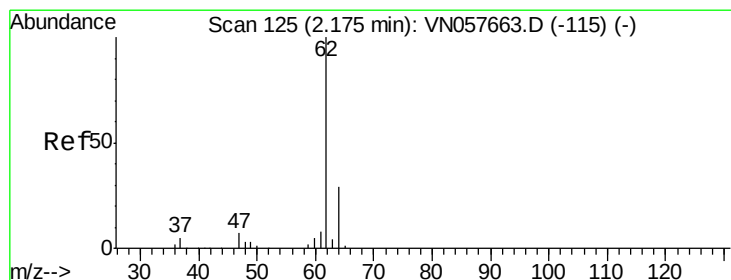
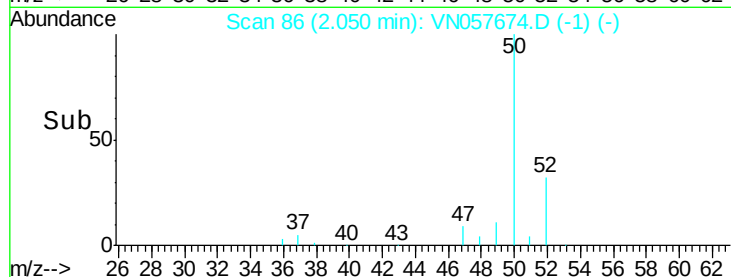
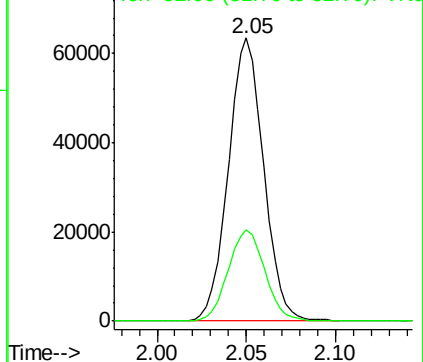
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 18.821 ug/l

RT: 2.18 min Scan# 125

Delta R.T. 0.00 min

Lab File: VN057674.D

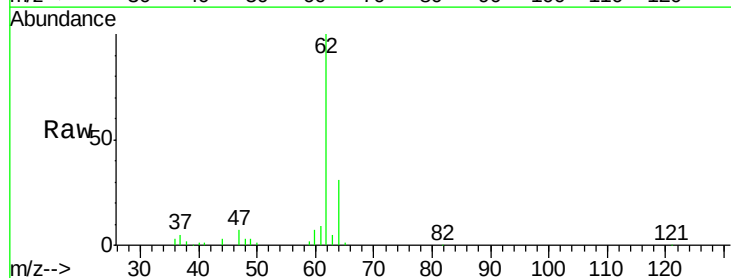
Acq: 3 Sep 2019 20:05

Tgt Ion: 62 Resp: 71144

Ion Ratio Lower Upper

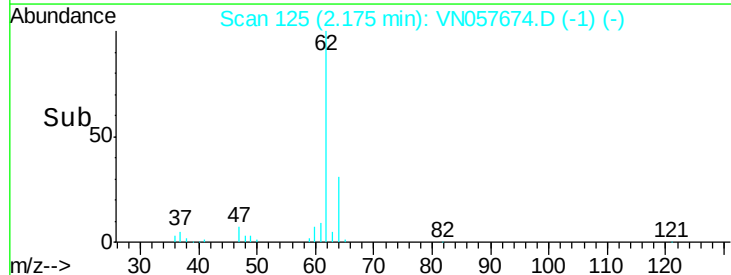
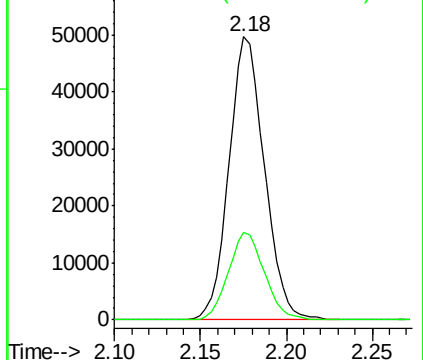
62 100

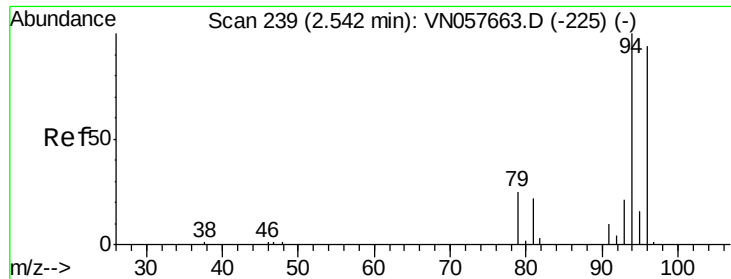
64 31.1 23.2 34.8



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 19.792 ug/l m

RT: 2.53 min Scan# 235

Delta R.T. -0.01 min

Lab File: VN057674.D

Acq: 3 Sep 2019 20:05

Tot Ion: 94 Resp: 47829

Ion Ratio Lower Upper

94 100

96 91.1 75.6 113.4

Instrument :

MSVOA_N

ClientSampleId :

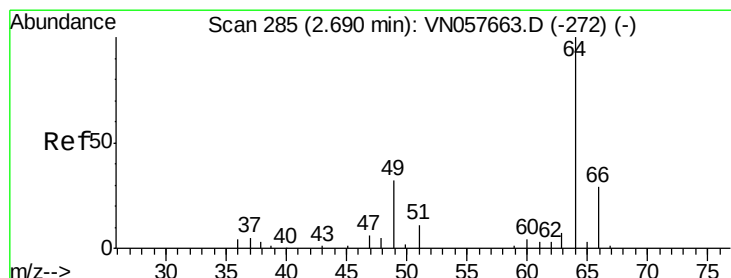
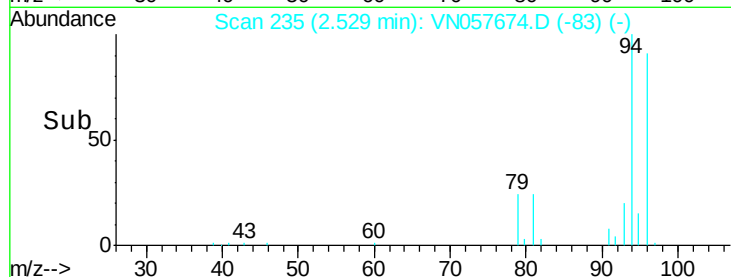
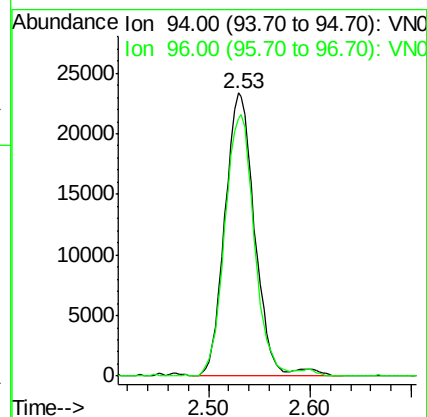
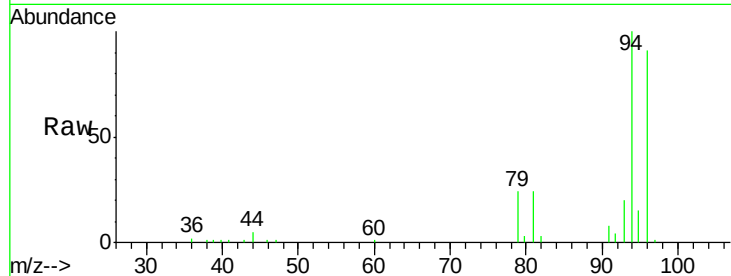
VSTDCCC020EC

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#6

Chloroethane

Concen: 19.187 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN057674.D

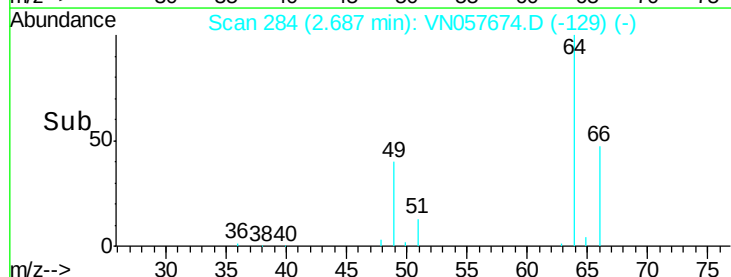
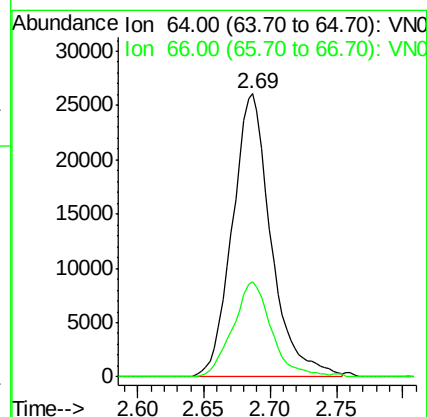
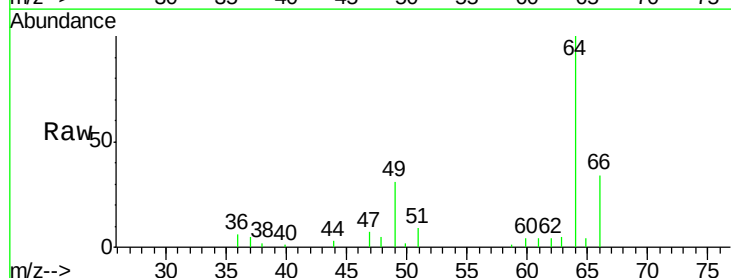
Acq: 3 Sep 2019 20:05

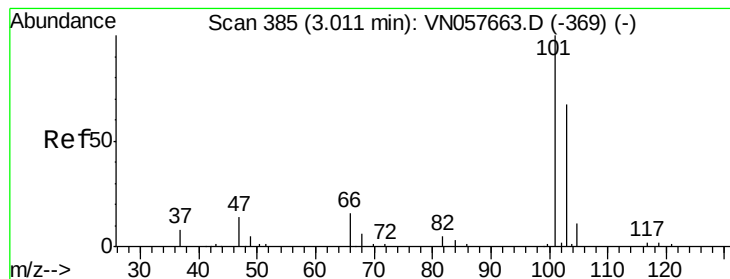
Tgt Ion: 64 Resp: 52962

Ion Ratio Lower Upper

64 100

66 33.7 23.5 35.3





#7

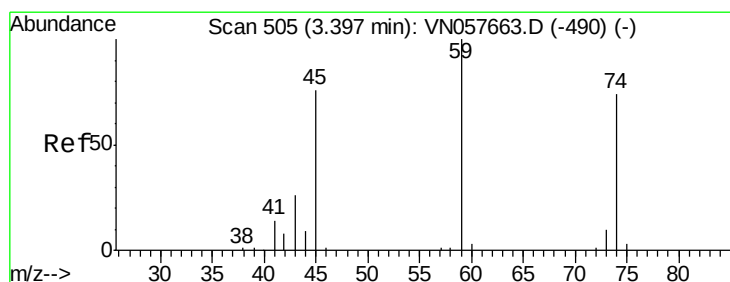
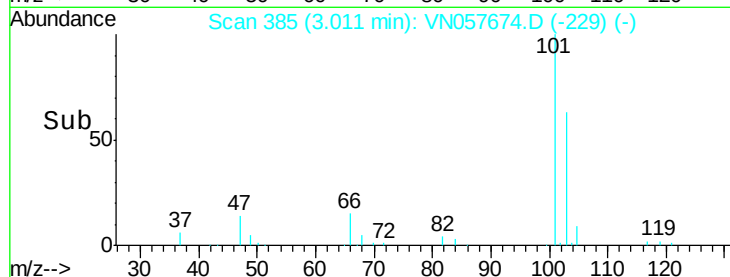
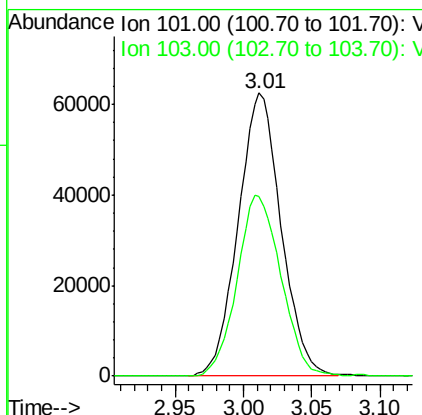
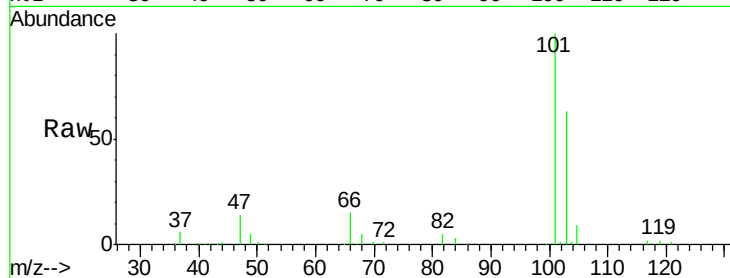
Trichlorofluoromethane
 Concen: 18.895 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VN057674.D
 Acq: 3 Sep 2019 20:05

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	53.6	80.4

Manual Integrations
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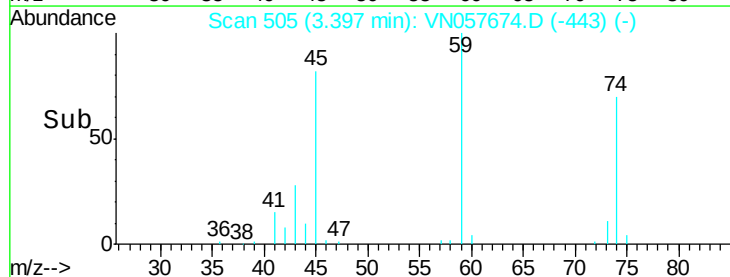
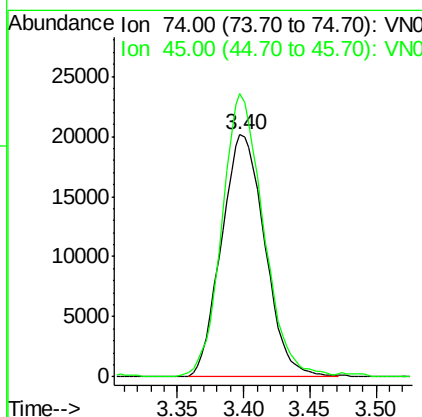
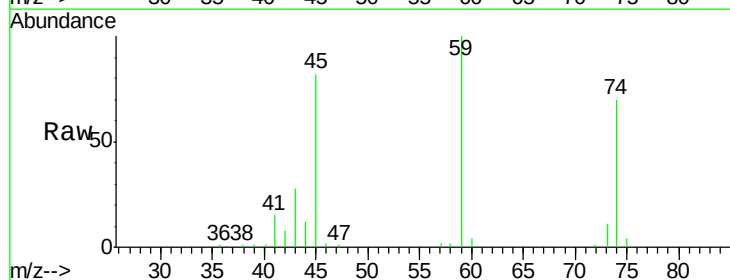
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 9/5/2019 3:21:40 PM

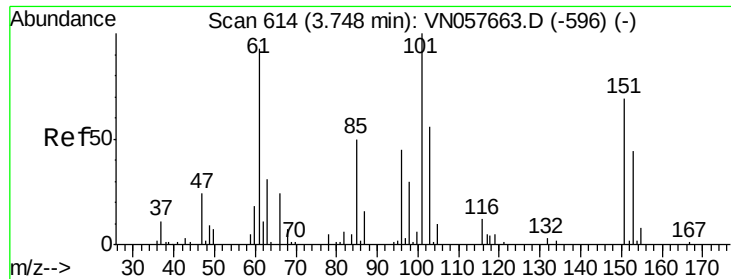


#8

Diethyl Ether
 Concen: 19.253 ug/l
 RT: 3.40 min Scan# 505
 Delta R.T. 0.00 min
 Lab File: VN057674.D
 Acq: 3 Sep 2019 20:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.8	22.9	205.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.932 ug/l

RT: 3.75 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN057674.D

Acq: 3 Sep 2019 20:05

Instrument :

MSVOA_N

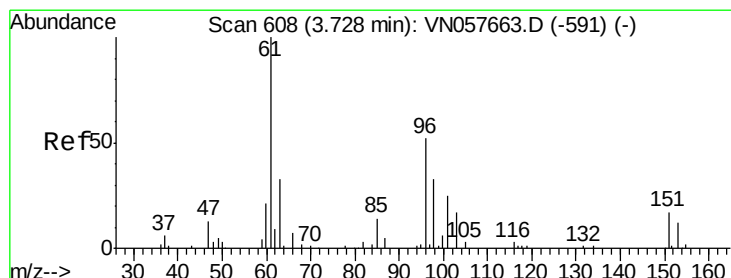
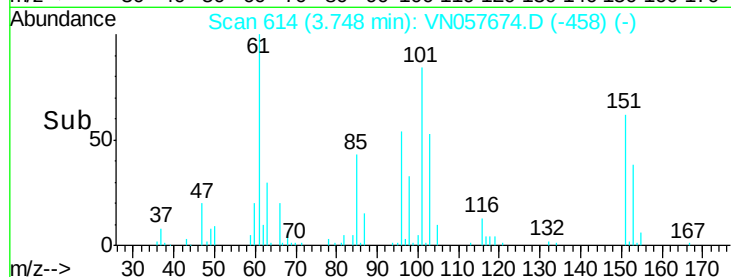
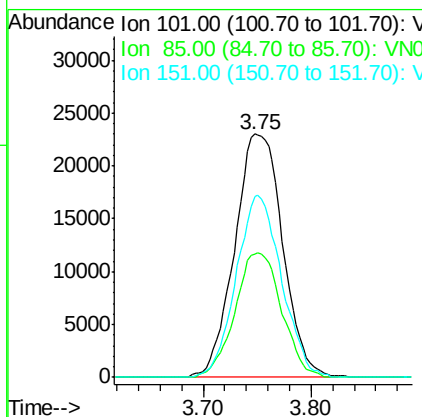
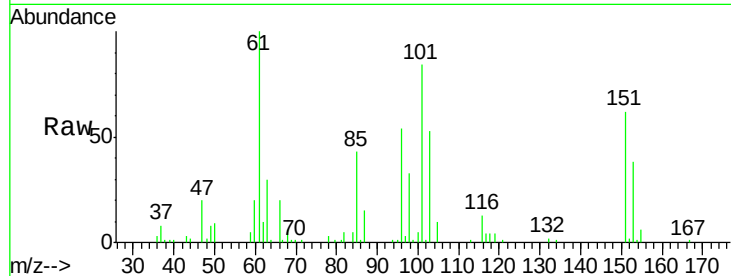
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	71229
Ion Ratio	Lower	Upper	
101	100		
85	49.7	0.0	100.2
151	70.6	0.0	140.6

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MMDadoda
9/5/2019 3:21:40 PM



#10

1,1-Dichloroethene

Concen: 19.173 ug/l

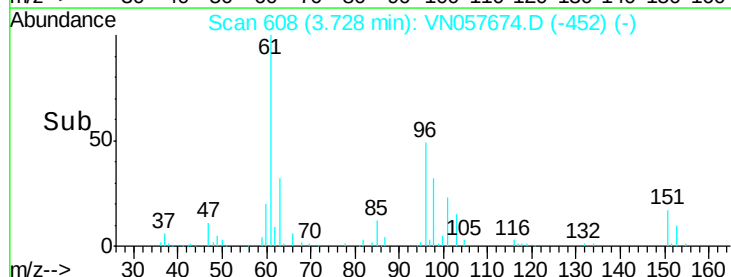
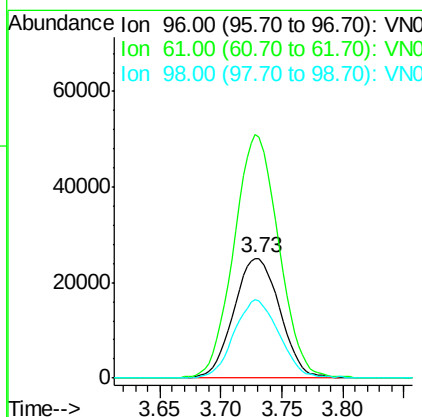
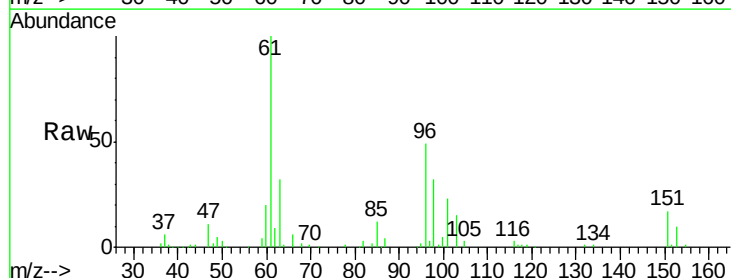
RT: 3.73 min Scan# 608

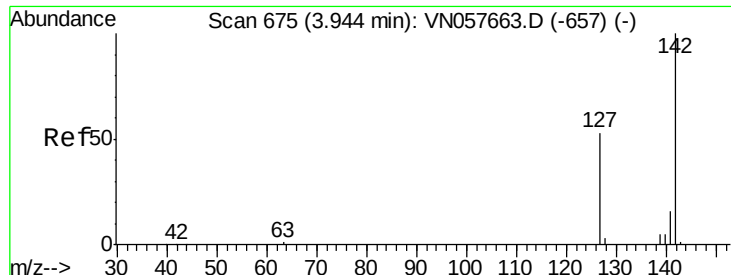
Delta R.T. 0.00 min

Lab File: VN057674.D

Acq: 3 Sep 2019 20:05

Tgt Ion:	96	Resp:	65809
Ion Ratio	Lower	Upper	
96	100		
61	202.7	152.9	229.3
98	65.9	51.0	76.4





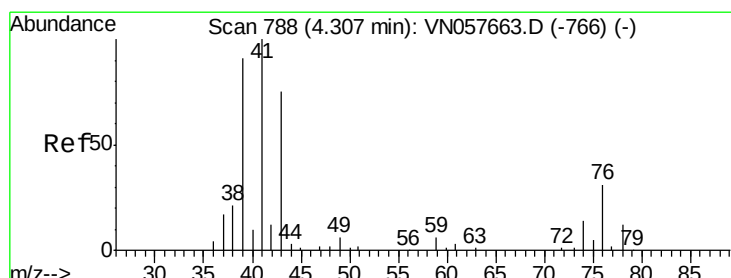
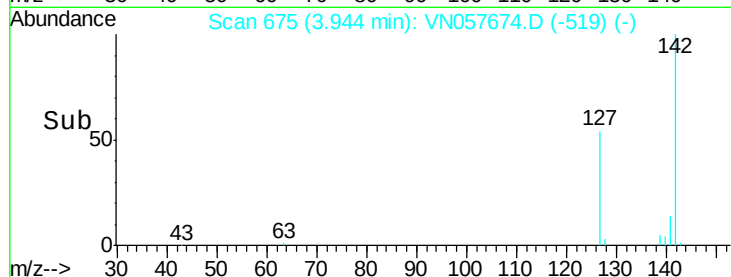
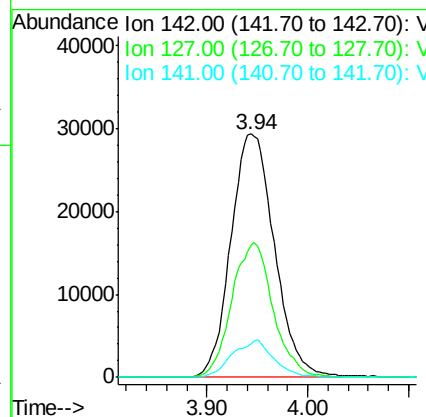
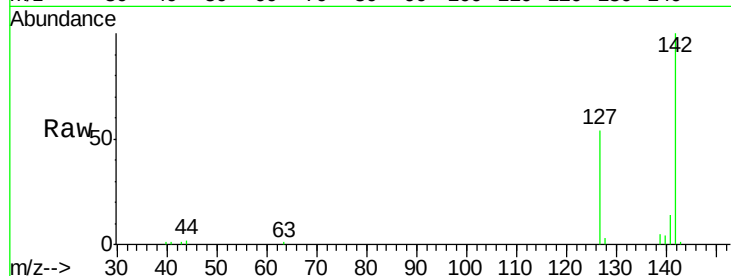
#11
Methvl Iodide
Concen: 18.535 ug/l
RT: 3.94 min Scan# 675
Delta R.T. 0.00 min
Lab File: VN057674.D
Acq: 3 Sep 2019 20:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	57.4	26.2	78.5
141	13.9	7.6	22.9

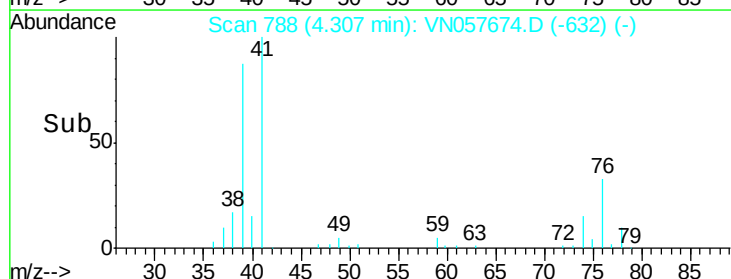
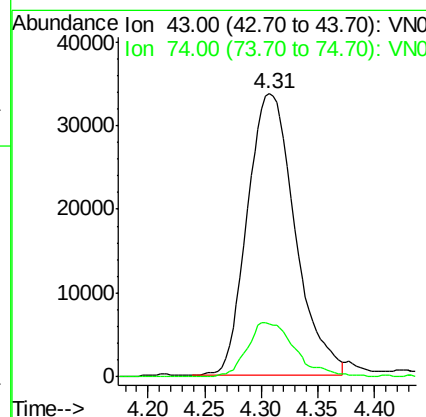
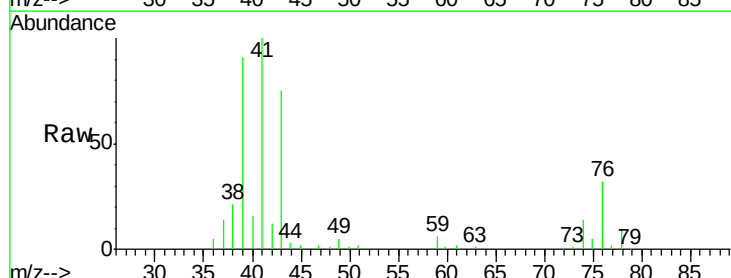
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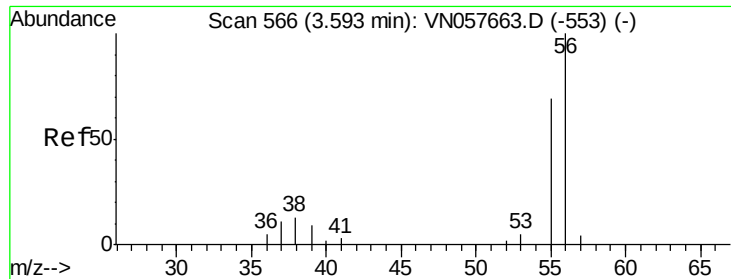
MMDadoda
9/5/2019 3:21:40 PM



#12
Methyl Acetate
Concen: 19.254 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN057674.D
Acq: 3 Sep 2019 20:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.8	14.6	22.0





#13

Acrolein

Concen: 88.867 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN057674.D

Acq: 3 Sep 2019 20:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 25840

Ion Ratio Lower Upper

56 100

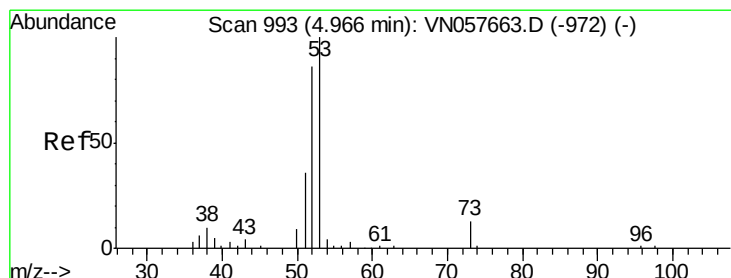
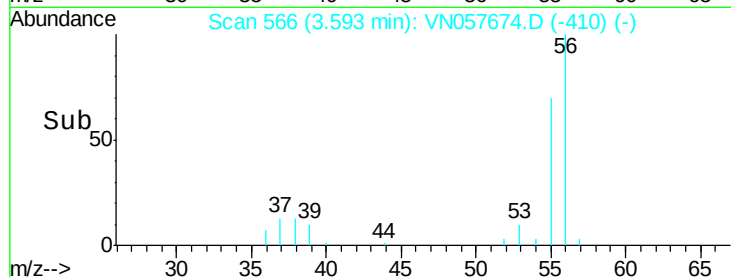
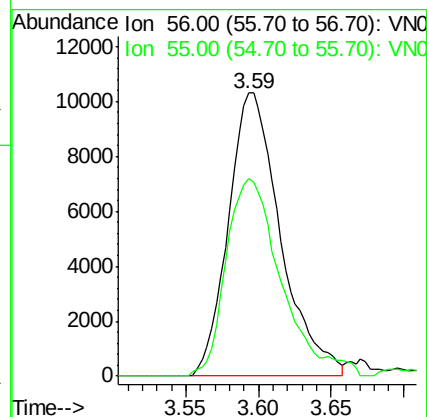
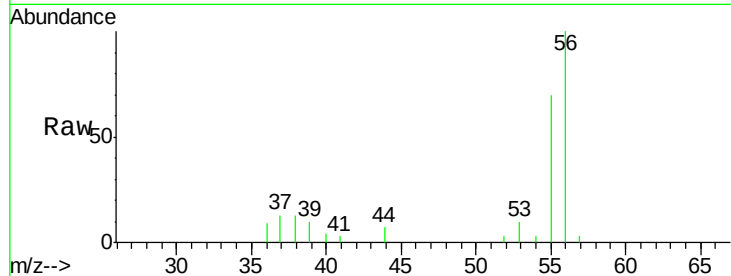
55 70.3 54.2 81.4

Manual Integrations

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MMDadoda

9/5/2019 3:21:40 PM



#14

Acrylonitrile

Concen: 94.114 ug/l

RT: 4.96 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN057674.D

Acq: 3 Sep 2019 20:05

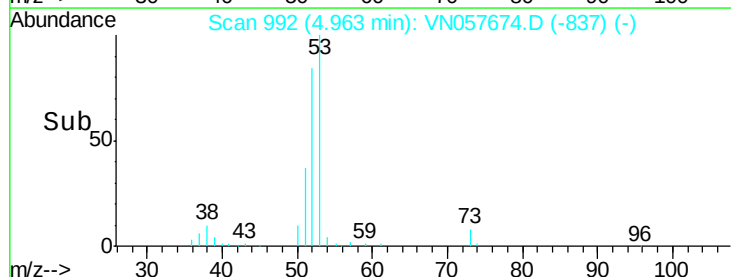
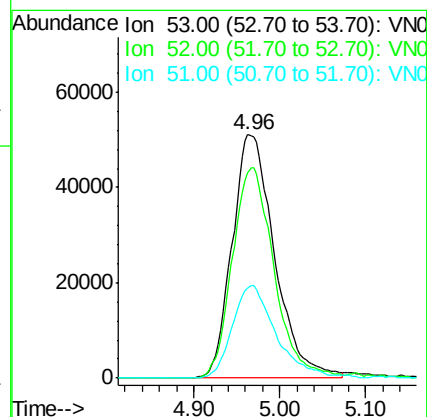
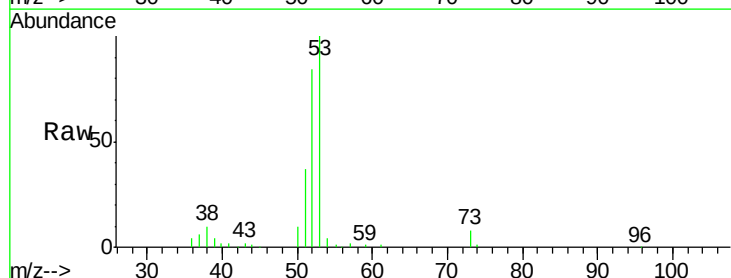
Tgt Ion: 53 Resp: 175531

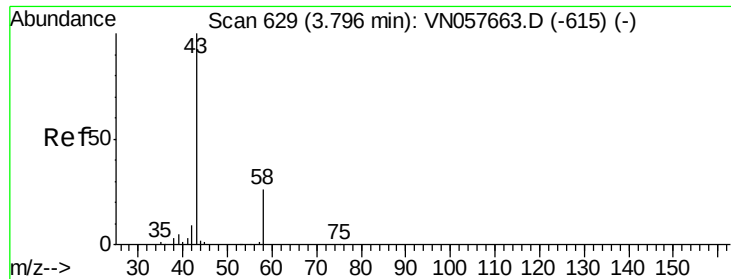
Ion Ratio Lower Upper

53 100

52 84.8 41.9 125.7

51 38.7 19.4 58.2





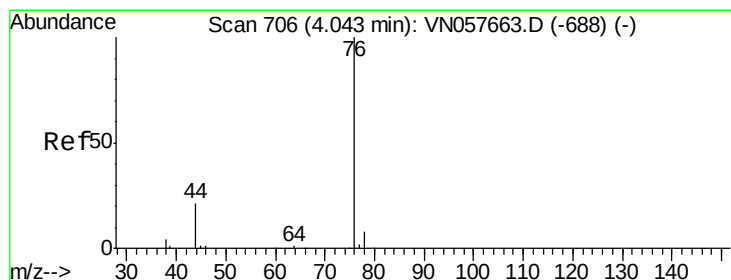
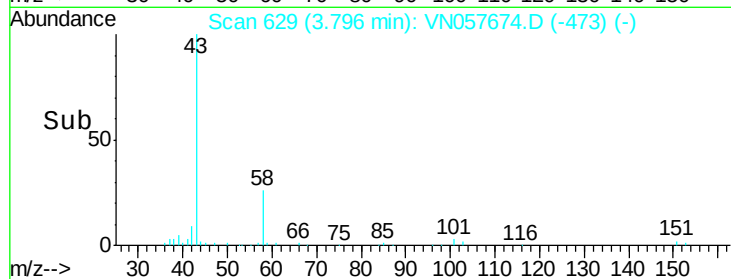
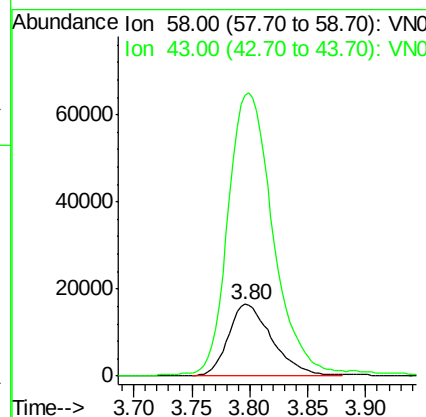
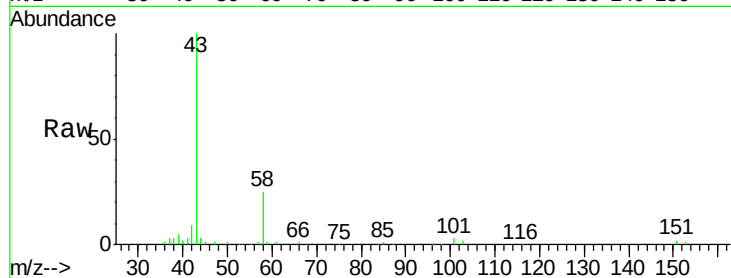
#15
Acetone
Concen: 83.283 ug/l
RT: 3.80 min Scan# 629
Delta R.T. 0.00 min
Lab File: VN057674.D
Acq: 3 Sep 2019 20:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 58 Resp: 43570
Ion Ratio Lower Upper
58 100
43 387.3 308.8 463.2

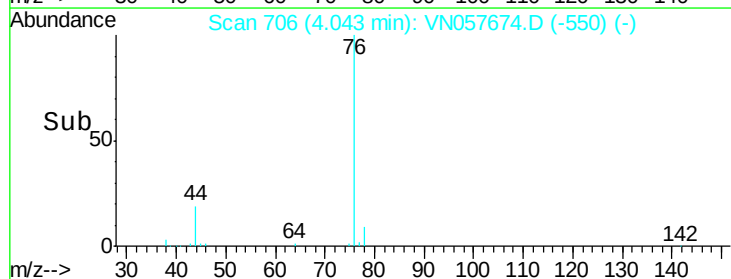
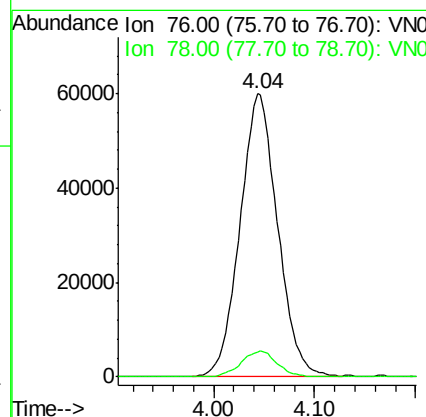
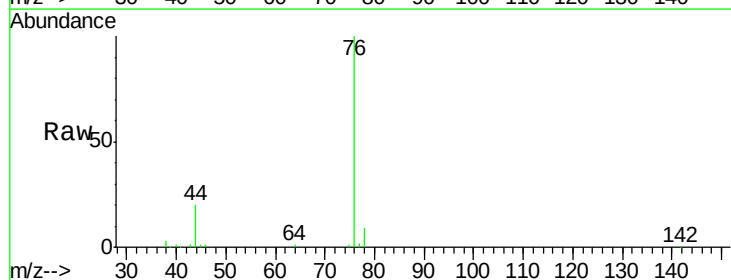
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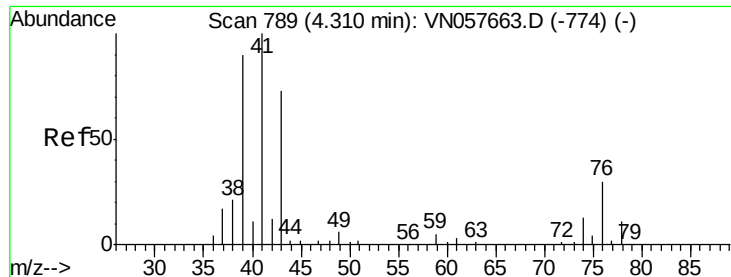
MMDadoda
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#16
Carbon Disulfide
Concen: 17.966 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN057674.D
Acq: 3 Sep 2019 20:05

Tgt Ion: 76 Resp: 154910
Ion Ratio Lower Upper
76 100
78 8.7 6.8 10.2





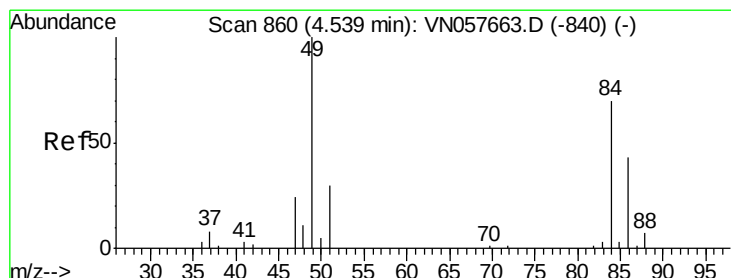
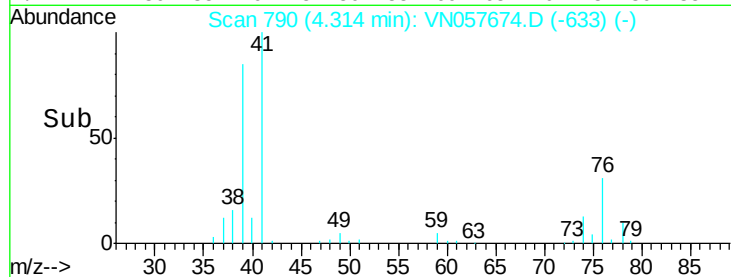
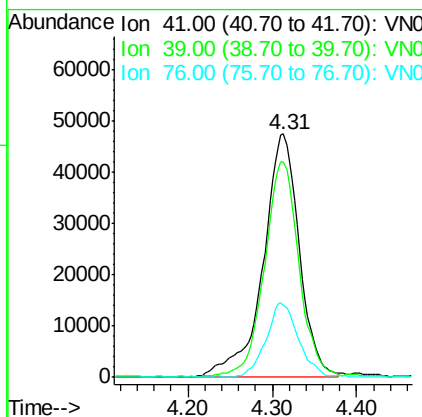
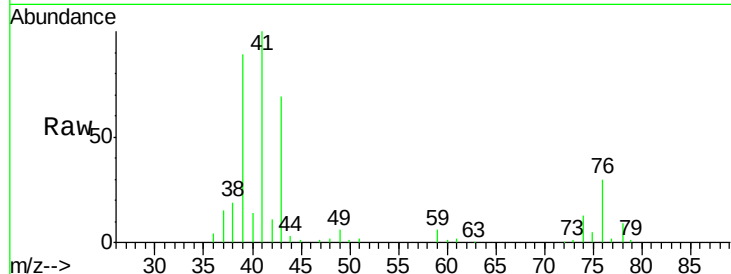
#17
Allvl chloride
Concen: 19.327 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN057674.D
Acq: 3 Sep 2019 20:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:	41	Resp:	141680
Ion	Ratio	Lower	Upper
41	100		
39	88.5	43.0	128.8
76	29.4	14.2	42.8

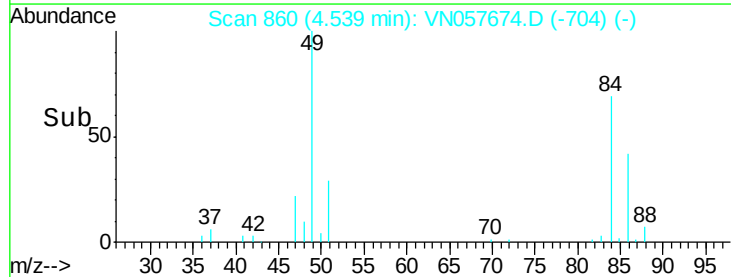
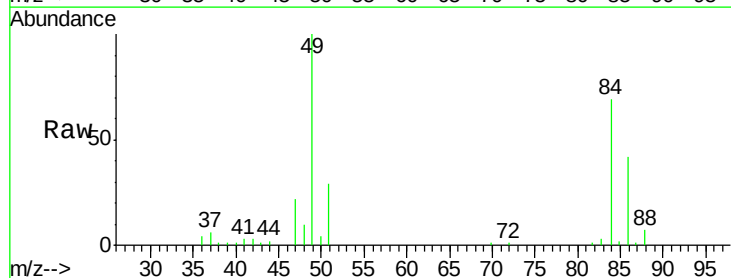
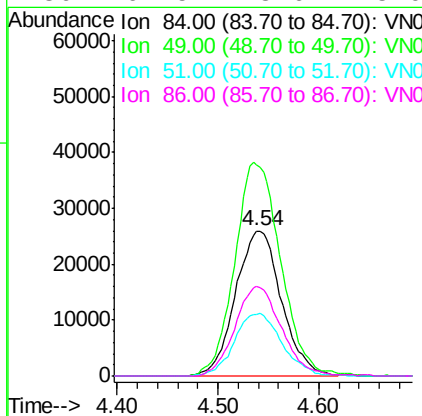
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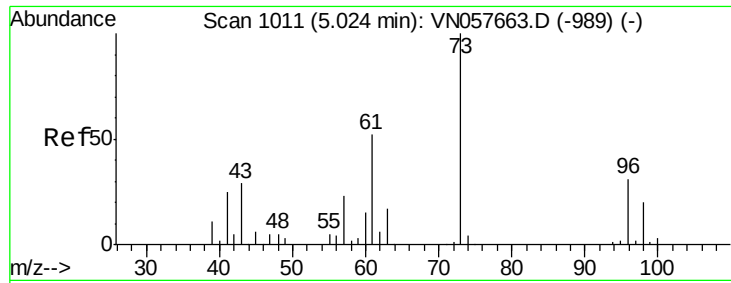
MMDadoda
9/5/2019 3:21:40 PM



#18
Methylene Chloride
Concen: 19.053 ug/l
RT: 4.54 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN057674.D
Acq: 3 Sep 2019 20:05

Tgt Ion:	84	Resp:	81949
Ion	Ratio	Lower	Upper
84	100		
49	145.9	113.7	170.5
51	42.8	34.5	51.7
86	61.5	48.6	73.0





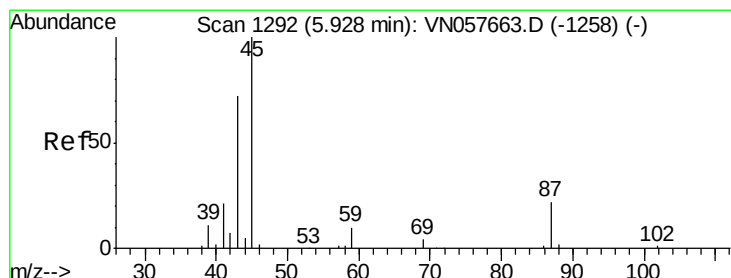
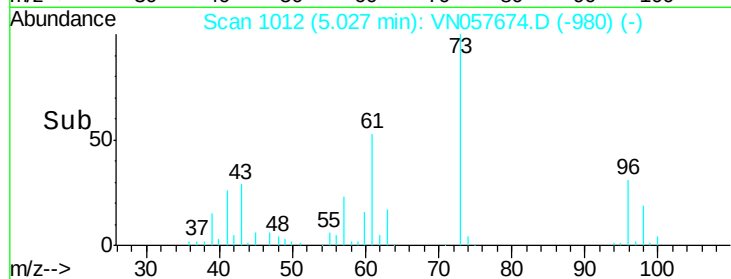
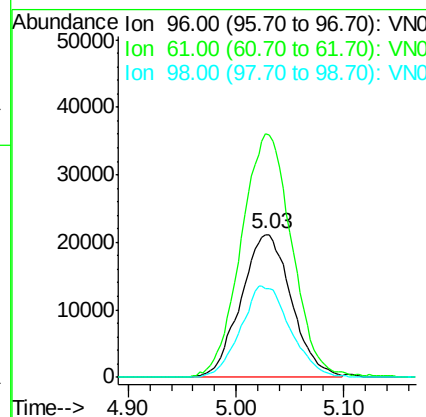
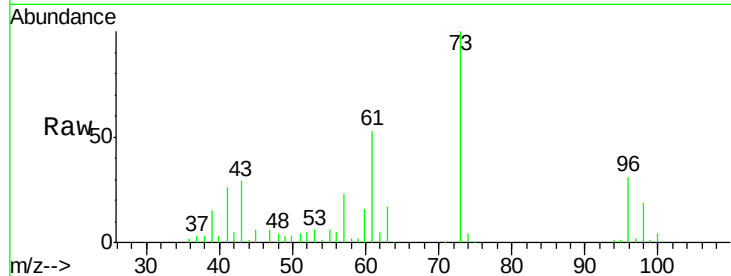
#19
trans-1,2-Dichloroethene
Concen: 18.904 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN057674.D
Acq: 3 Sep 2019 20:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	169.9	133.4	200.0
98	62.7	50.4	75.6

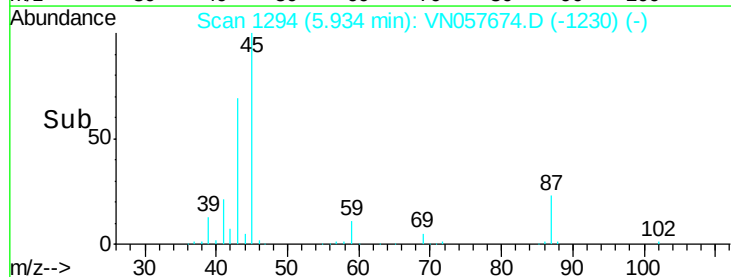
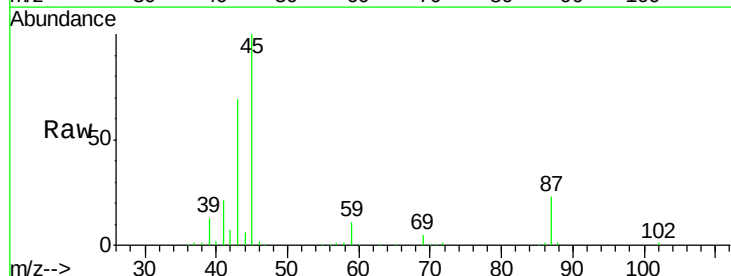
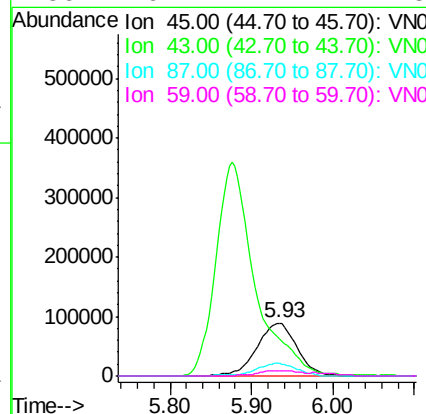
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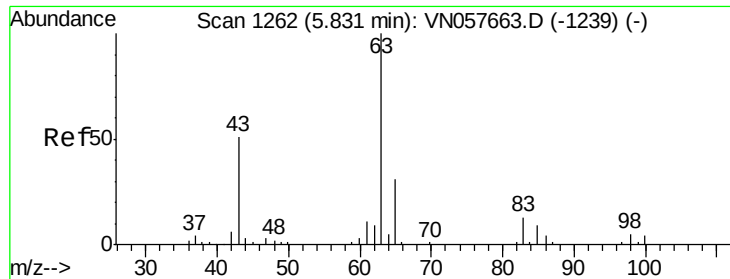
MMDadoda
9/5/2019 3:21:40 PM



#20
Diisopropyl ether
Concen: 19.222 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VN057674.D
Acq: 3 Sep 2019 20:05

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.4	58.3	87.5
87	23.3	18.5	27.7
59	10.2	7.7	11.5





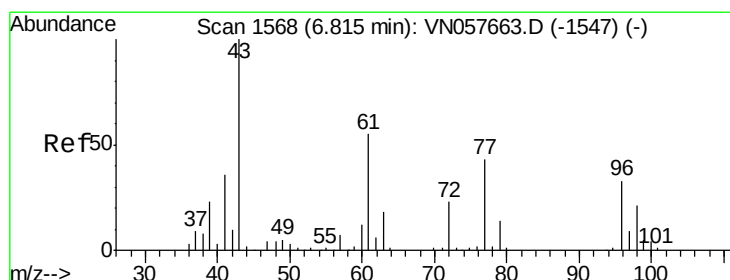
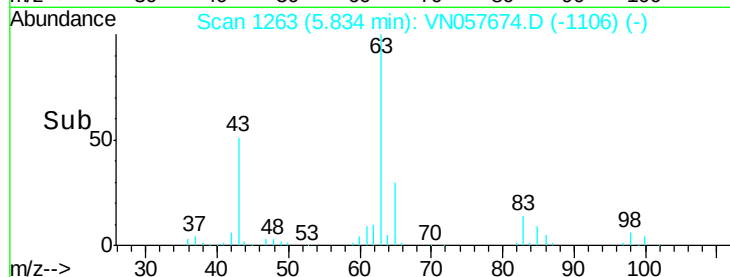
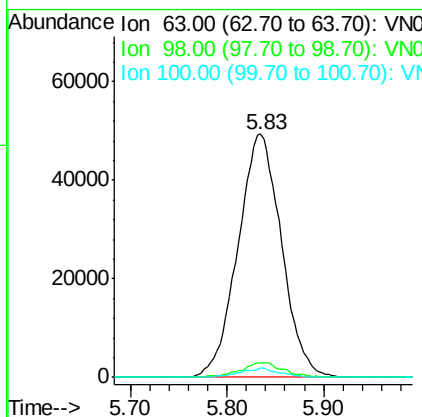
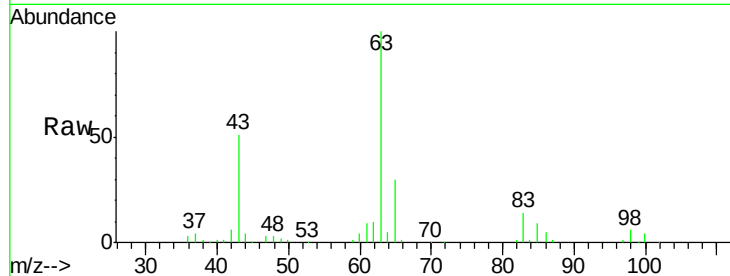
#21
 1,1-Dichloroethane
 Concen: 18.924 ug/l
 RT: 5.83 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VN057674.D
 Acq: 3 Sep 2019 20:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
98	5.8	2.6	7.8
100	3.7	1.8	5.5

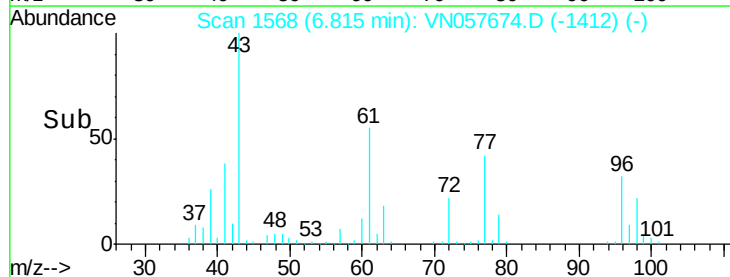
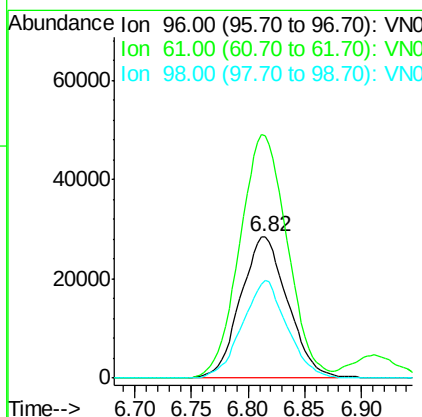
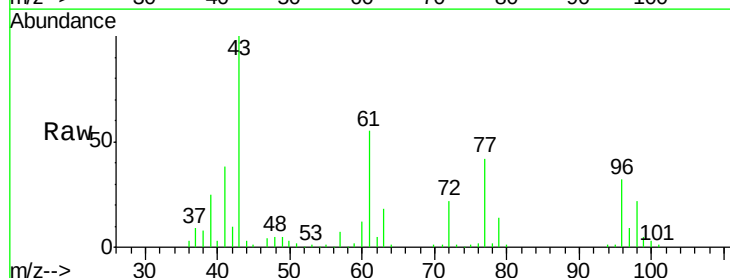
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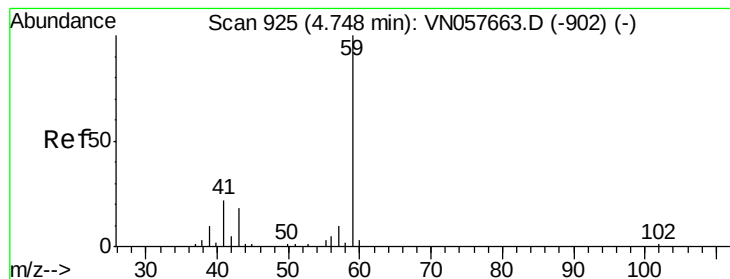
MMDadoda
 9/5/2019 3:21:40 PM



#22
 cis-1,2-Dichloroethene
 Concen: 18.605 ug/l
 RT: 6.82 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN057674.D
 Acq: 3 Sep 2019 20:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.1	137.2	205.8
98	65.6	50.5	75.7





#23

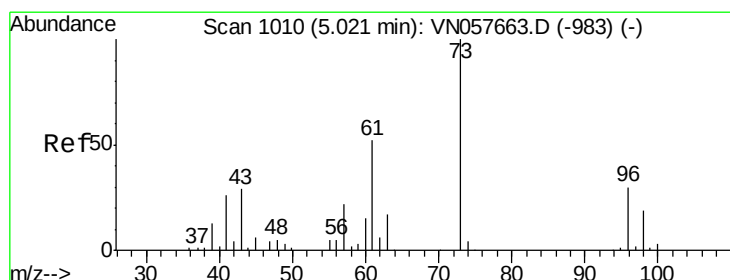
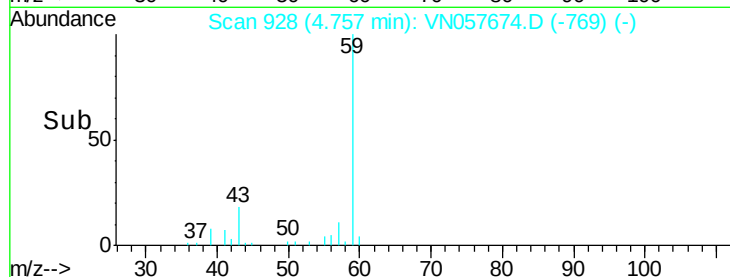
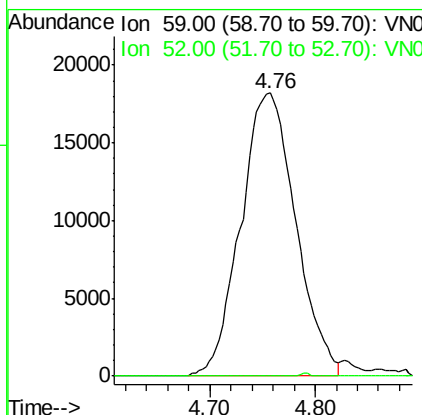
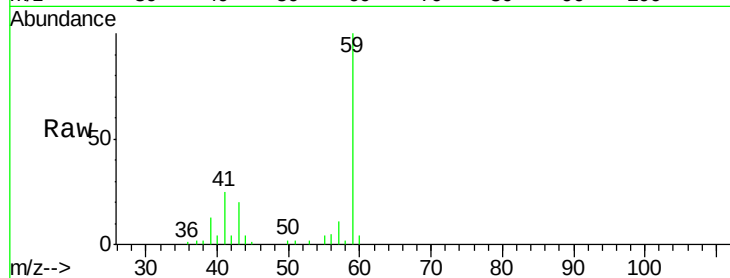
tert-Butyl Alcohol
 Concen: 97.143 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.01 min
 Lab File: VN057674.D
 Acq: 3 Sep 2019 20:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.2	0.0	0.0#

Manual Integrations
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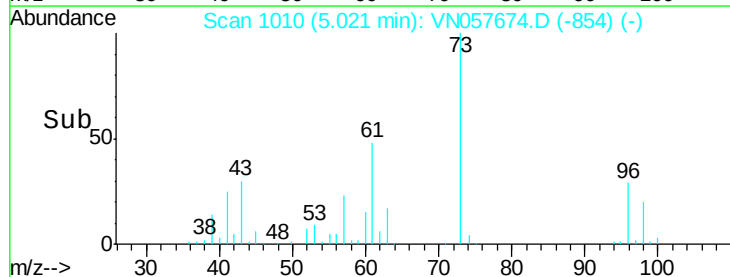
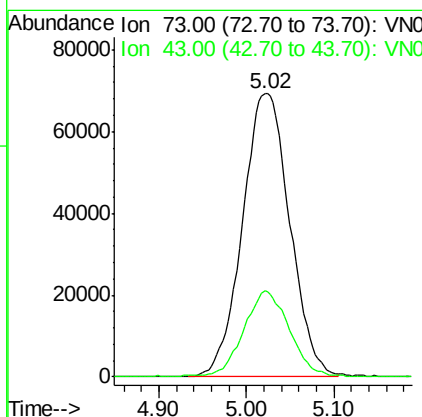
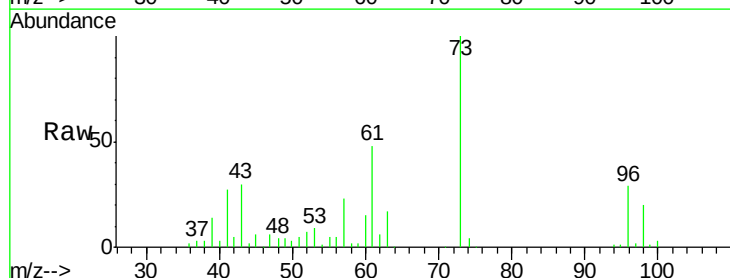
MMDadoda
 9/5/2019 3:21:40 PM

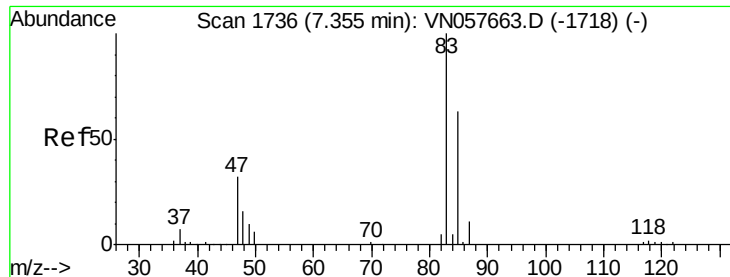


#24

Methyl tert-Butyl Ether
 Concen: 19.045 ug/l
 RT: 5.02 min Scan# 1010
 Delta R.T. 0.00 min
 Lab File: VN057674.D
 Acq: 3 Sep 2019 20:05

Tgt Ion	Ratio	Lower	Upper
73	100		
43	29.0	23.2	34.8





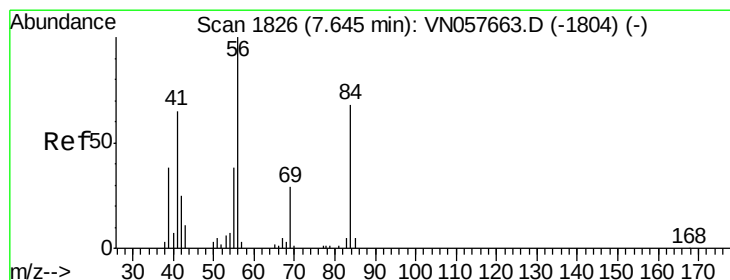
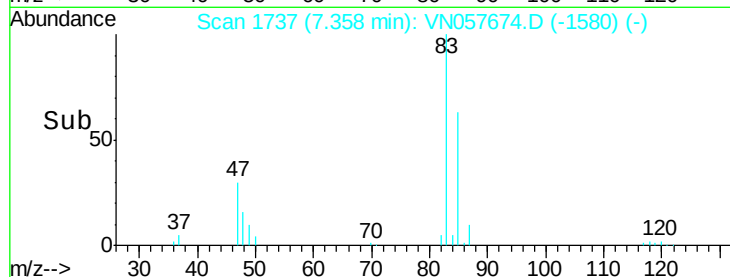
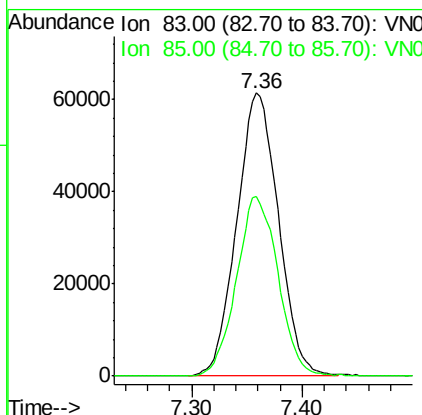
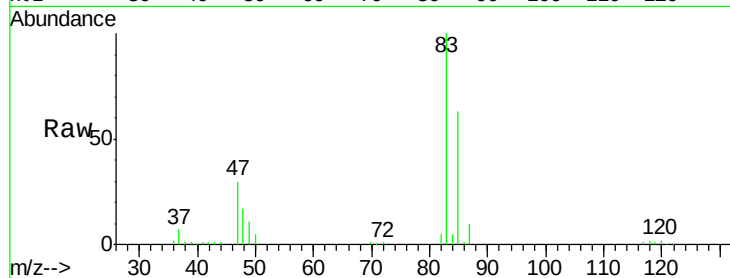
#25
Chloroform
Concen: 19.088 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057674.D
Acq: 3 Sep 2019 20:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	83	Resp	161096
Ion Ratio	100	Lower	Upper
83	100		
85	63.3	50.8	76.2

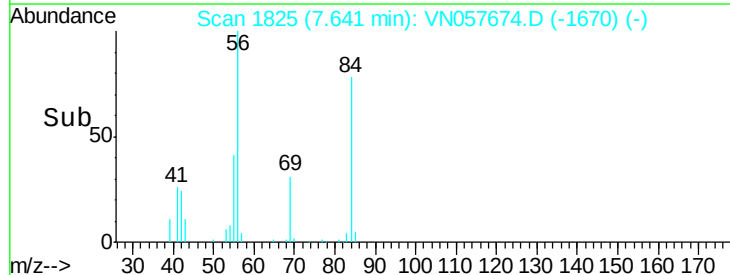
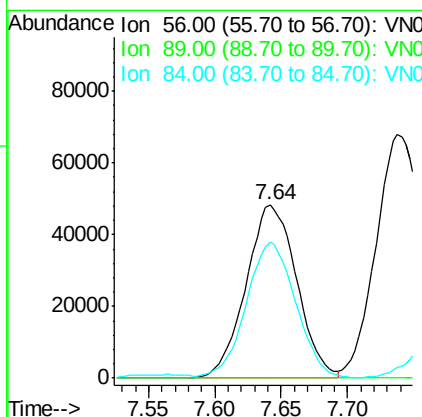
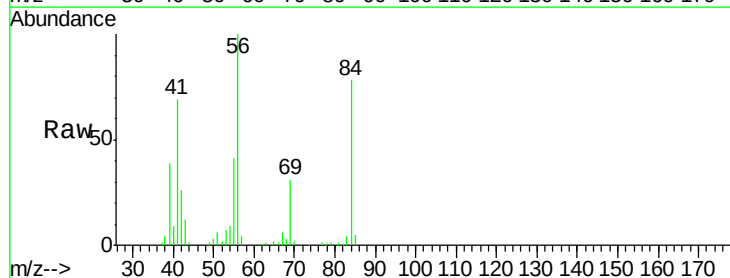
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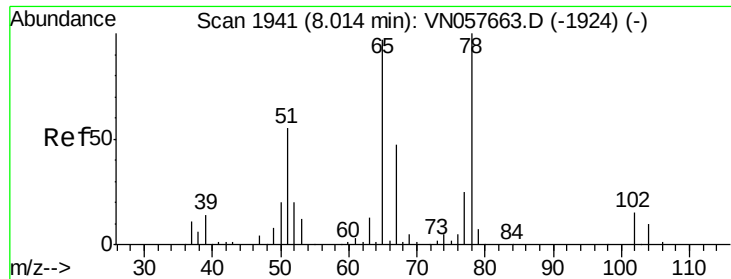
MMDadoda
9/5/2019 3:21:40 PM



#26
Cyclohexane
Concen: 18.607 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.00 min
Lab File: VN057674.D
Acq: 3 Sep 2019 20:05

Tgt Ion	56	Resp	129000
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	75.4	60.4	90.6





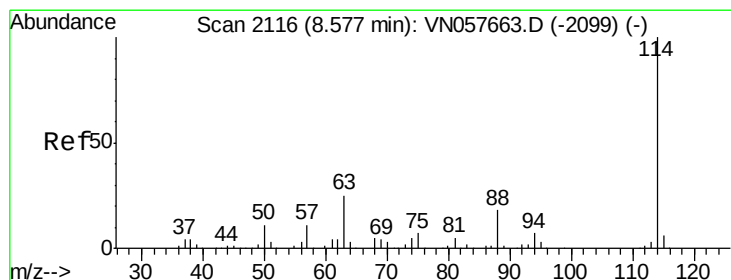
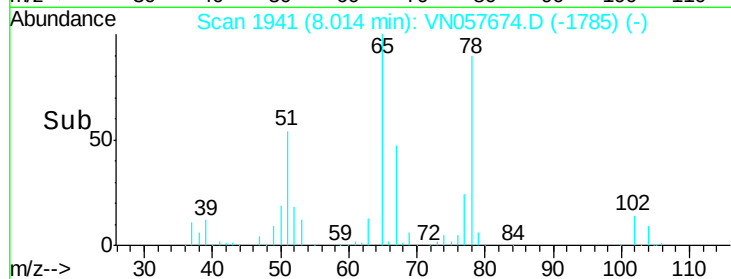
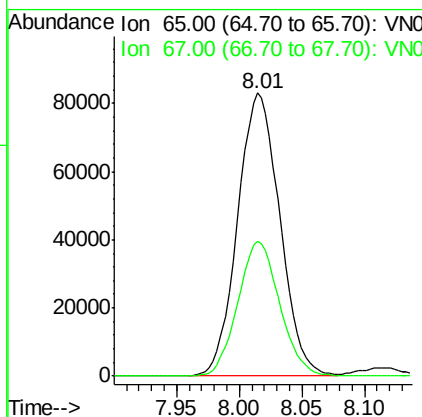
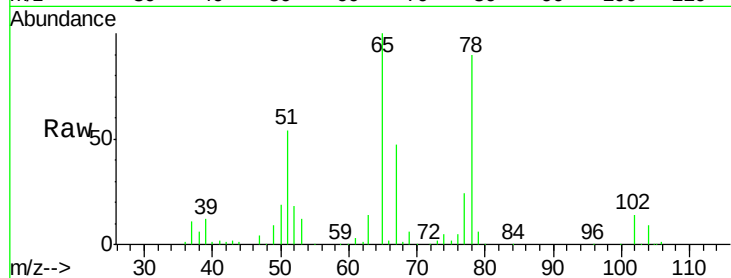
#27
 1,2-Dichloroethane-d4
 Concen: 30.082 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057674.D
 Acq: 3 Sep 2019 20:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	47.2	38.6	57.8

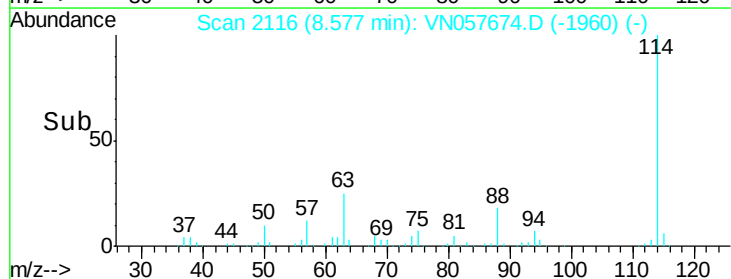
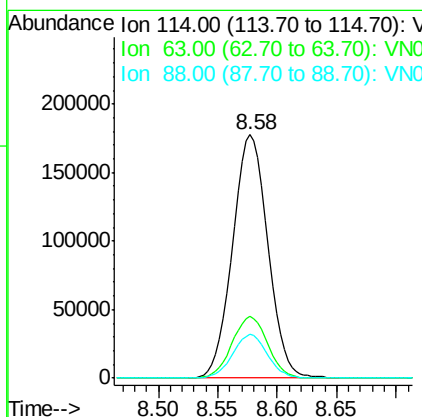
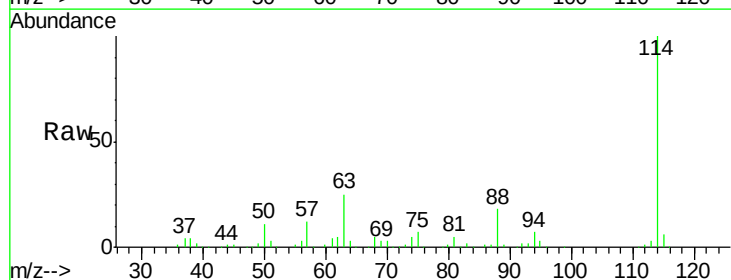
Manual Integrations
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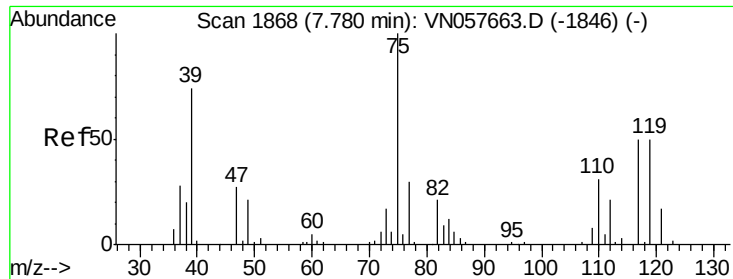
MMDadoda
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057674.D
 Acq: 3 Sep 2019 20:05

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.5	20.6	30.8
88	17.6	14.3	21.5





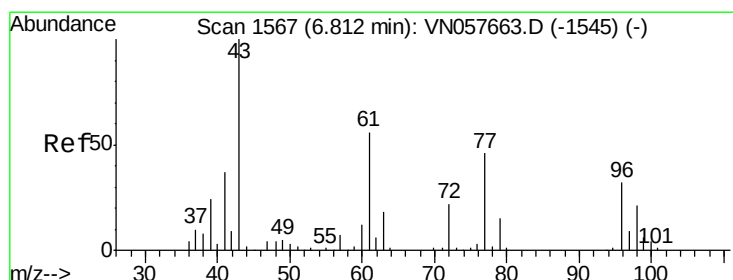
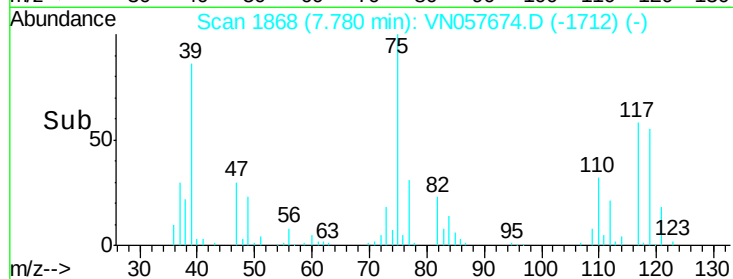
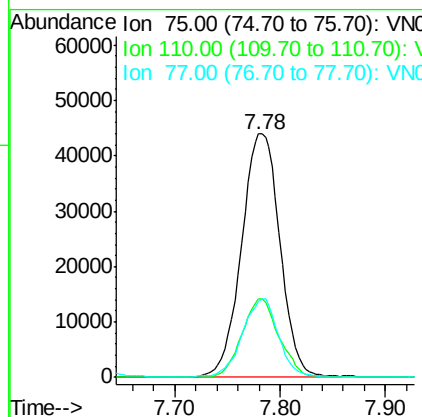
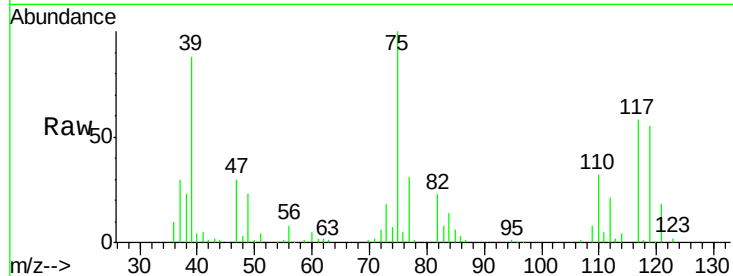
#29
 1,1-Dichloropropene
 Concen: 19.145 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN057674.D
 Acq: 3 Sep 2019 20:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	30.7	0.0	62.8
77	30.2	0.0	57.8

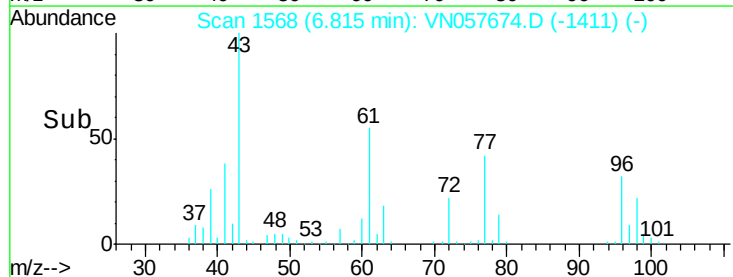
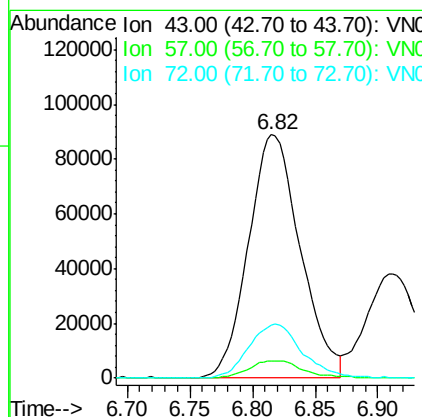
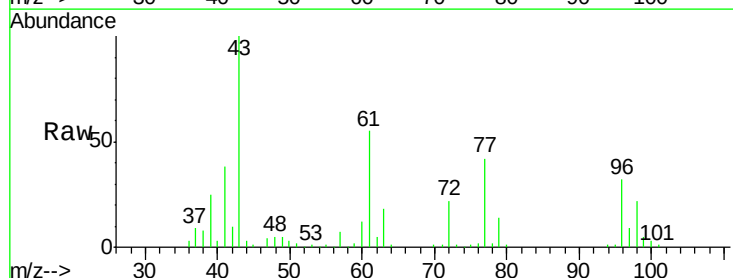
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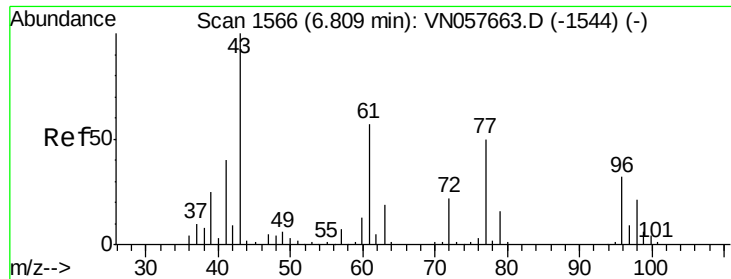
MMDadoda
 9/5/2019 3:21:40 PM



#30
 2-Butanone
 Concen: 92.191 ug/l
 RT: 6.82 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN057674.D
 Acq: 3 Sep 2019 20:05

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.6	2.6	3.8#
72	22.9	18.1	27.1





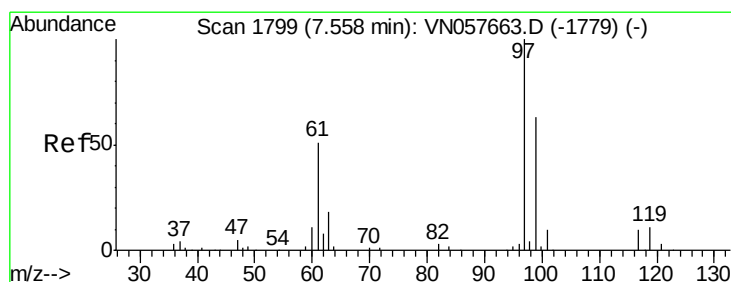
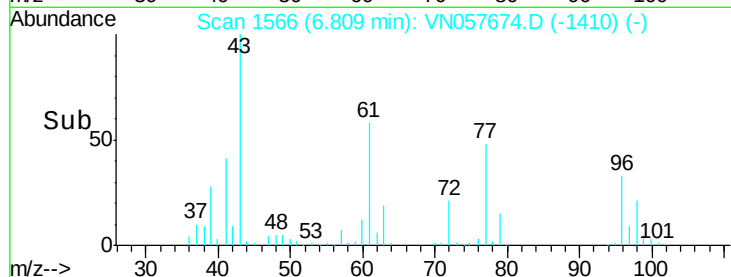
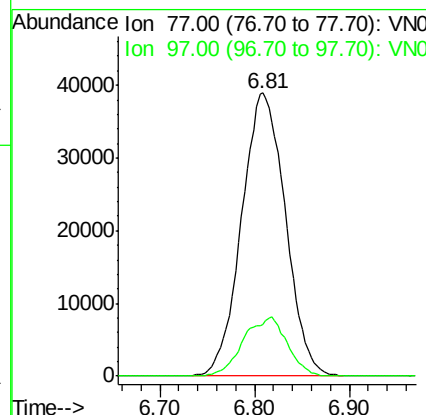
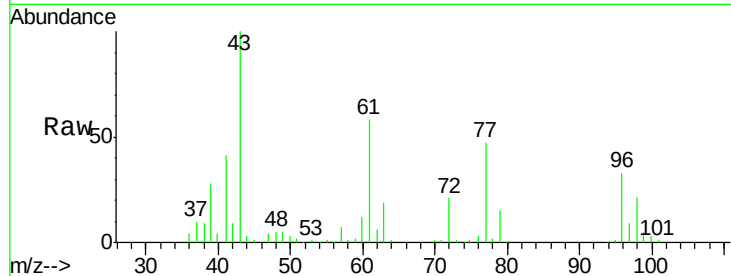
#31
 2,2-Dichloropropane
 Concen: 17.355 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN057674.D
 Acq: 3 Sep 2019 20:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
77	100		
97	0.0	8.8	13.2#

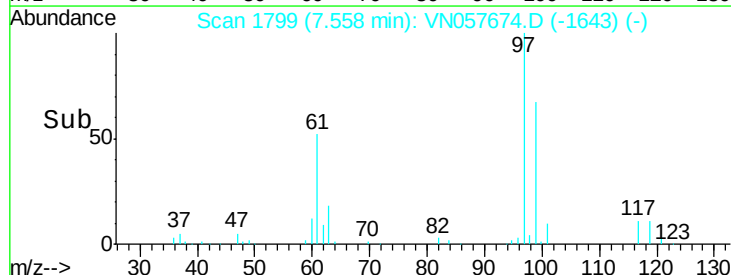
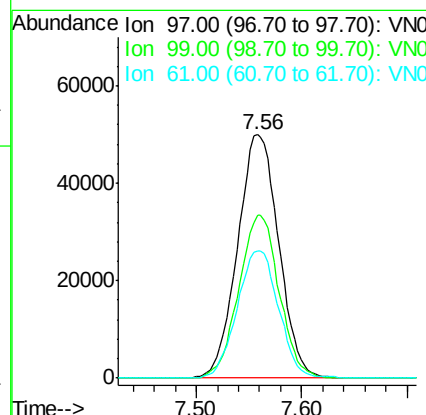
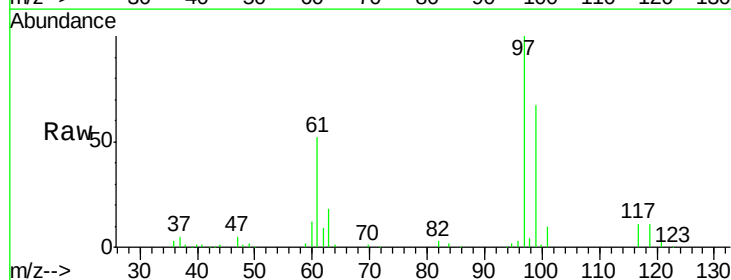
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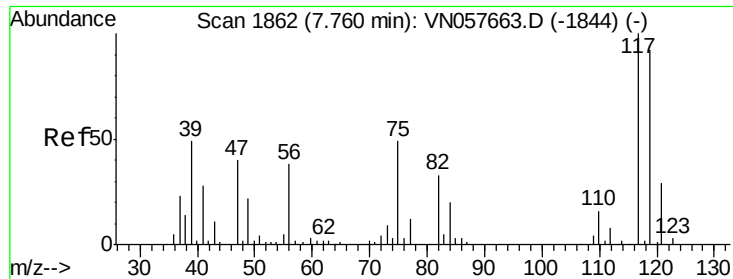
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 9/5/2019 3:21:40 PM



#32
 1,1,1-Trichloroethane
 Concen: 18.744 ug/l
 RT: 7.56 min Scan# 1799
 Delta R.T. 0.00 min
 Lab File: VN057674.D
 Acq: 3 Sep 2019 20:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.9	77.9
61	52.5	41.4	62.0





#33

Carbon Tetrachloride

Concen: 18.381 ug/l

RT: 7.76 min Scan# 1863

Delta R.T. 0.00 min

Lab File: VN057674.D

Acq: 3 Sep 2019 20:05

Instrument :

MSVOA_N

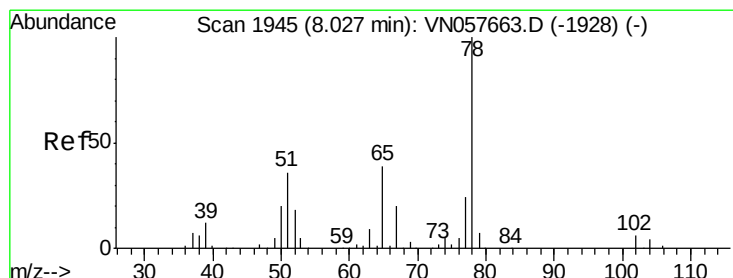
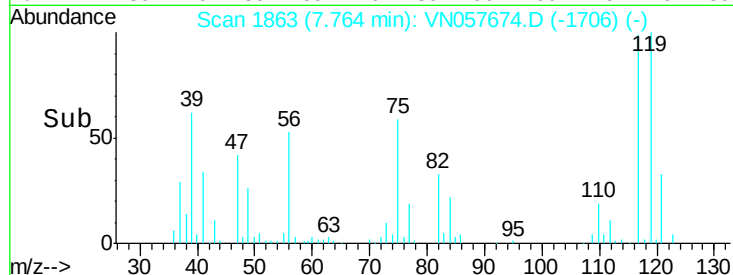
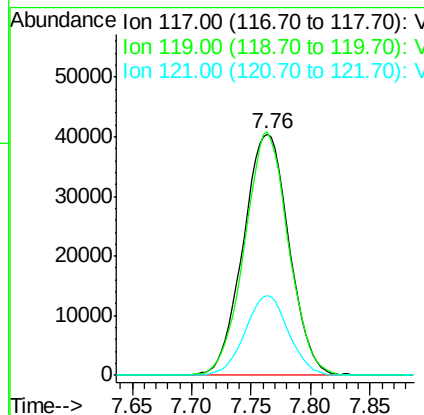
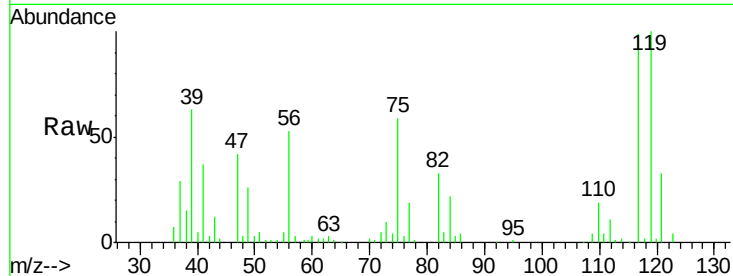
ClientSampleID :

VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	100.9	73.3	109.9
121	33.2	23.3	34.9

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#34

Benzene

Concen: 18.987 ug/l

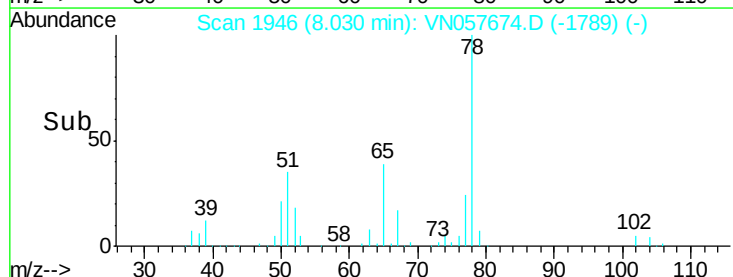
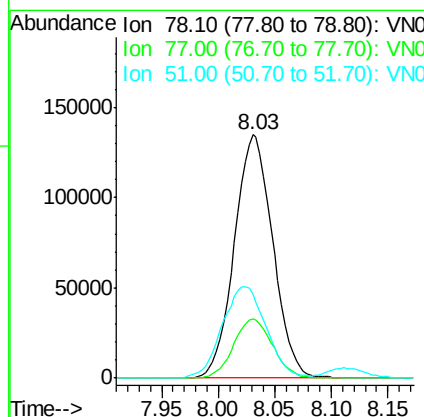
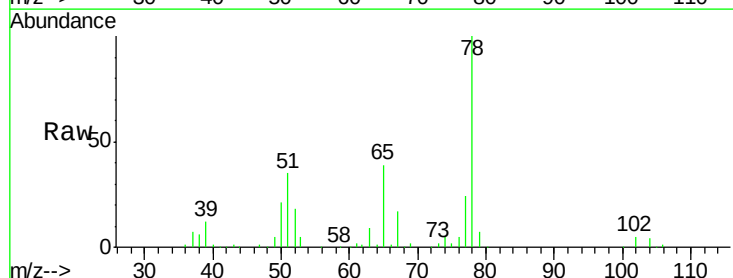
RT: 8.03 min Scan# 1946

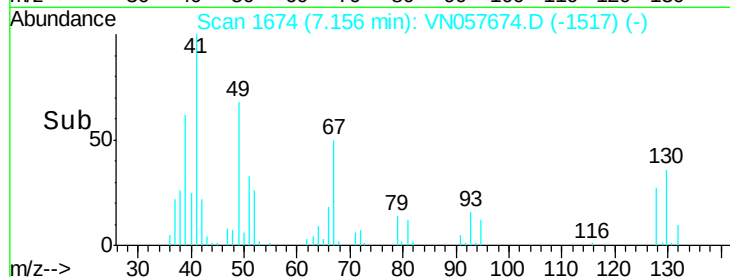
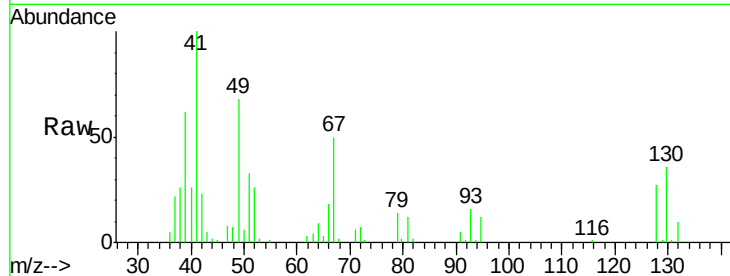
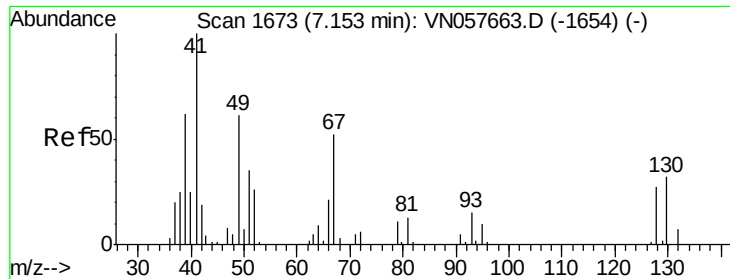
Delta R.T. 0.00 min

Lab File: VN057674.D

Acq: 3 Sep 2019 20:05

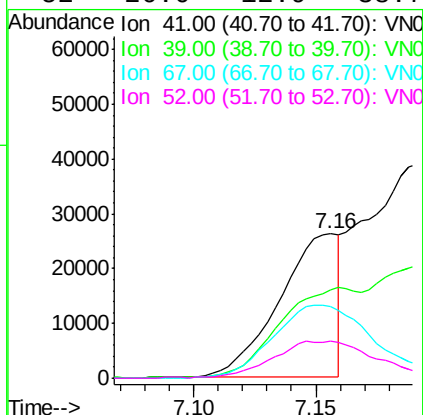
Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.8	28.2
51	33.5	29.0	43.6





#35
Methacrylonitrile
Concen: 17.554 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN057674.D
Acq: 3 Sep 2019 20:05

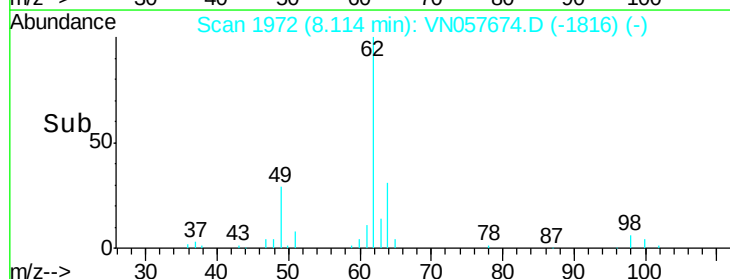
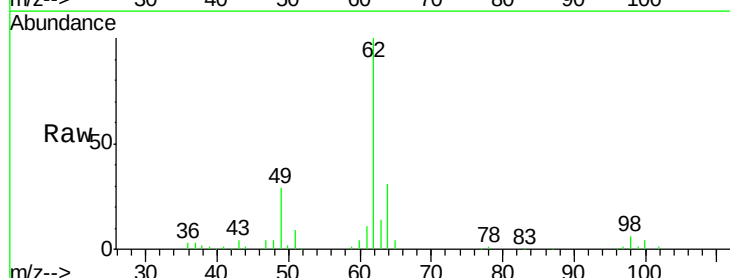
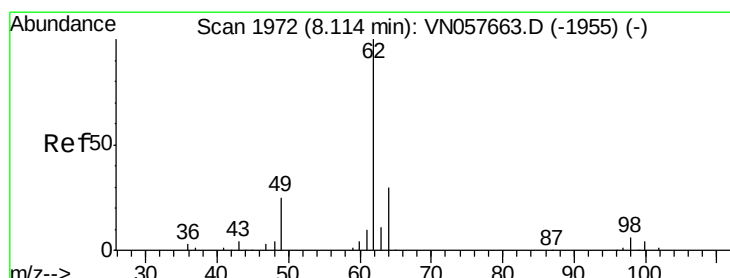
Tot Ion	Ion	Ratio	Lower	Upper
41	41.00 (40.70 to 41.70): VN0	100		
39	39.00 (38.70 to 39.70): VN0	61.3	31.0	93.0
67	67.00 (66.70 to 67.70): VN0	50.5	25.9	77.7
52	52.00 (51.70 to 52.70): VN0	26.0	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

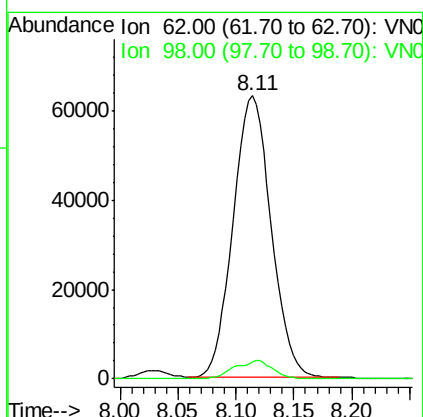
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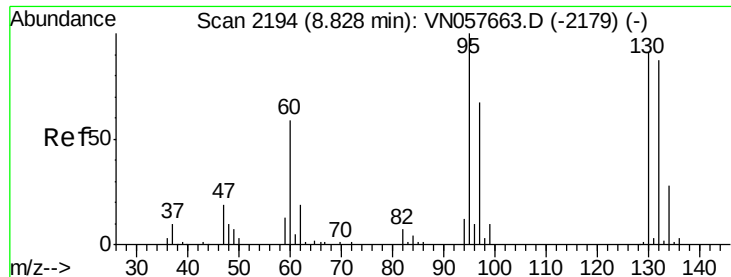
MMDadoda
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#36
1,2-Dichloroethane
Concen: 19.198 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057674.D
Acq: 3 Sep 2019 20:05

Tgt Ion	Ion	Ratio	Lower	Upper
62	62.00 (61.70 to 62.70): VN0	100		
98	98.00 (97.70 to 98.70): VN0	4.1	0.0	0.0#





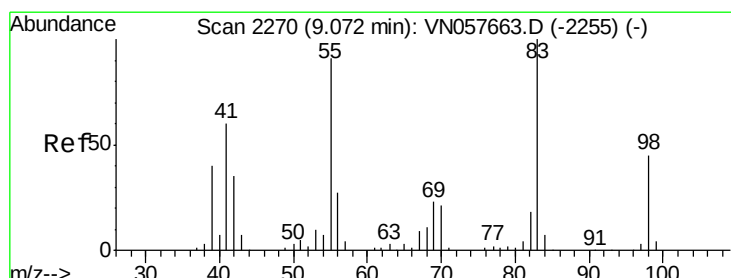
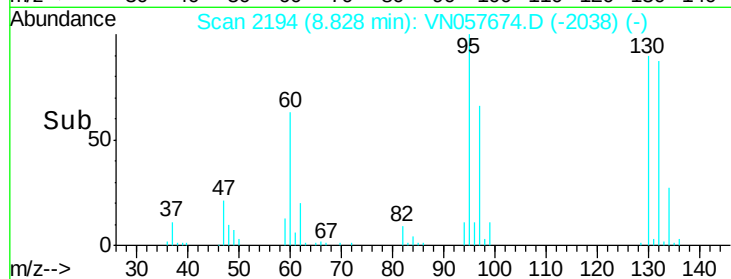
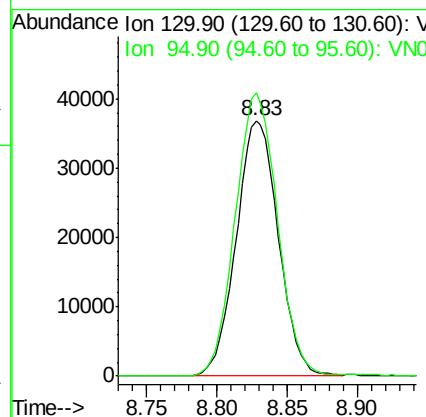
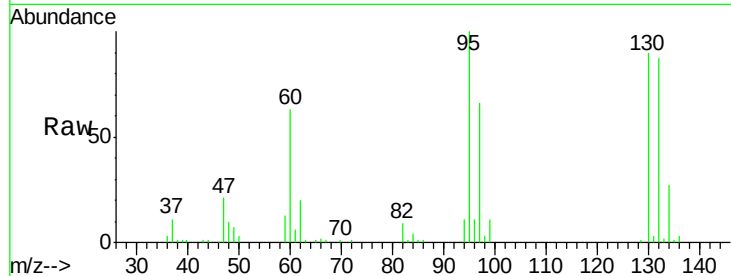
#37
 Trichloroethene
 Concen: 19.344 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VN057674.D
 Acq: 3 Sep 2019 20:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 77058
 Ion Ratio Lower Upper
 130 100
 95 110.8 87.5 131.3

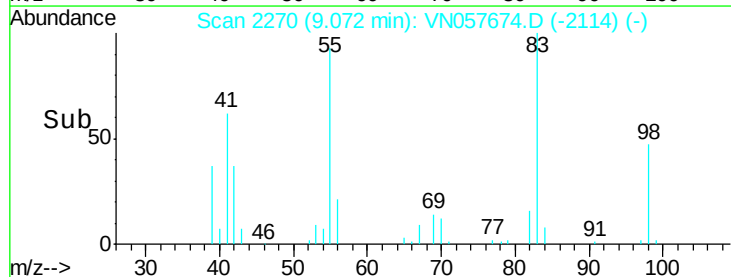
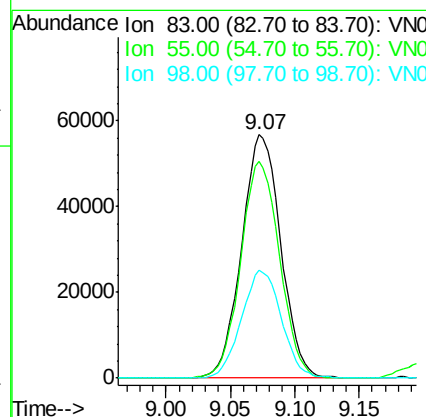
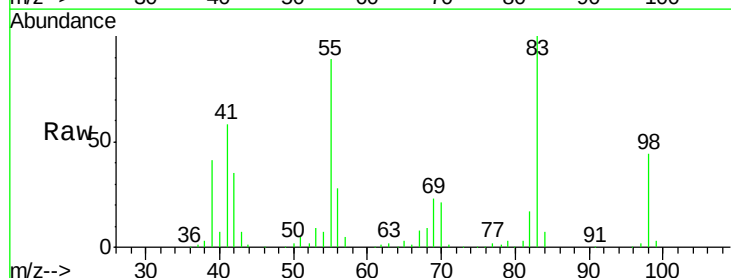
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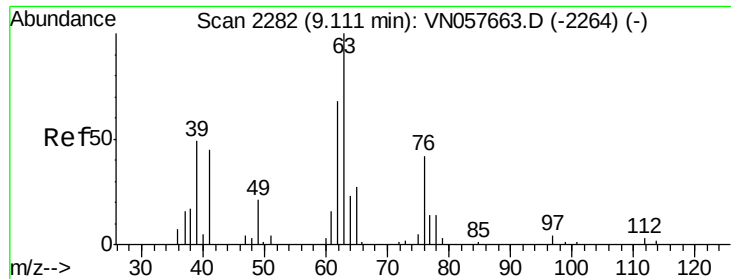
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#38
 Methylcyclohexane
 Concen: 18.553 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VN057674.D
 Acq: 3 Sep 2019 20:05

Tgt Ion: 83 Resp: 120242
 Ion Ratio Lower Upper
 83 100
 55 88.0 45.1 135.3
 98 45.1 22.5 67.5





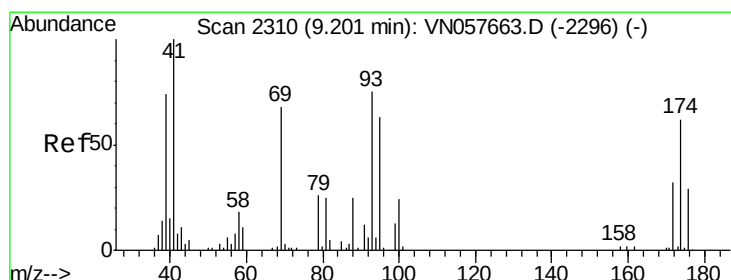
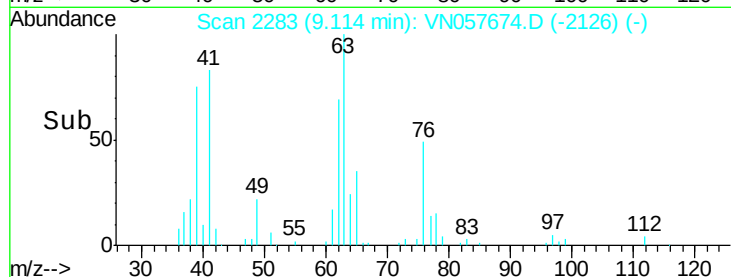
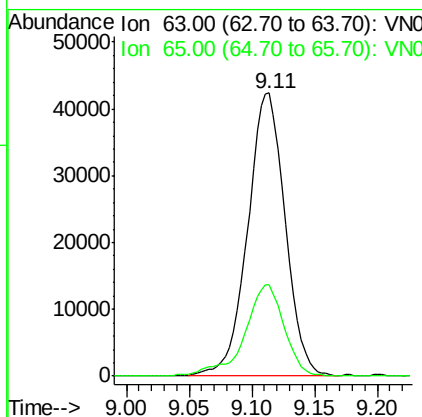
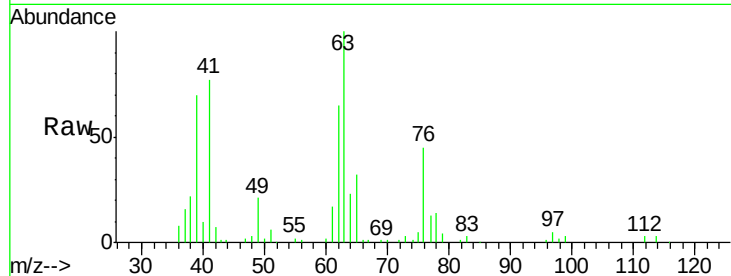
#39
 1,2-Dichloropropane
 Concen: 19.253 ug/l
 RT: 9.11 min Scan# 2283
 Delta R.T. 0.00 min
 Lab File: VN057674.D
 Acq: 3 Sep 2019 20:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 63 Resp: 88324
 Ion Ratio Lower Upper
 63 100
 65 32.2 22.2 33.2

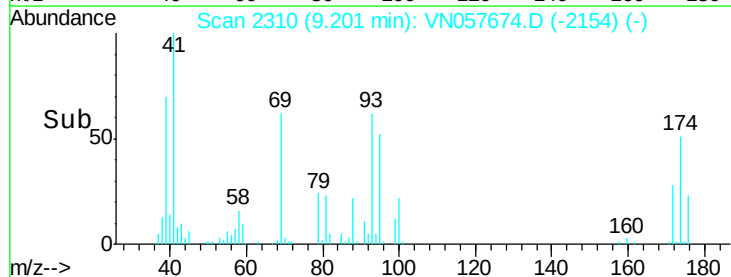
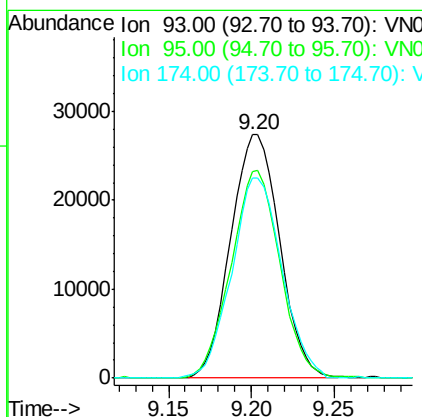
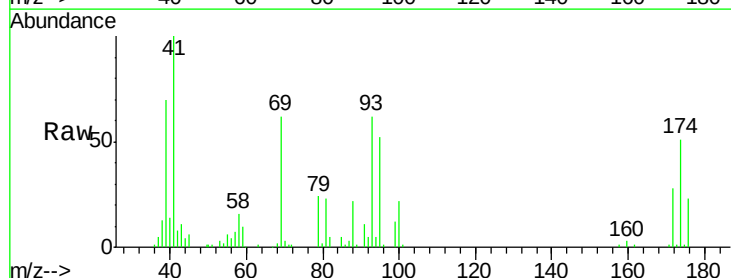
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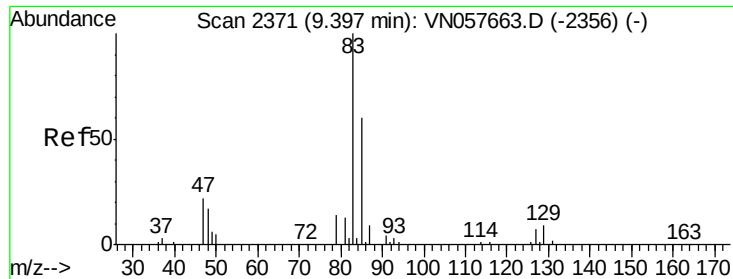
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#40
 Dibromomethane
 Concen: 18.978 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057674.D
 Acq: 3 Sep 2019 20:05

Tgt Ion: 93 Resp: 56439
 Ion Ratio Lower Upper
 93 100
 95 84.9 0.0 168.2
 174 84.0 0.0 169.2





#41

Bromodichloromethane

Concen: 18.835 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057674.D

Acq: 3 Sep 2019 20:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 83 Resp: 121062
Ion Ratio Lower Upper

83 100

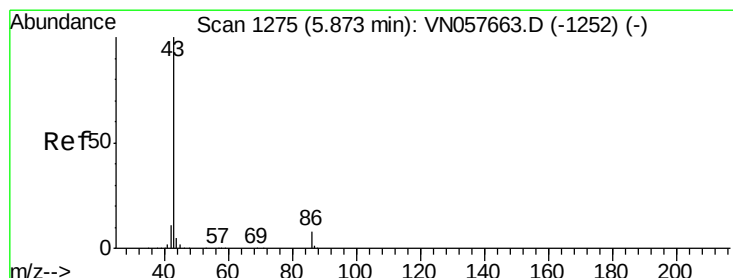
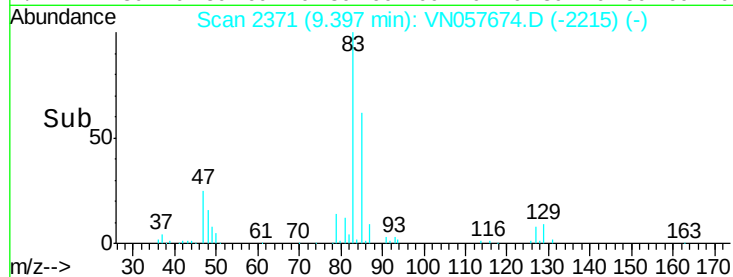
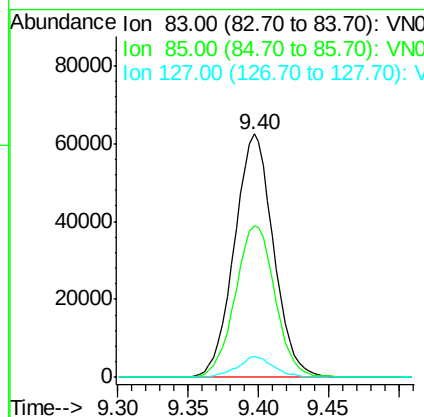
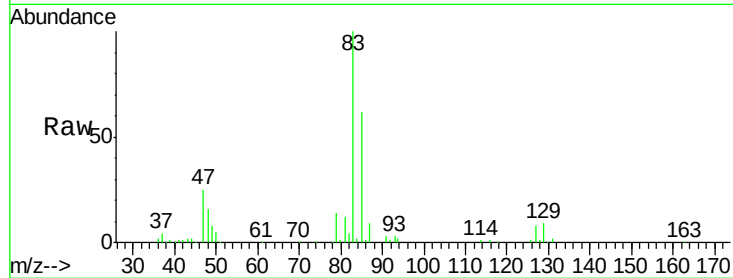
85 62.2 48.2 72.4

127 8.5 5.3 7.9#

Manual Integrations
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#42

Vinyl Acetate

Concen: 100.217 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. 0.00 min

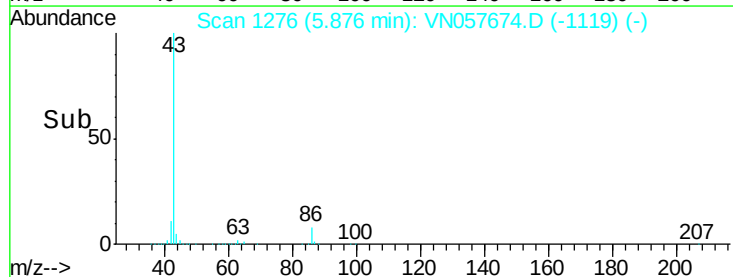
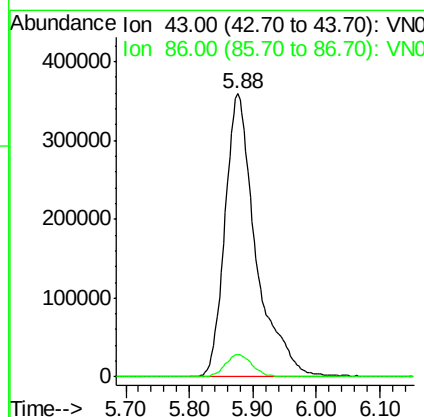
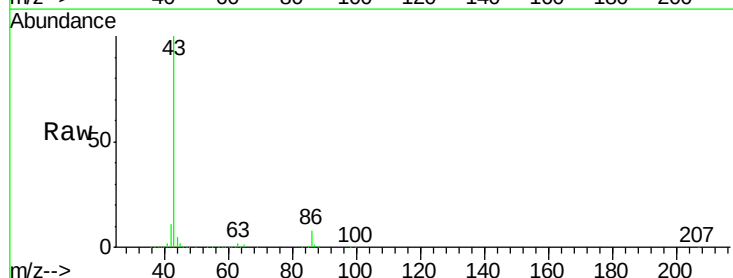
Lab File: VN057674.D

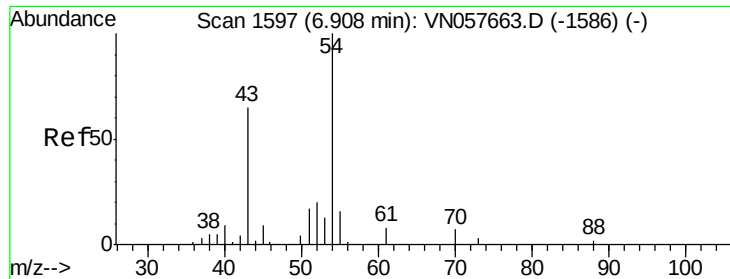
Acq: 3 Sep 2019 20:05

Tgt Ion: 43 Resp: 1215274
Ion Ratio Lower Upper

43 100

86 6.9 5.4 8.2





#43

Ethyl Acetate

Concen: 18.481 ug/l

RT: 6.91 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VN057674.D

Acq: 3 Sep 2019 20:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 43 Resp: 104996

Ion Ratio Lower Upper

43 100

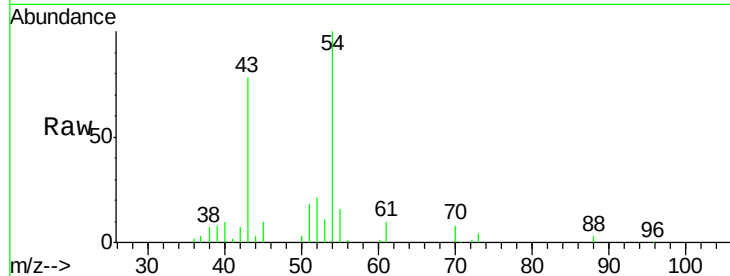
45 13.4 5.0 7.6#

Manual Integrations

APPROVED

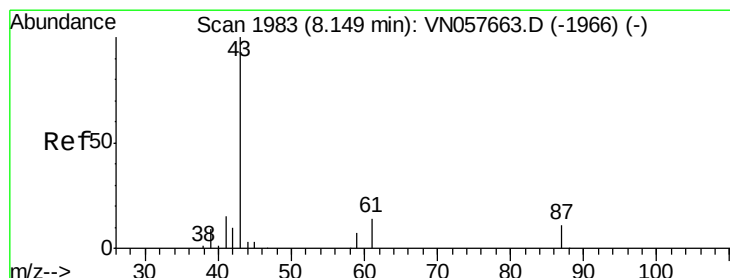
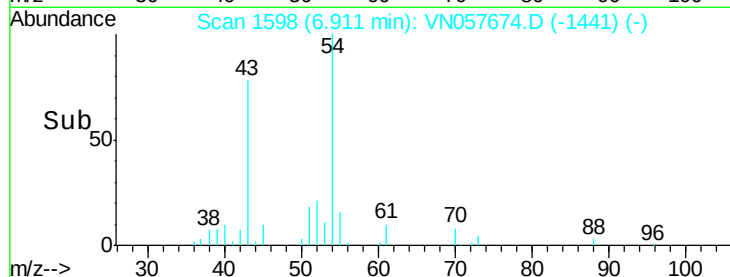
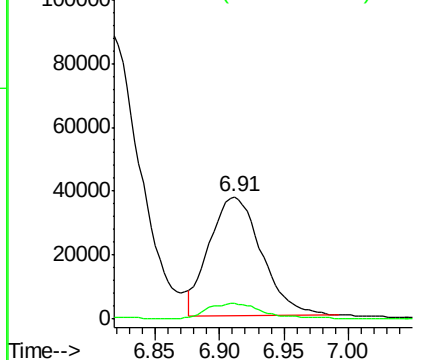
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 18.876 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057674.D

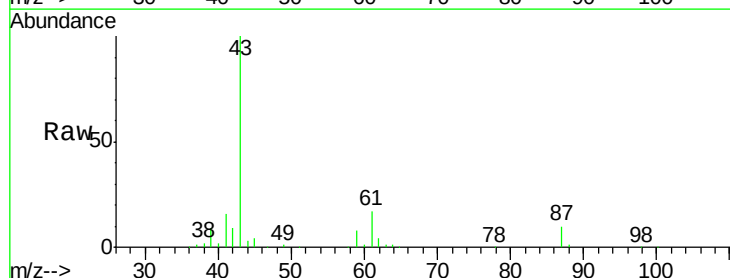
Acq: 3 Sep 2019 20:05

Tgt Ion: 43 Resp: 200489

Ion Ratio Lower Upper

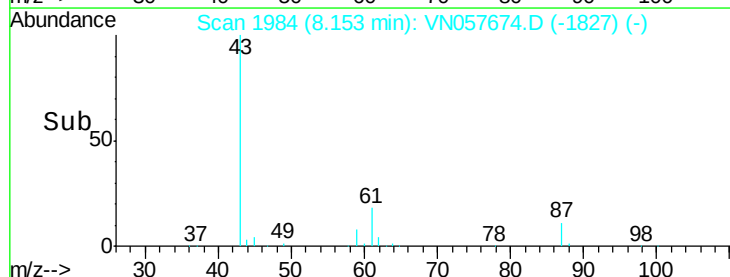
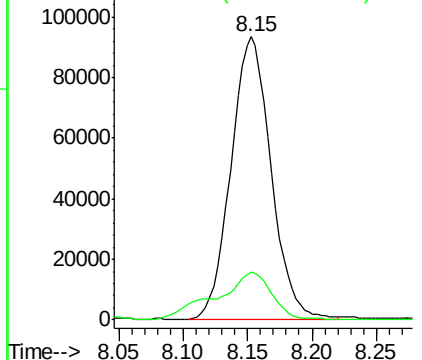
43 100

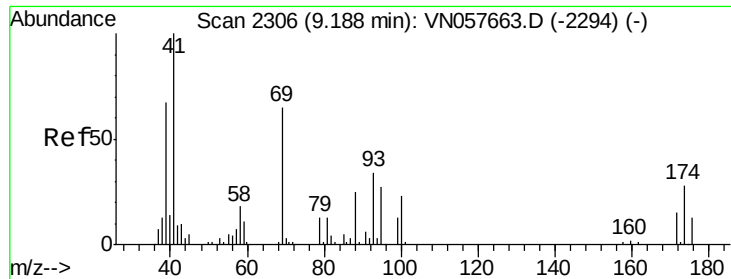
61 15.6 12.6 18.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





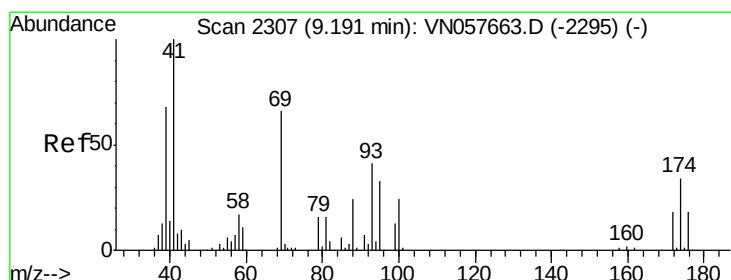
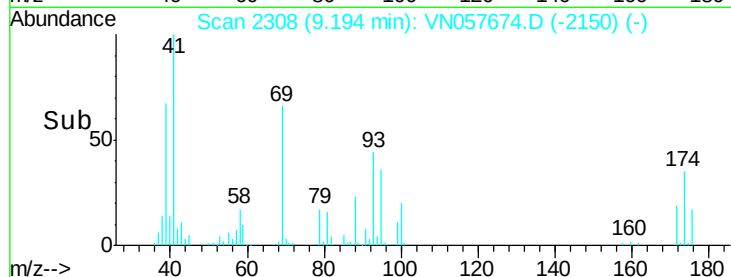
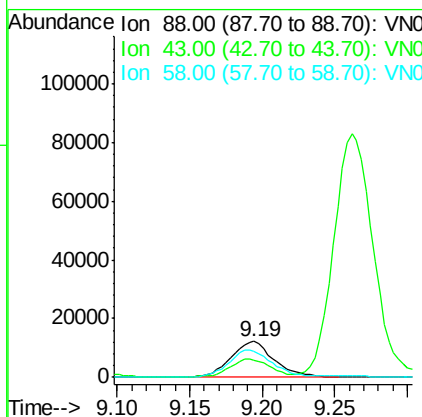
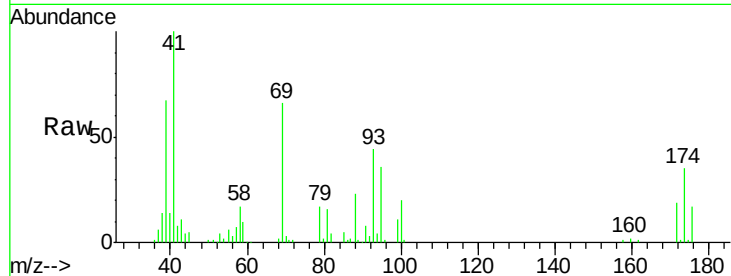
#45
1,4-Dioxane
Concen: 372.560 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.01 min
Lab File: VN057674.D
Acq: 3 Sep 2019 20:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	88	Resp	25402
Ion Ratio	Lower	Upper	
88	100		
43	45.6	31.0	46.4
58	75.8	58.2	87.2

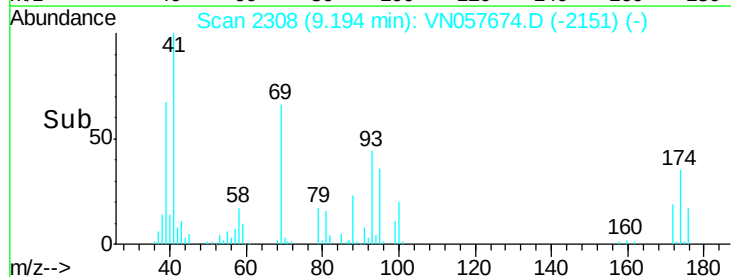
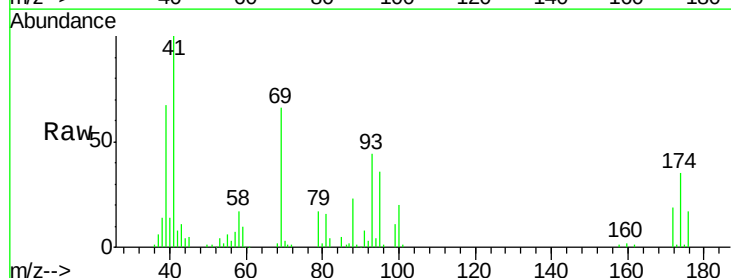
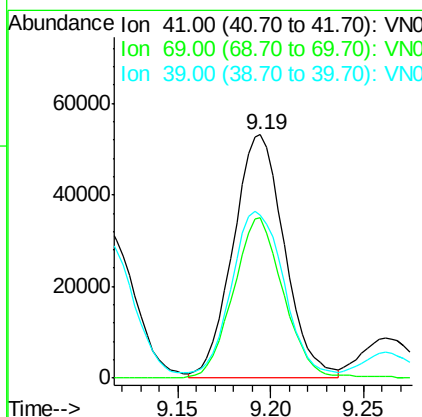
Manual Integrations
APPROVED

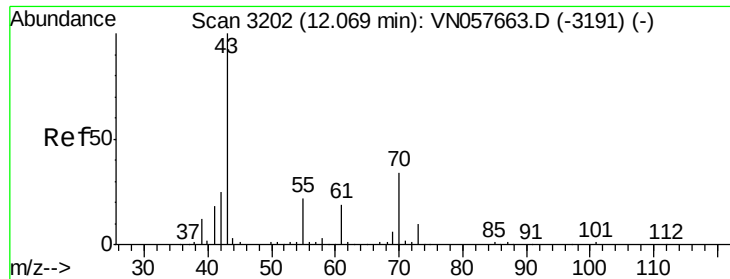
MMDadoda
9/5/2019 3:21:40 PM



#46
Methyl methacrylate
Concen: 19.938 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057674.D
Acq: 3 Sep 2019 20:05

Tgt Ion	41	Resp	102755
Ion Ratio	Lower	Upper	
41	100		
69	66.3	33.1	99.2
39	66.3	34.0	102.0





#47

n-amvl Acetate

Concen: 17.698 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057674.D

Acq: 3 Sep 2019 20:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 43 Resp: 145784

Ion Ratio Lower Upper

43 100

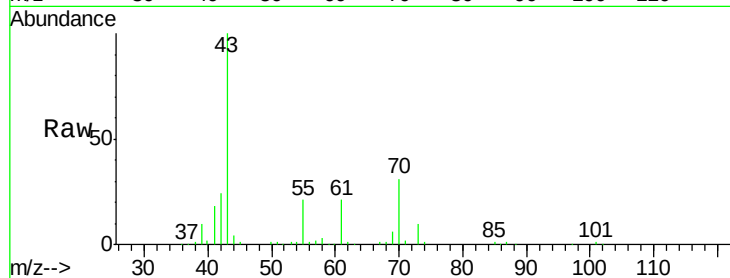
55 21.2 17.5 26.3

Manual Integrations

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MMDadoda

9/5/2019 3:21:40 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12.07

80000

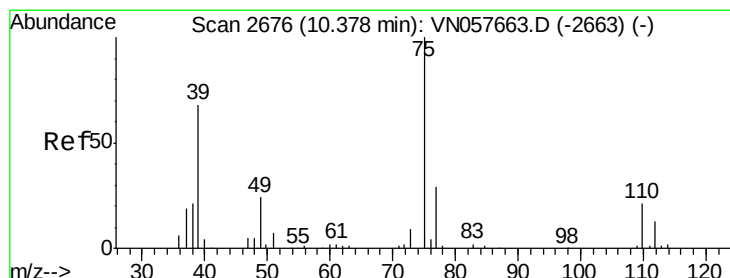
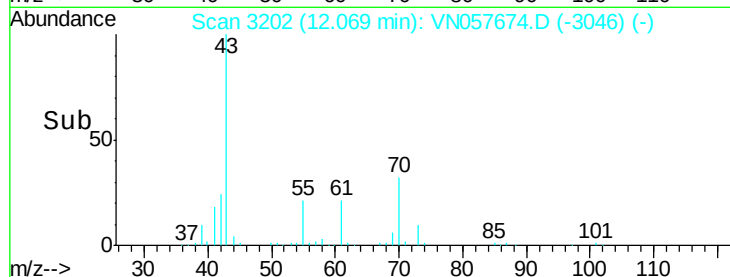
60000

40000

20000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 17.719 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN057674.D

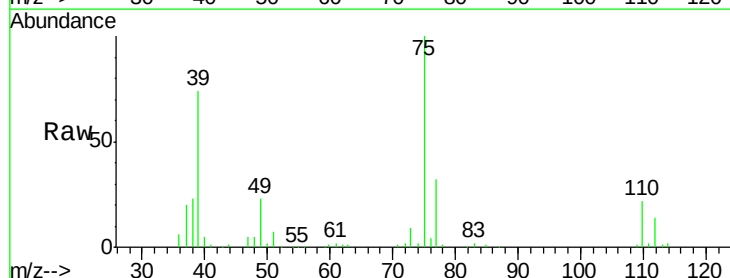
Acq: 3 Sep 2019 20:05

Tgt Ion: 75 Resp: 119466

Ion Ratio Lower Upper

75 100

77 31.7 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

80000

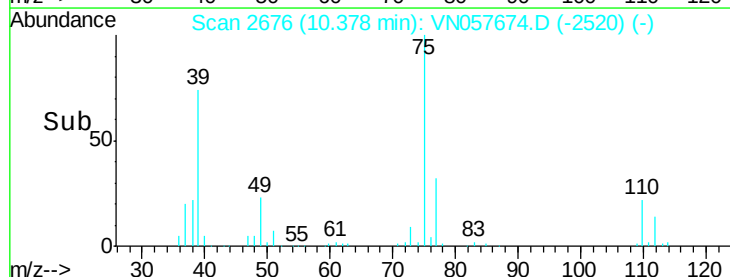
60000

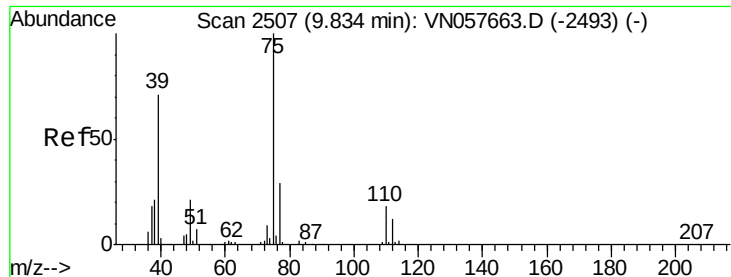
40000

20000

0

Time-->





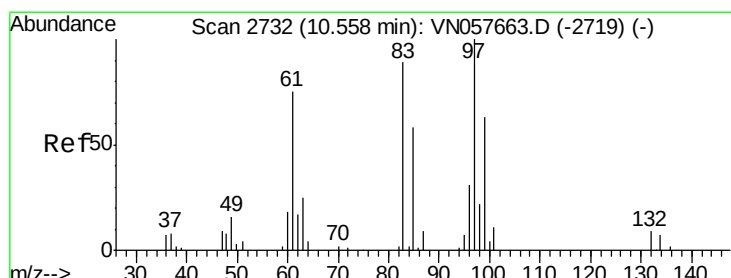
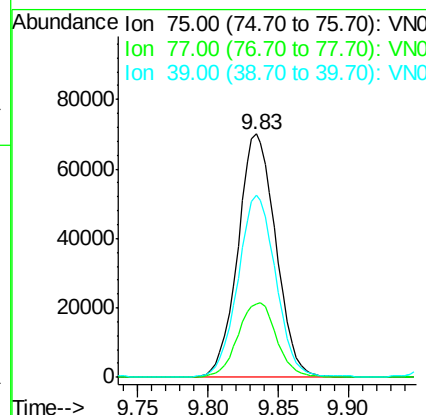
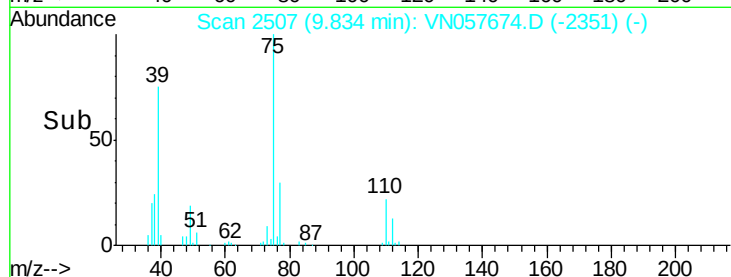
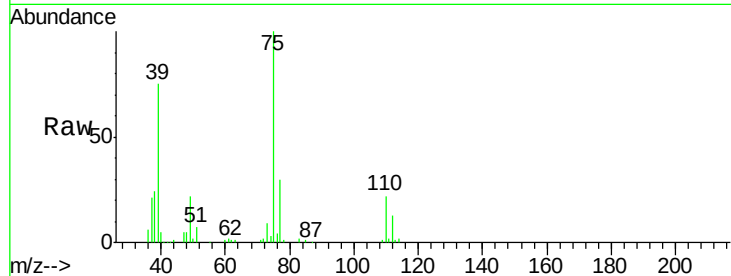
#49
 cis-1,3-Dichloropropene
 Concen: 18.304 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN057674.D
 Acq: 3 Sep 2019 20:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.1	23.4	35.2
39	74.7	56.6	85.0

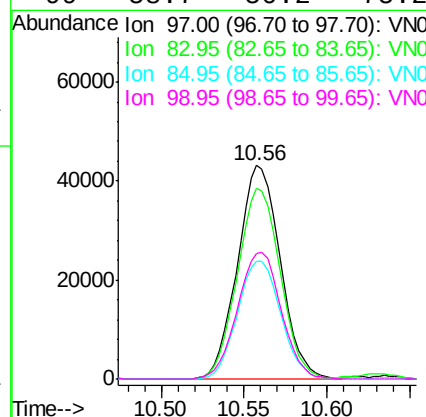
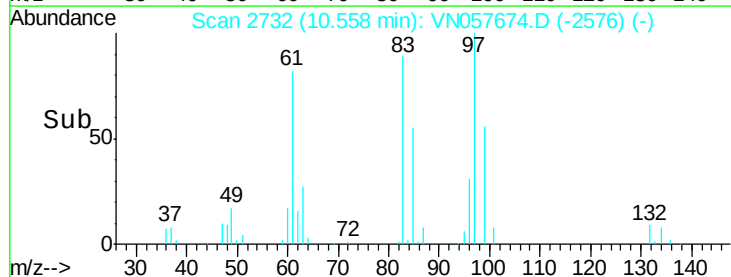
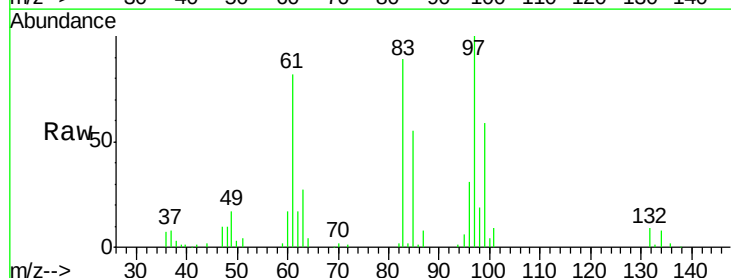
Manual Integrations
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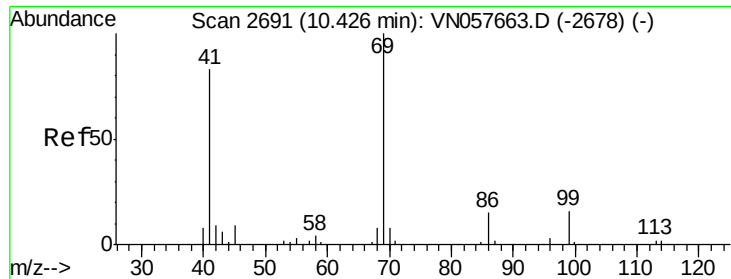
MMDadoda
 9/5/2019 3:21:40 PM



#50
 1,1,2-Trichloroethane
 Concen: 19.333 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057674.D
 Acq: 3 Sep 2019 20:05

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.3	71.4	107.2
85	55.2	46.0	69.0
99	58.7	50.2	75.2





#51

Ethyl methacrylate

Concen: 18.510 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057674.D

Acq: 3 Sep 2019 20:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 69 Resp: 121026

Ion Ratio Lower Upper

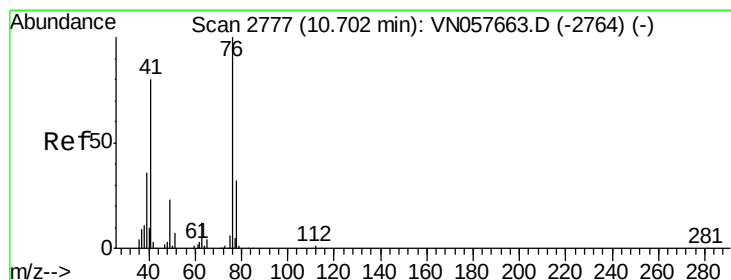
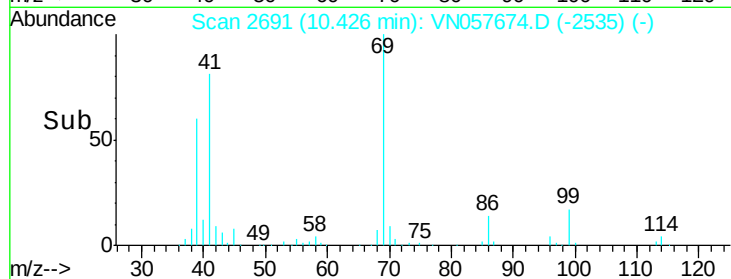
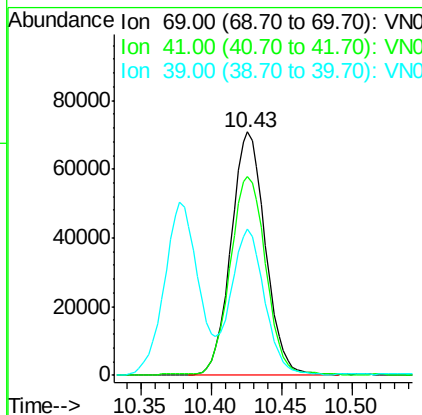
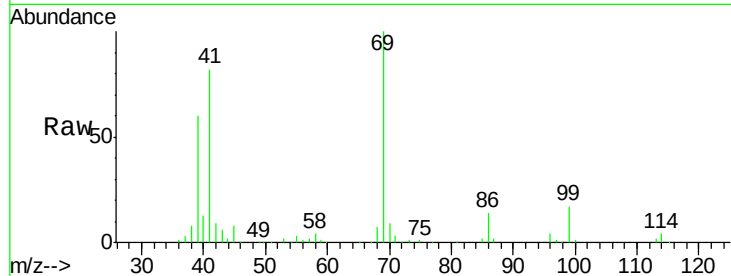
69 100

41 81.3 41.5 124.5

39 59.6 29.6 88.9

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.284 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057674.D

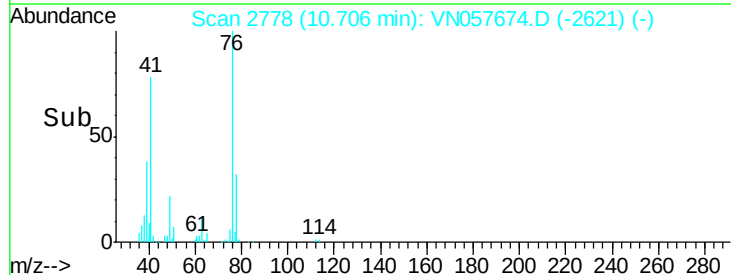
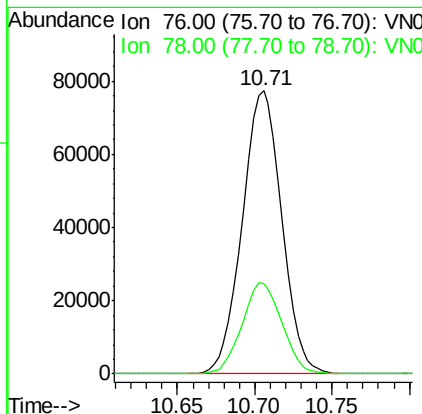
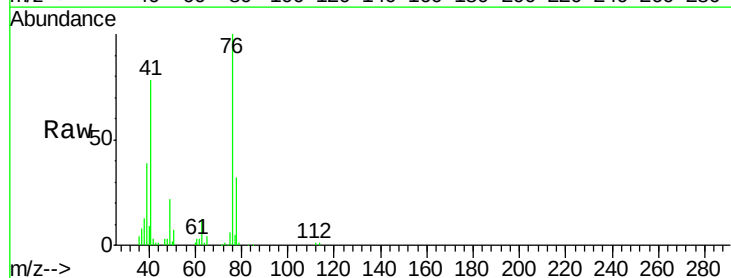
Acq: 3 Sep 2019 20:05

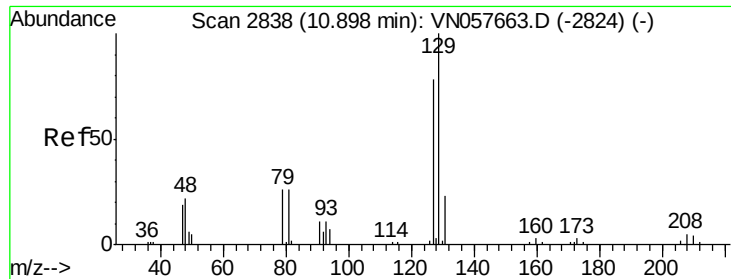
Tgt Ion: 76 Resp: 137663

Ion Ratio Lower Upper

76 100

78 32.6 0.0 63.8





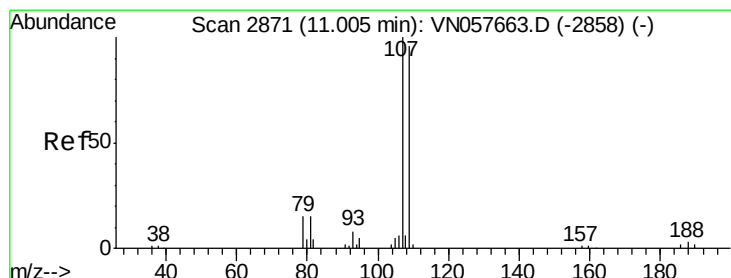
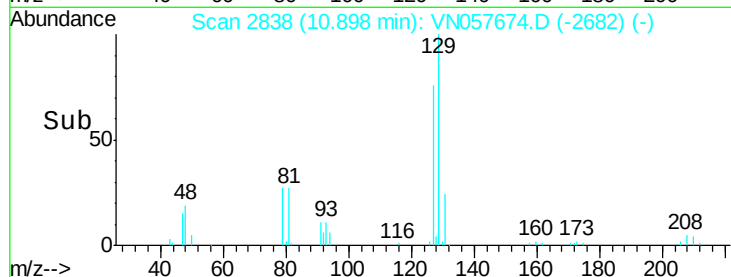
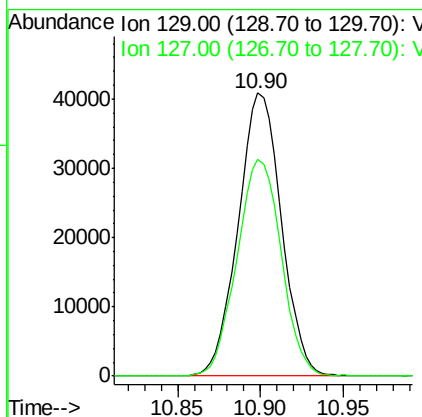
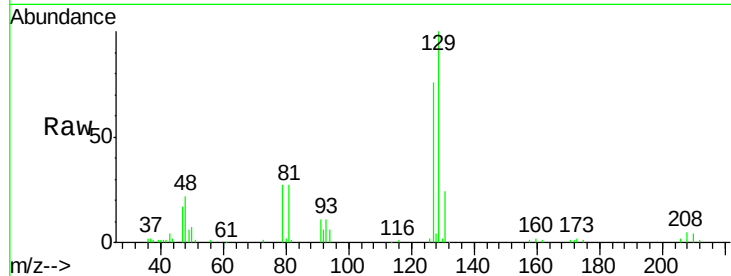
#53
 Dibromochloromethane
 Concen: 17.704 ug/l
 RT: 10.90 min Scan# 2838
 Delta R.T. 0.00 min
 Lab File: VN057674.D
 Acq: 3 Sep 2019 20:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.1	117.3

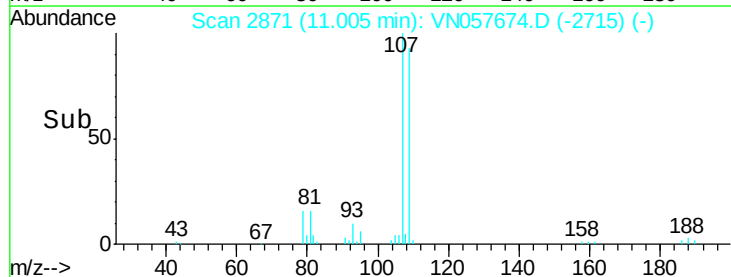
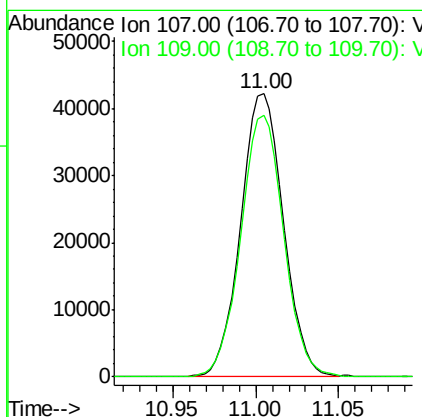
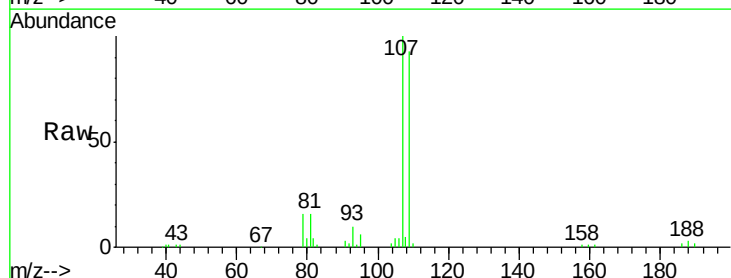
Manual Integrations
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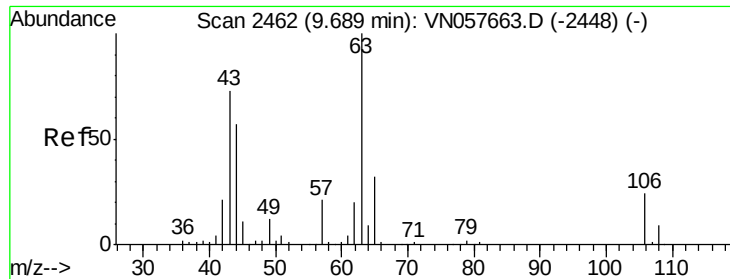
MMDadoda
 9/5/2019 3:21:40 PM



#54
 1,2-Dibromoethane
 Concen: 18.948 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057674.D
 Acq: 3 Sep 2019 20:05

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.8	76.2	114.4





#55

2-Chloroethyl vinyl ether

Concen: 87.004 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057674.D

Acq: 3 Sep 2019 20:05

Instrument :

MSVOA_N

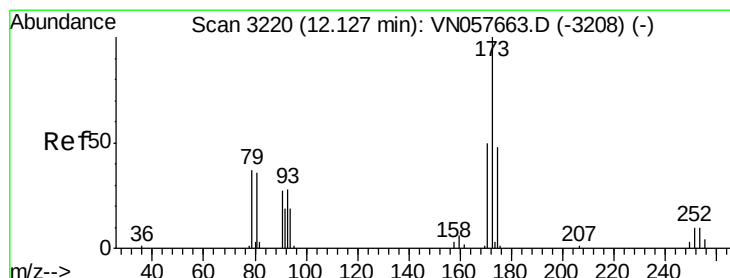
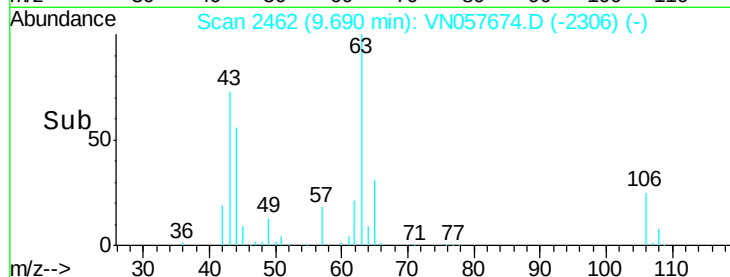
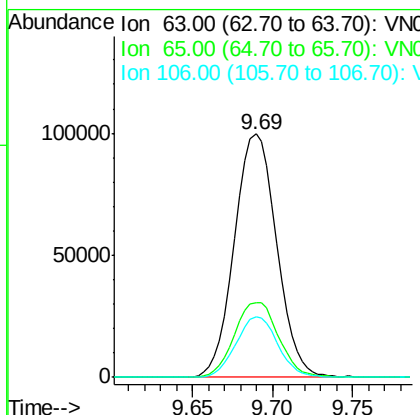
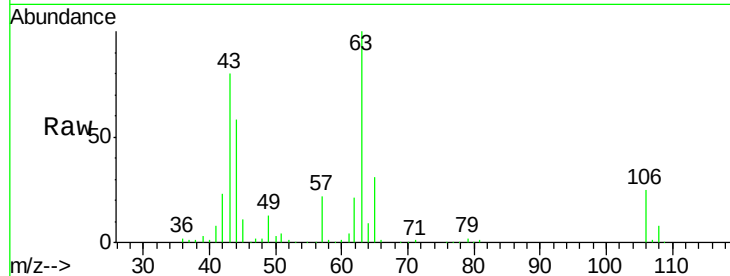
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	179735
Ion Ratio	Lower	Upper	
63	100		
65	32.3	25.6	38.4
106	24.6	19.5	29.3

Manual Integrations
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#56

Bromoform

Concen: 16.244 ug/l

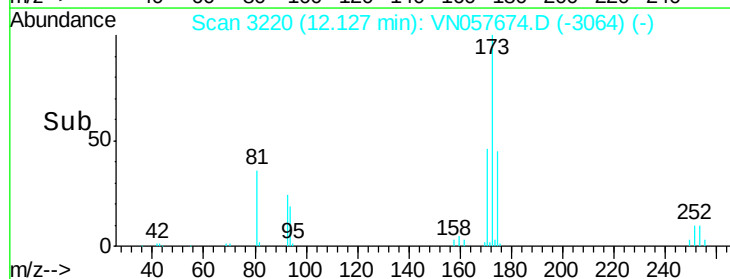
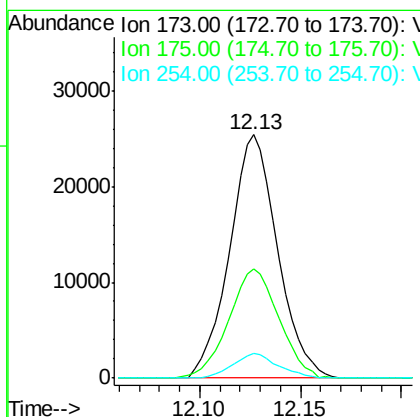
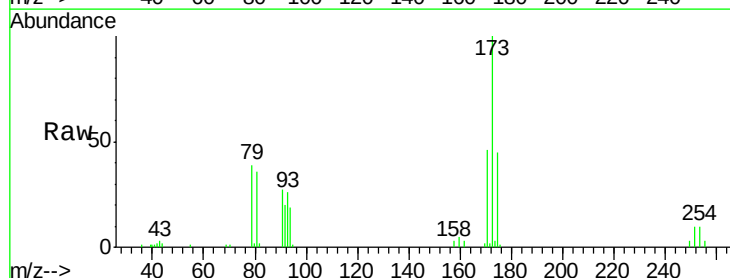
RT: 12.13 min Scan# 3220

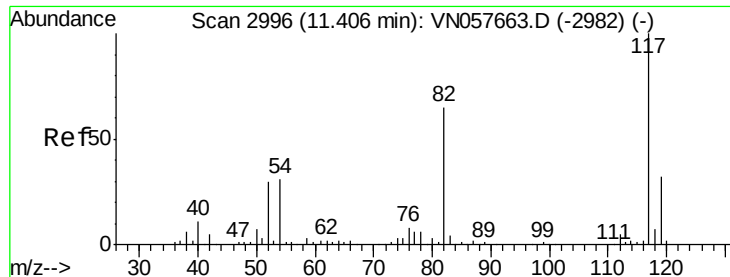
Delta R.T. 0.00 min

Lab File: VN057674.D

Acq: 3 Sep 2019 20:05

Tgt Ion:	173	Resp:	42166
Ion Ratio	Lower	Upper	
173	100		
175	46.7	38.8	58.2
254	9.5	7.2	10.8





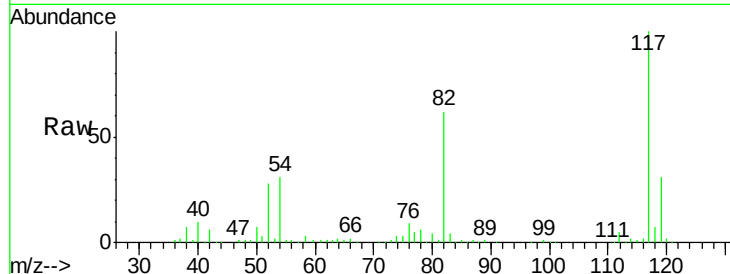
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057674.D
Acq: 3 Sep 2019 20:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

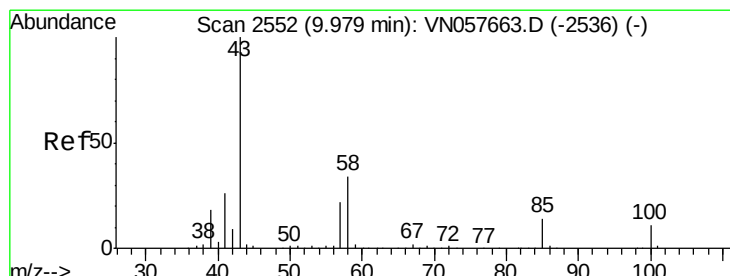
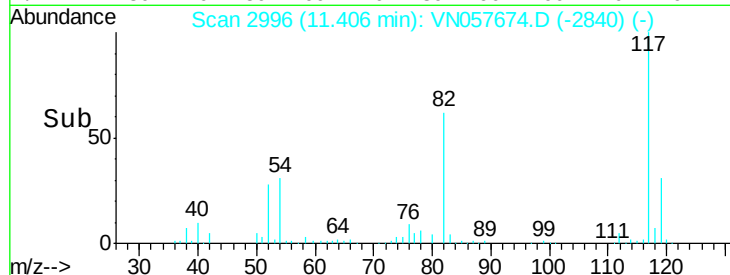
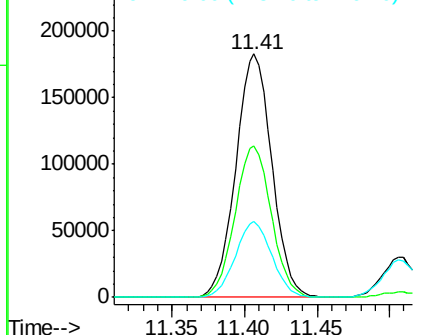
Tot Ion	Ratio	Lower	Upper
117	100		
82	62.5	51.2	76.8
119	31.4	25.8	38.6

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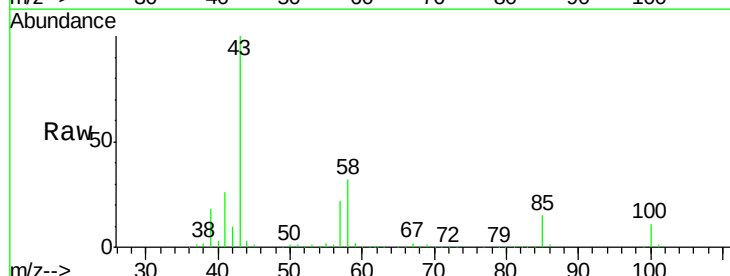


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

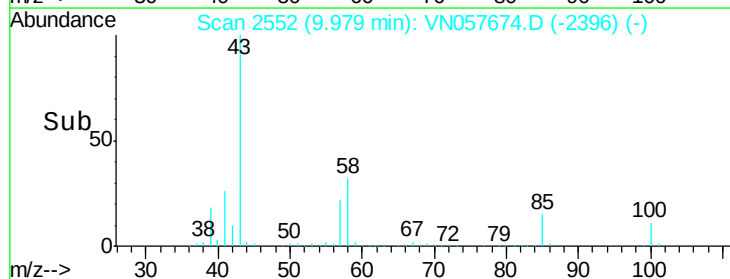
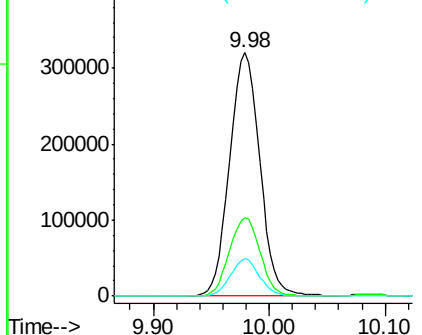


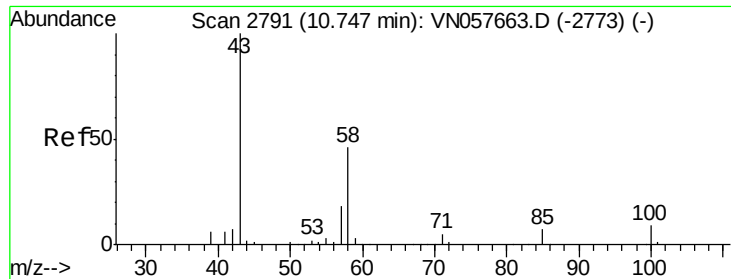
#58
4-Methyl-2-Pentanone
Concen: 102.835 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN057674.D
Acq: 3 Sep 2019 20:05

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.0	26.7	40.1
85	14.8	11.2	16.8



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V





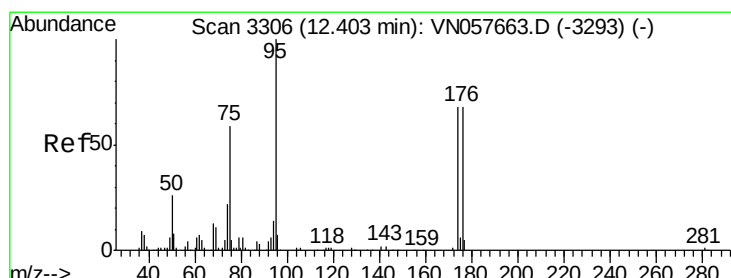
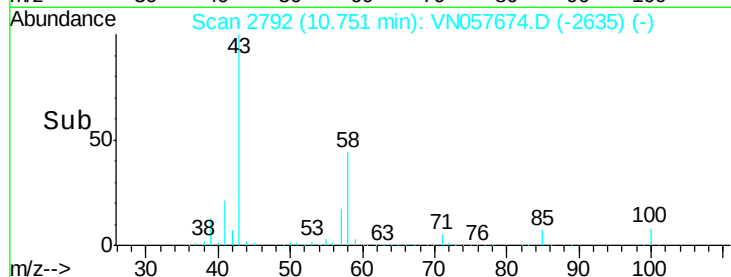
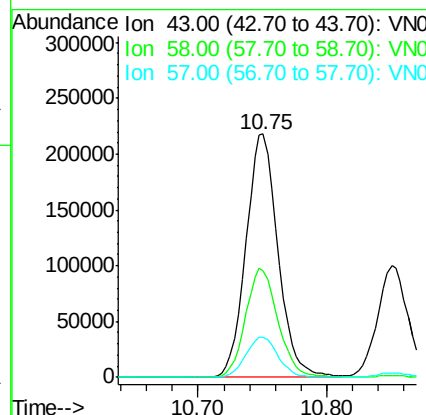
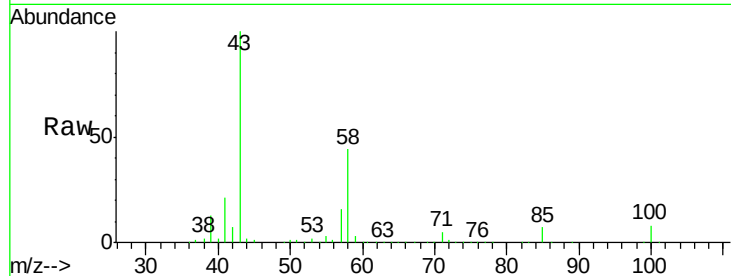
#59
2-Hexanone
Concen: 94.722 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057674.D
Acq: 3 Sep 2019 20:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	45.6	36.1	54.1
57	16.8	14.1	21.1

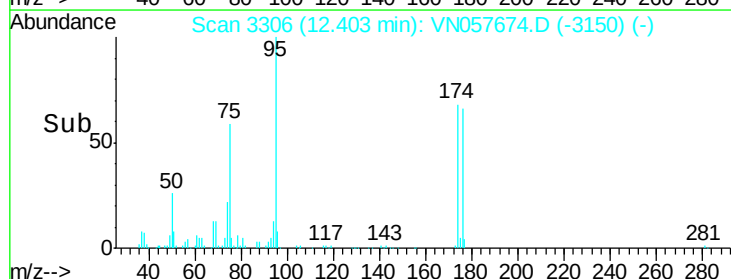
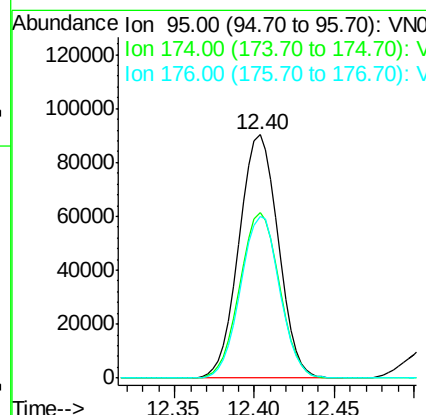
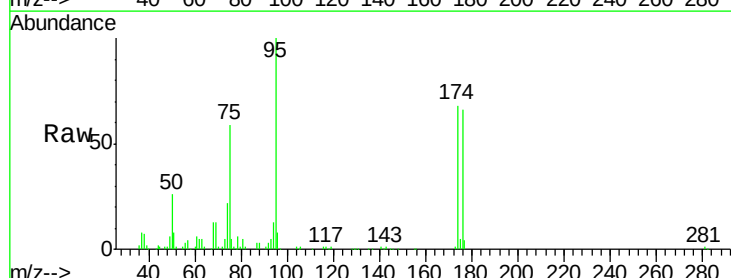
Manual Integrations
APPROVED

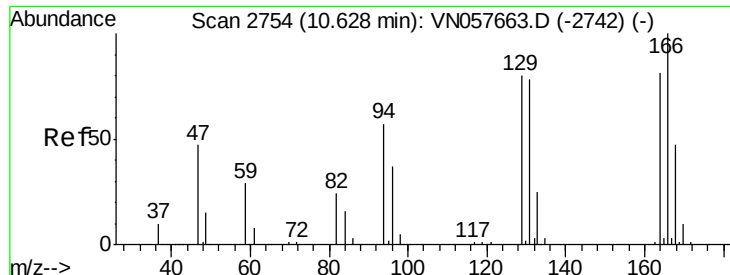
MMDadoda
9/5/2019 3:21:40 PM



#60
4-Bromofluorobenzene
Concen: 27.970 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057674.D
Acq: 3 Sep 2019 20:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	68.4	55.0	82.6
176	66.2	53.7	80.5





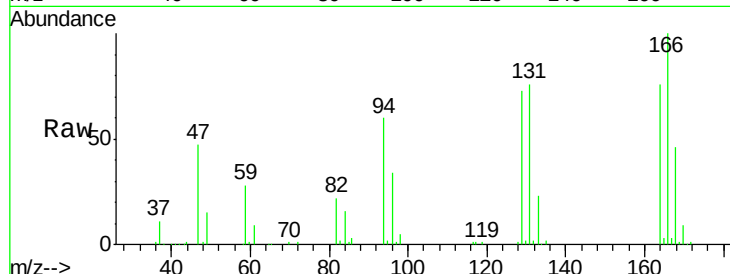
#61
Tetrachloroethene
Concen: 19.976 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN057674.D
Acq: 3 Sep 2019 20:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
164	100		
166	130.9	99.4	149.2
129	96.1	78.8	118.2
131	99.8	78.2	117.2

Manual Integrations
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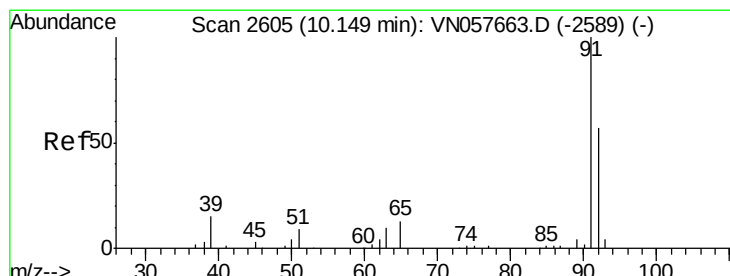
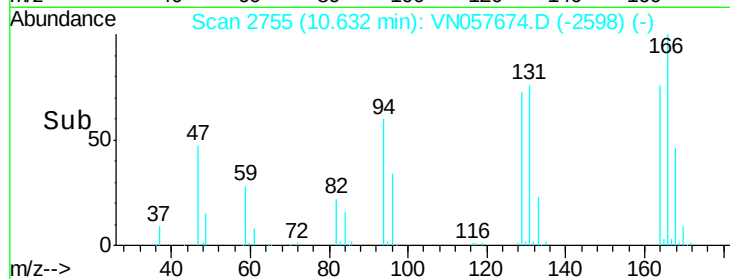
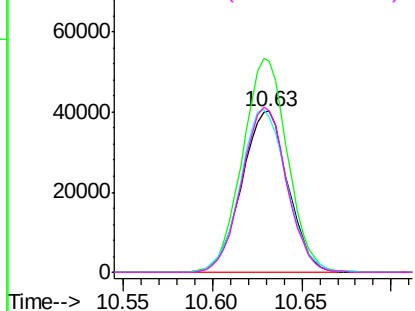
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

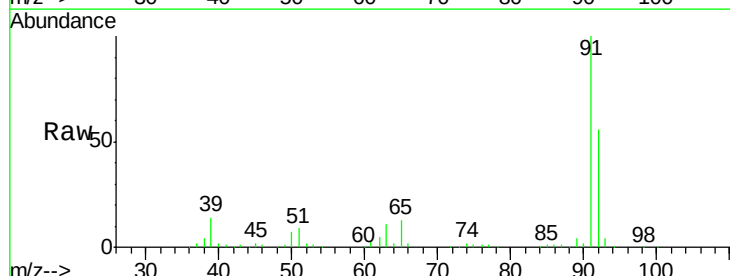
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62
Toluene
Concen: 19.695 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. 0.00 min
Lab File: VN057674.D
Acq: 3 Sep 2019 20:05

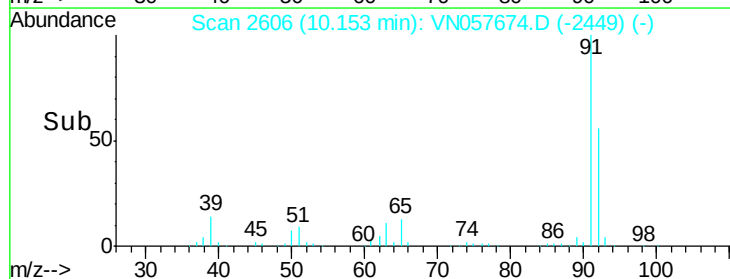
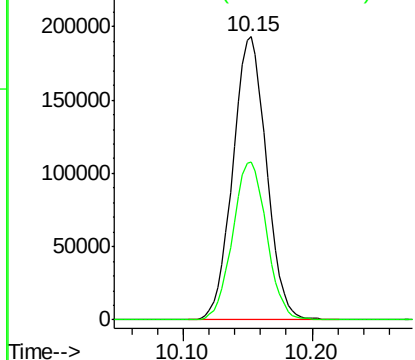
Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.3	46.1	69.1

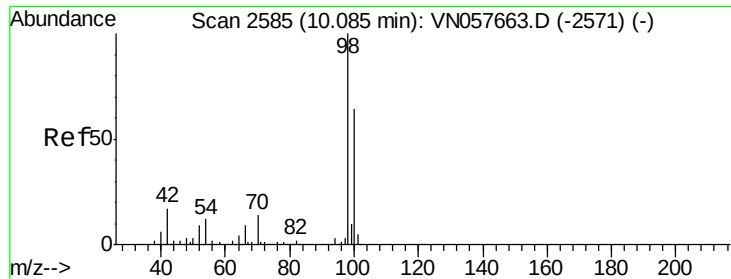


Abundance

Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO





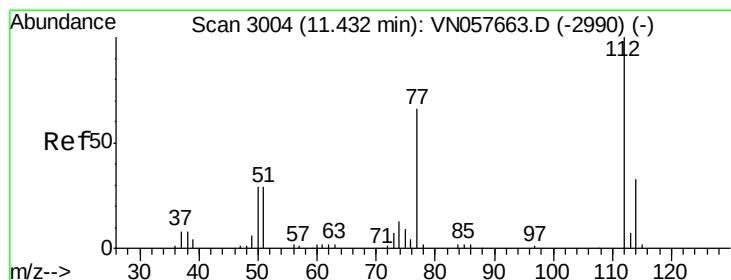
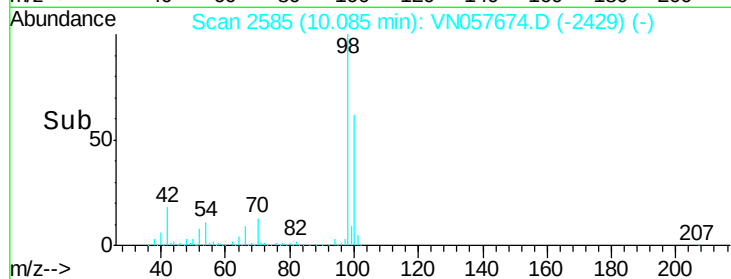
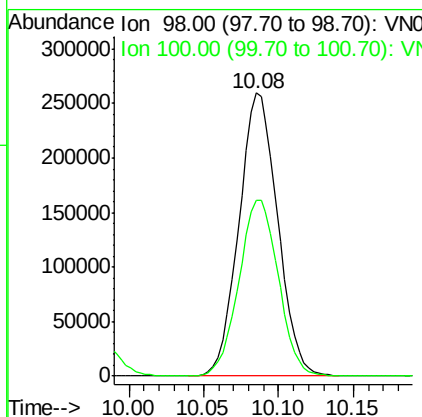
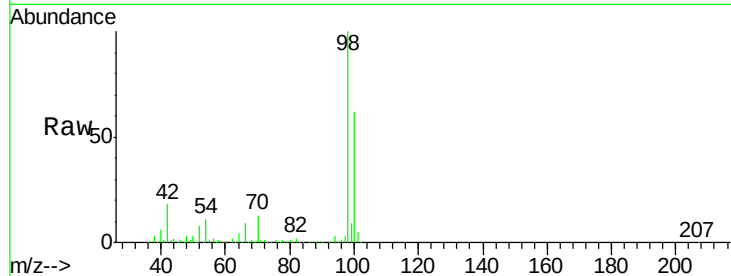
#63
Toluene-d8
Concen: 30.722 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057674.D
Acq: 3 Sep 2019 20:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
98	100		468049		
100	63.5	51.0	76.6		

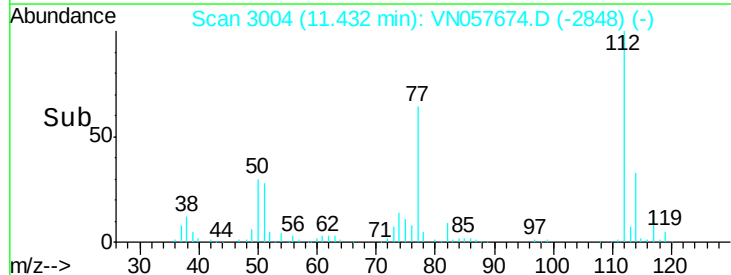
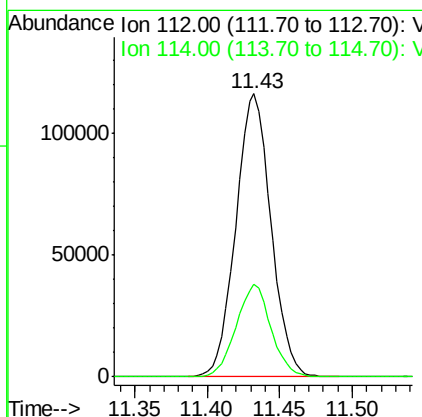
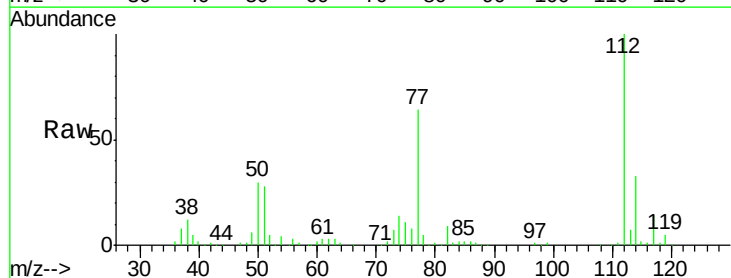
Manual Integrations
APPROVED

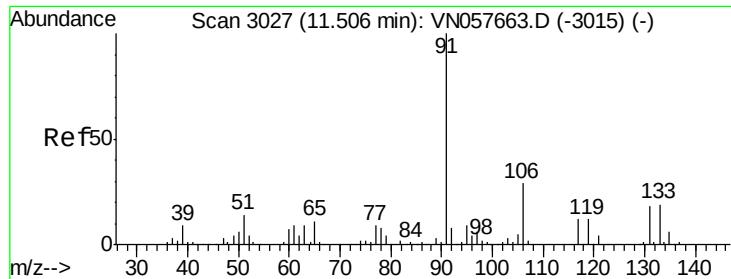
MMDadoda
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#64
Chlorobenzene
Concen: 18.800 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057674.D
Acq: 3 Sep 2019 20:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
112	100		196099		
114	32.6	26.2	39.4		





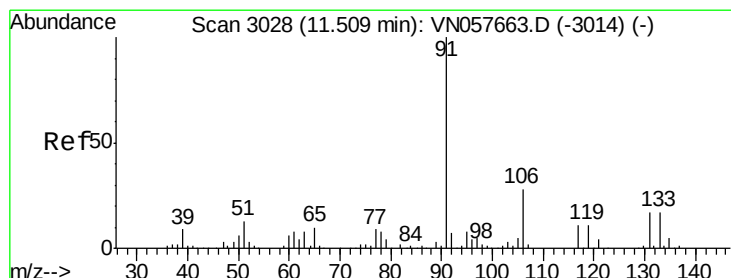
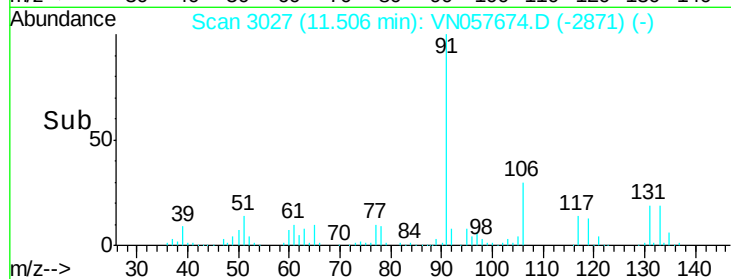
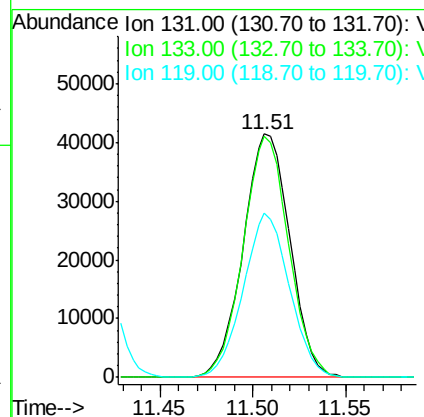
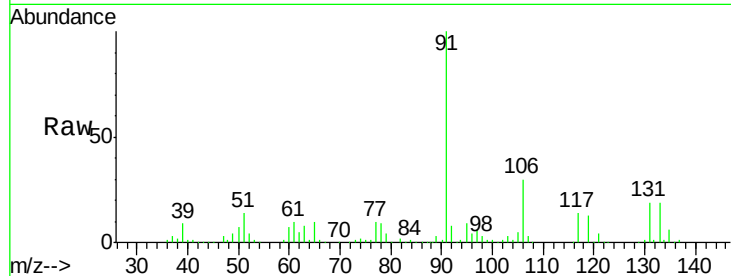
#65
 1,1,1,2-Tetrachloroethane
 Concen: 18.999 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. 0.00 min
 Lab File: VN057674.D
 Acq: 3 Sep 2019 20:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
131	100		
133	96.4	0.0	198.0
119	66.4	0.0	129.8

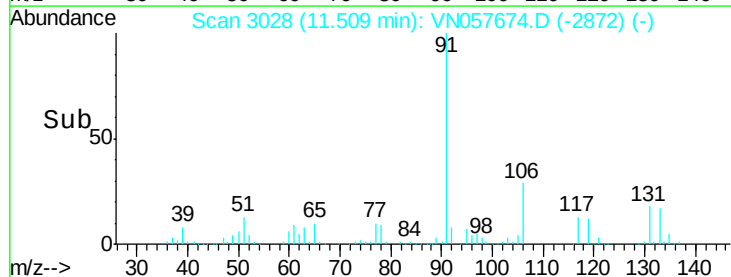
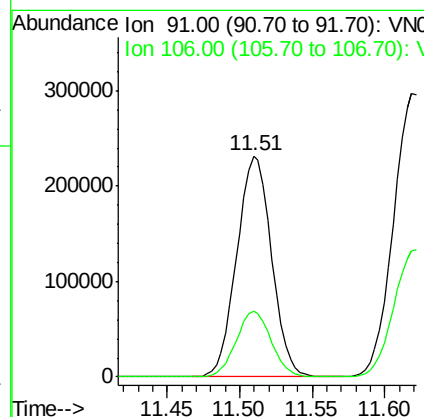
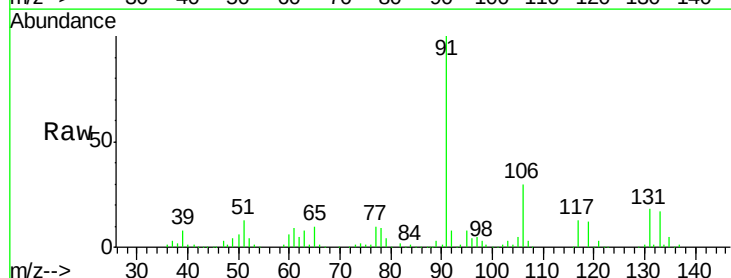
Manual Integrations
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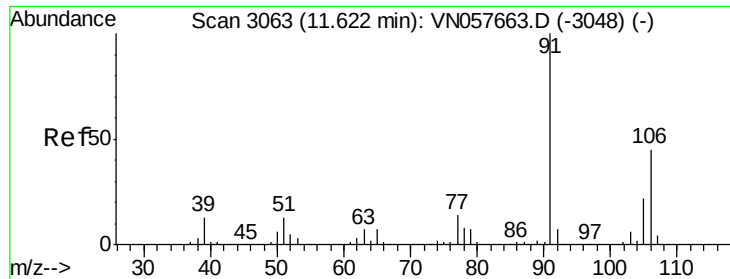
MMDadoda
 9/5/2019 3:21:40 PM



#66
 Ethyl Benzene
 Concen: 19.479 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN057674.D
 Acq: 3 Sep 2019 20:05

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.9	22.7	34.1





#67

m/p-Xylenes

Concen: 37.536 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN057674.D

Acq: 3 Sep 2019 20:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:106 Resp: 261397

Ion Ratio Lower Upper

106 100

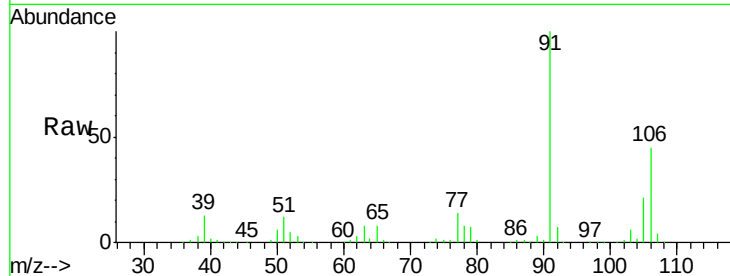
91 221.4 178.9 268.3

Manual Integrations

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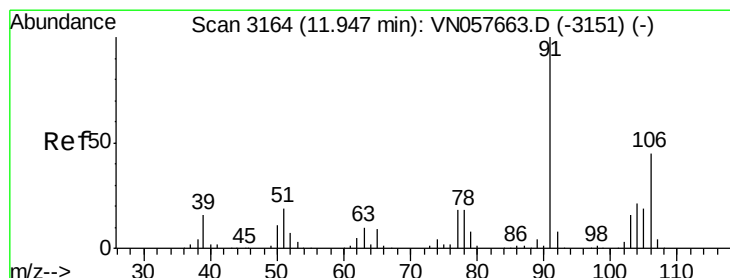
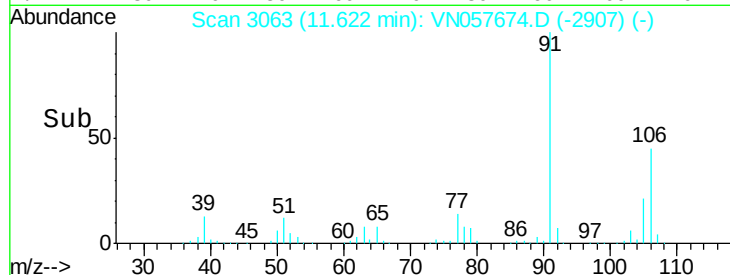
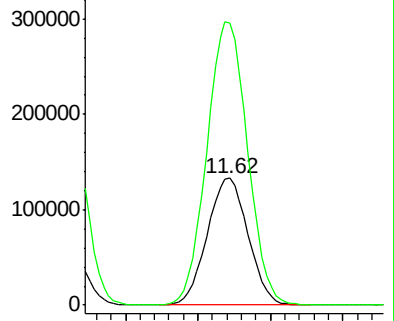
MMDadoda

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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: 18.506 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN057674.D

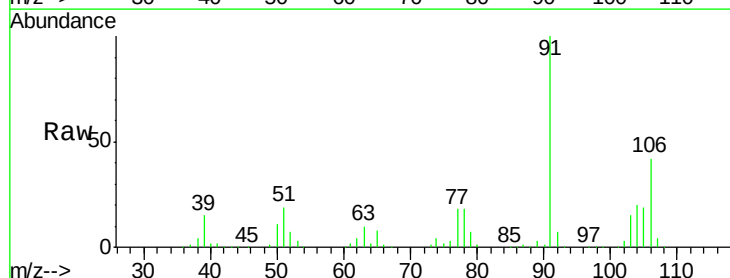
Acq: 3 Sep 2019 20:05

Tgt Ion:106 Resp: 128327

Ion Ratio Lower Upper

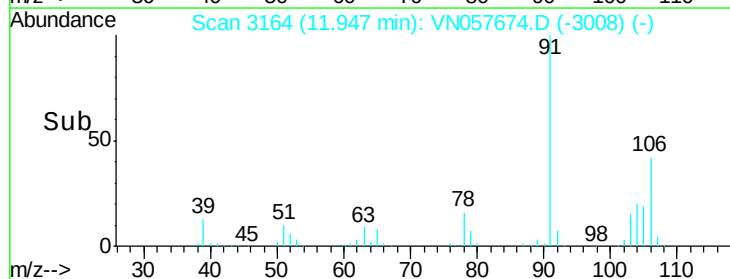
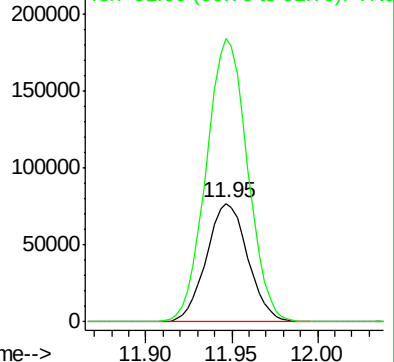
106 100

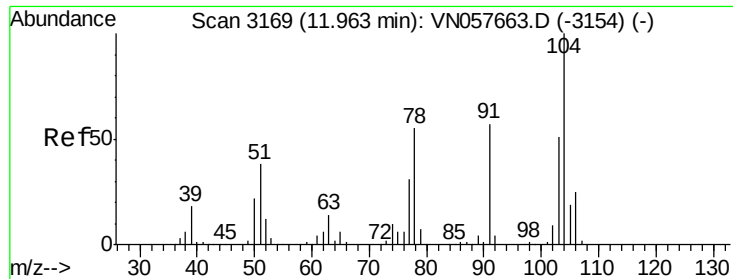
91 238.4 114.0 342.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





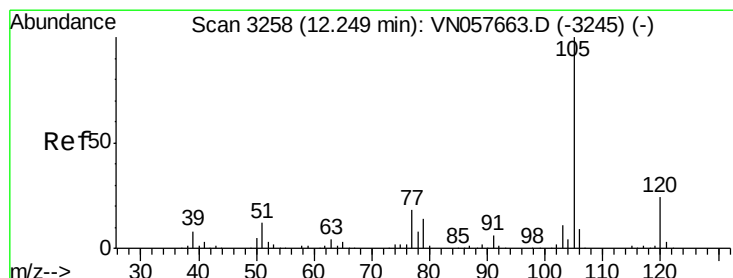
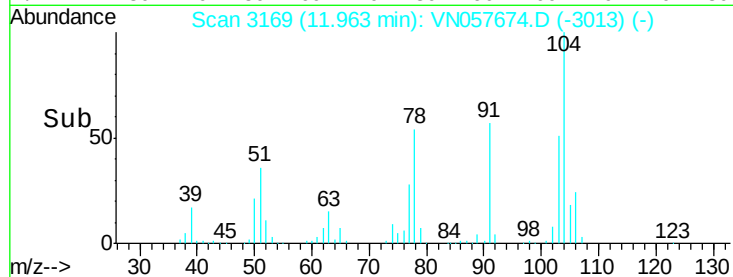
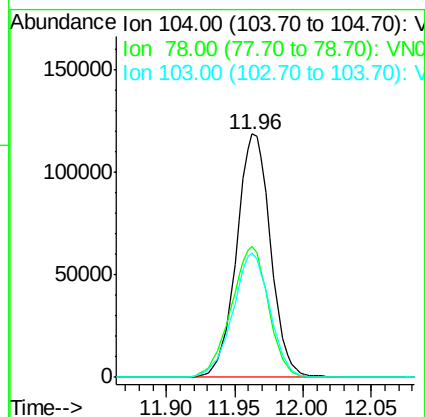
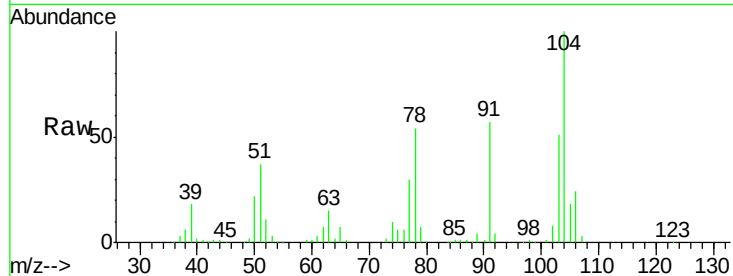
#69
Stvrene
Concen: 18.418 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057674.D
Acq: 3 Sep 2019 20:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
104	100		204703		
78	58.8	49.0	73.6		
103	55.9	44.9	67.3		

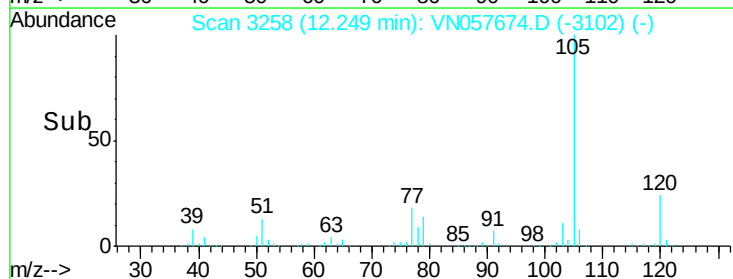
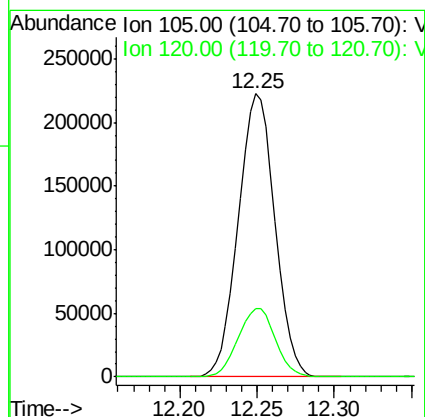
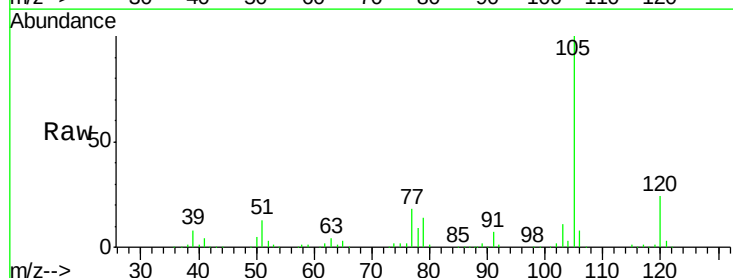
Manual Integrations
APPROVED

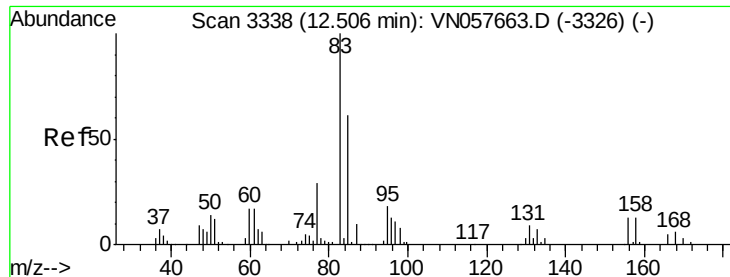
MMDadoda
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#70
Isopropylbenzene
Concen: 19.236 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN057674.D
Acq: 3 Sep 2019 20:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		365875		
120	24.6	17.2	32.0		





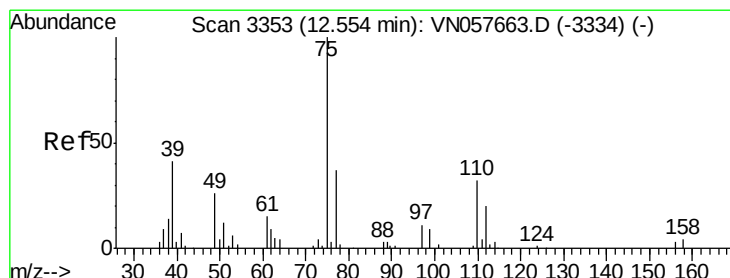
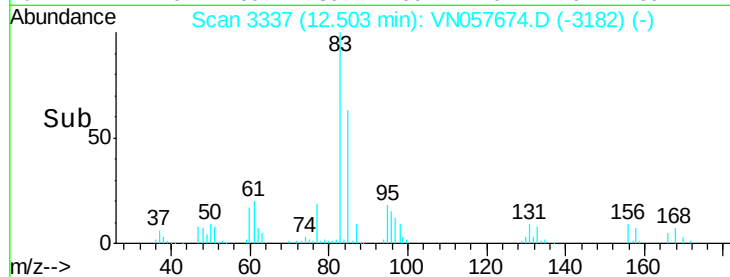
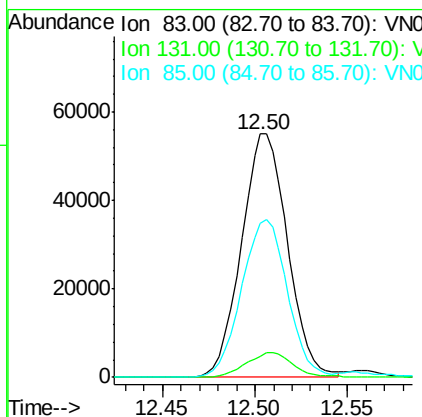
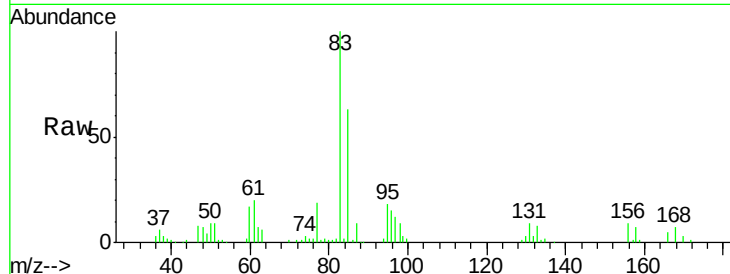
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.081 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN057674.D
 Acq: 3 Sep 2019 20:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	83	Resp	95487
Ion Ratio	100	Lower	Upper
83	100		
131	10.4	5.0	14.9
85	64.1	31.7	95.1

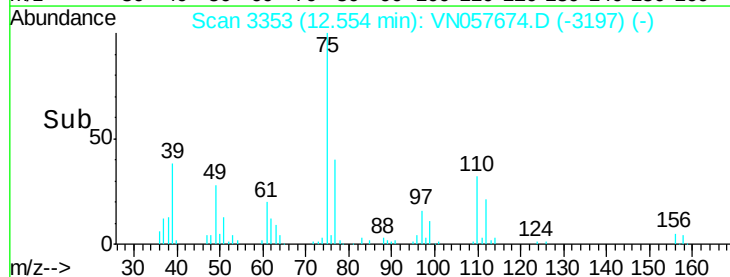
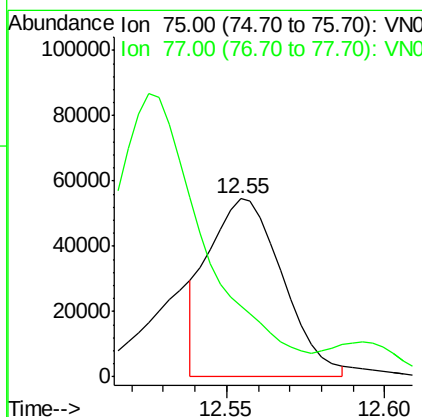
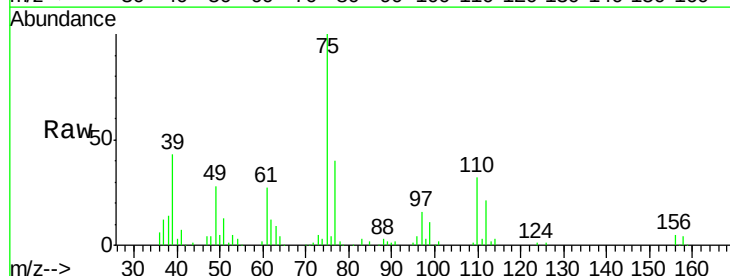
Manual Integrations
 APPROVED

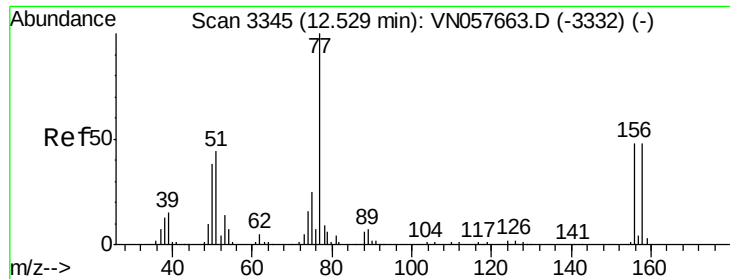
MMDadoda
 9/5/2019 3:21:40 PM



#72
 1,2,3-Trichloropropane
 Concen: 18.979 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN057674.D
 Acq: 3 Sep 2019 20:05

Tgt Ion	75	Resp	89322
Ion Ratio	100	Lower	Upper
75	100		
77	200.4	0.0	405.6





#73

Bromobenzene

Concen: 18.097 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN057674.D

Acq: 3 Sep 2019 20:05

Instrument :

MSVOA_N

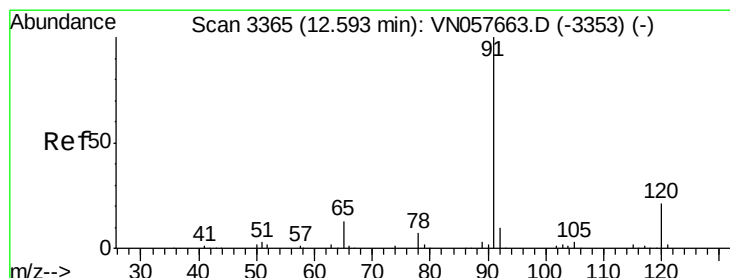
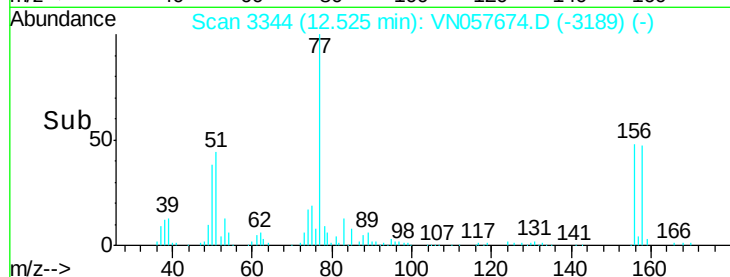
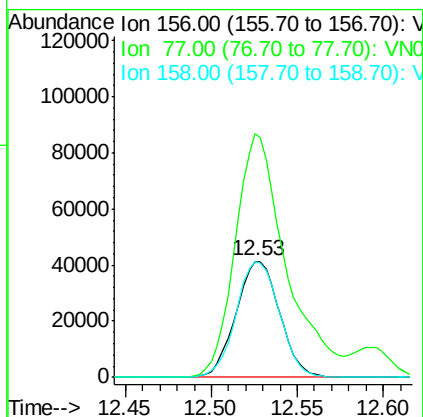
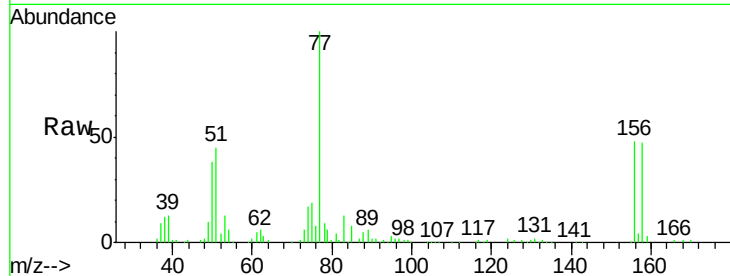
ClientSampleId :

VSTDCCC020EC

Tot Ion:	156	Resp:	72942
Ion Ratio	Lower	Upper	
156	100		
77	245.4	0.0	495.6
158	98.6	0.0	197.8

Manual Integrations
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#74

n-propylbenzene

Concen: 18.829 ug/l

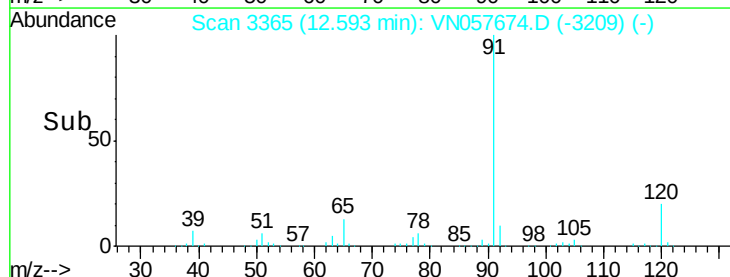
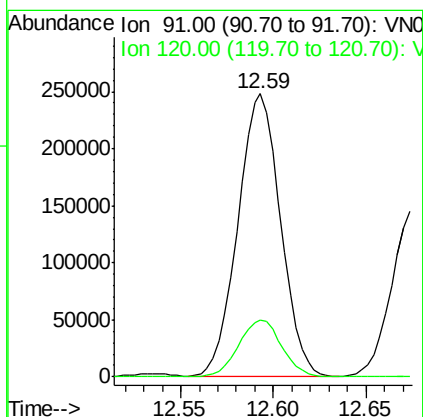
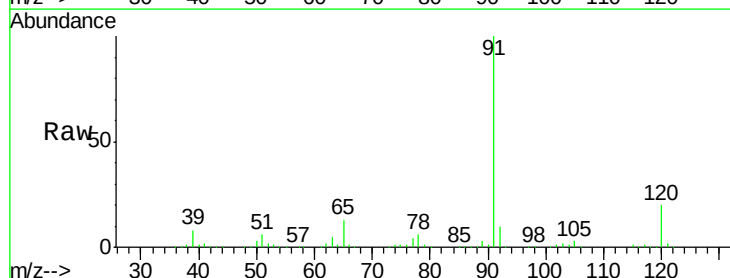
RT: 12.59 min Scan# 3365

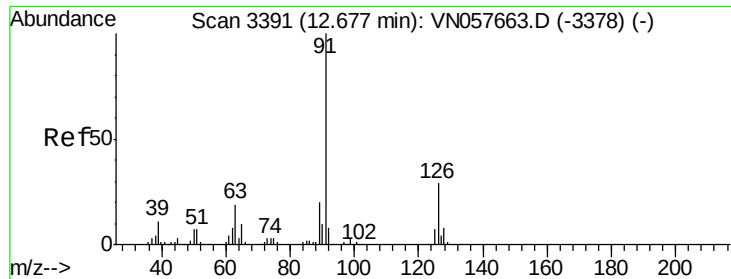
Delta R.T. 0.00 min

Lab File: VN057674.D

Acq: 3 Sep 2019 20:05

Tgt Ion:	91	Resp:	396449
Ion Ratio	Lower	Upper	
91	100		
120	20.3	0.0	40.4





#75

2-Chlorotoluene

Concen: 18.230 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057674.D

Acq: 3 Sep 2019 20:05

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020EC

Tot Ion: 91 Resp: 240288

Ion Ratio Lower Upper

91 100

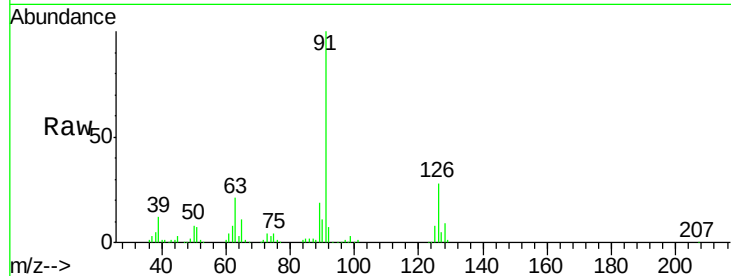
126 29.3 0.0 59.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN057663.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN057663.D (-3378) (-)

250000

200000

150000

100000

50000

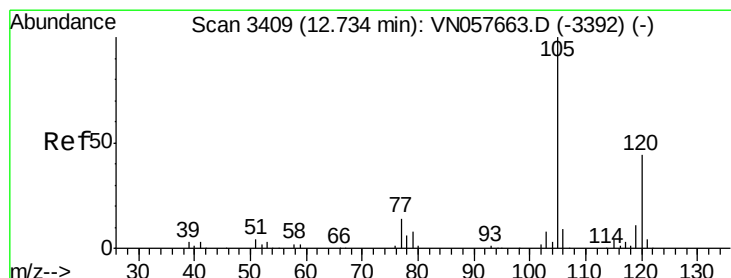
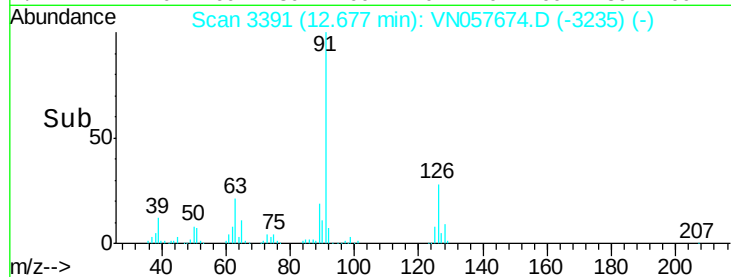
0

12.60

12.65

12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 18.716 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057674.D

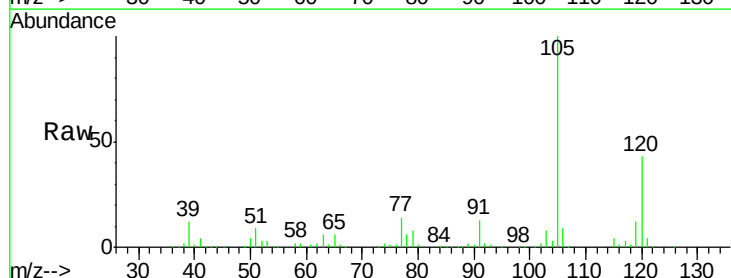
Acq: 3 Sep 2019 20:05

Tgt Ion: 105 Resp: 295524

Ion Ratio Lower Upper

105 100

120 44.2 0.0 91.0



Abundance Ion 105.00 (104.70 to 105.70): VN057663.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN057663.D (-3392) (-)

200000

150000

100000

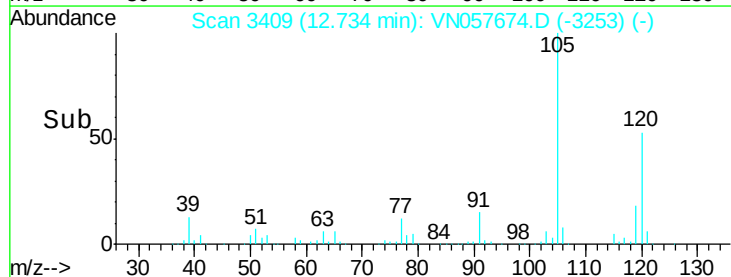
50000

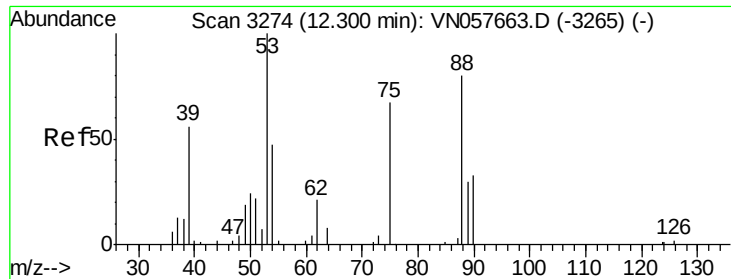
0

12.70

12.80

Time-->





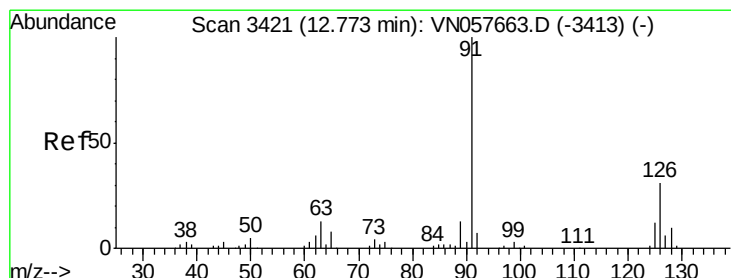
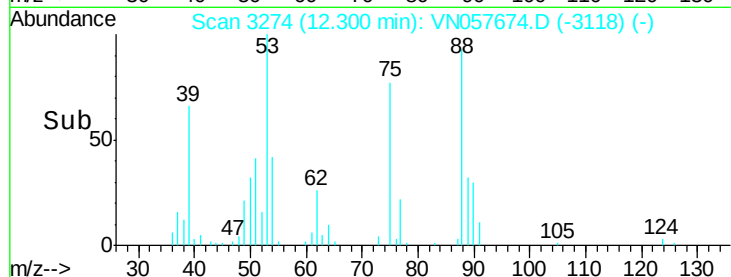
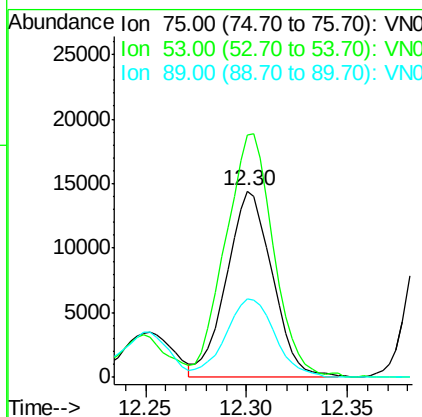
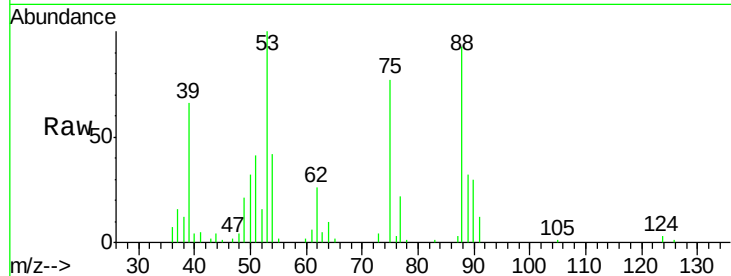
#77
t-1,4-Dichloro-2-butene
Concen: 16.010 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN057674.D
Acq: 3 Sep 2019 20:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	128.7	74.2	222.6
89	42.5	23.3	69.9

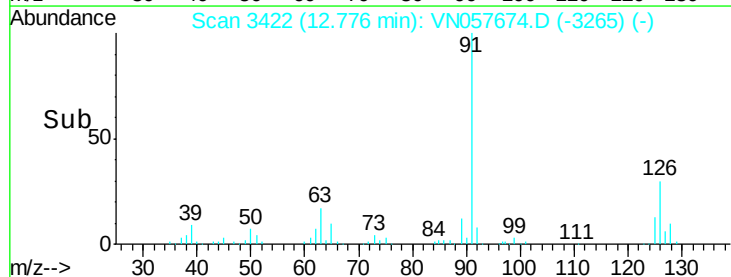
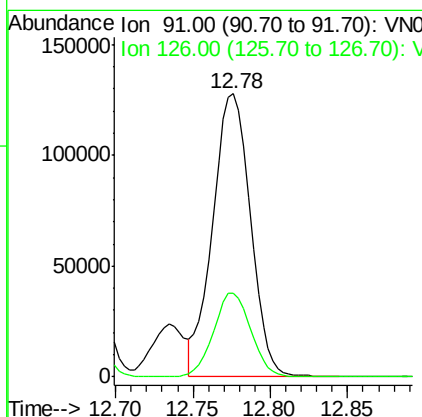
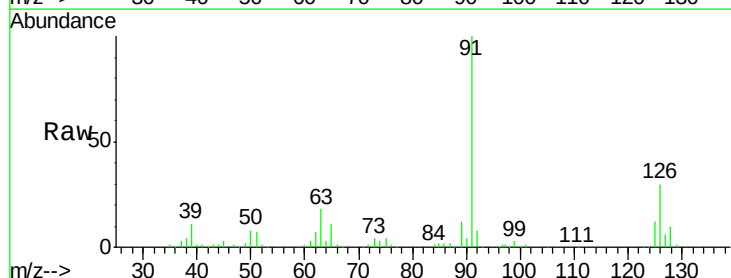
Manual Integrations
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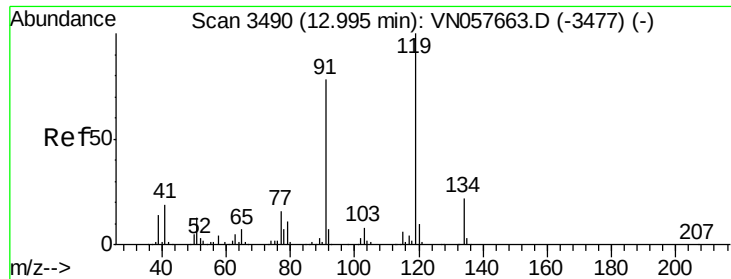
MMDadoda
9/5/2019 3:21:40 PM



#78
4-Chlorotoluene
Concen: 17.454 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN057674.D
Acq: 3 Sep 2019 20:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.2	0.0	57.8





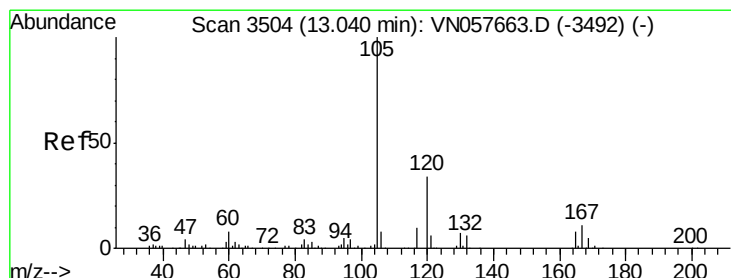
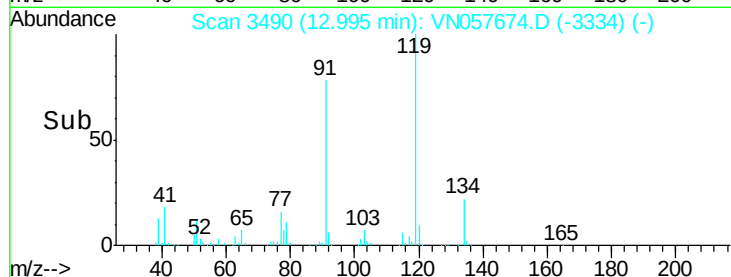
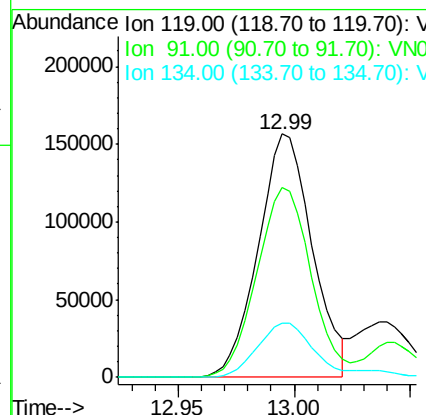
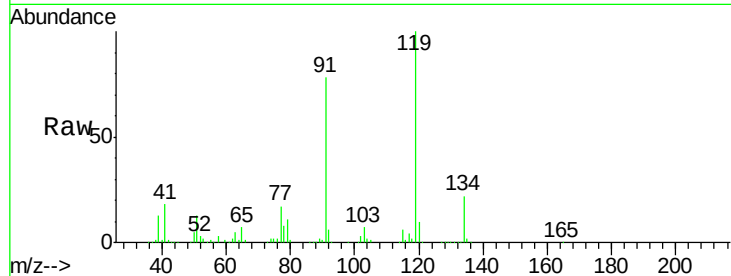
#79
tert-butylbenzene
Concen: 18.710 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057674.D
Acq: 3 Sep 2019 20:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	253723		
91	78.5	0.0	155.6	
134	23.1	0.0	48.2	

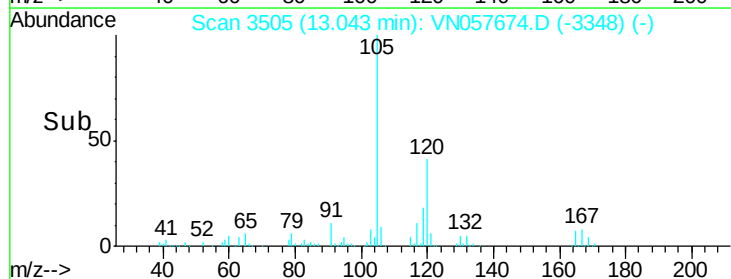
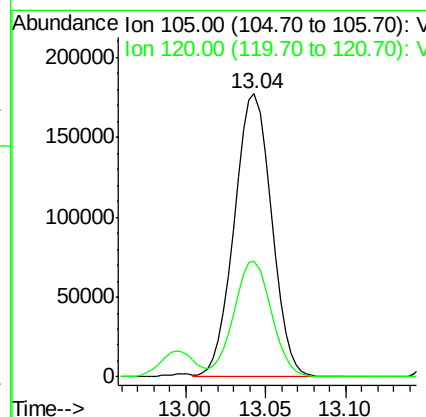
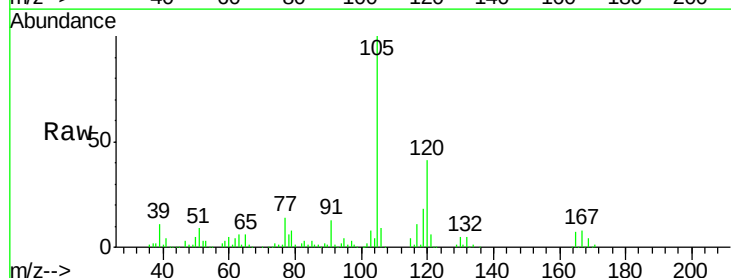
Manual Integrations
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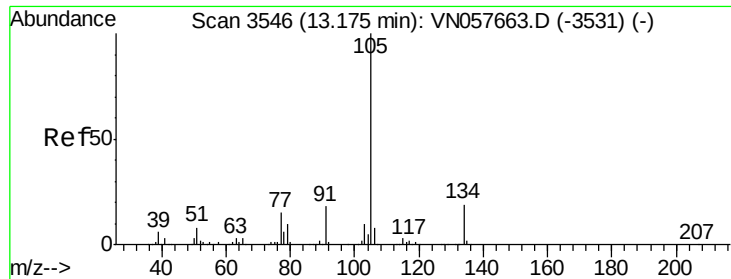
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 18.992 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN057674.D
Acq: 3 Sep 2019 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	281766		
120	41.1	0.0	83.4	





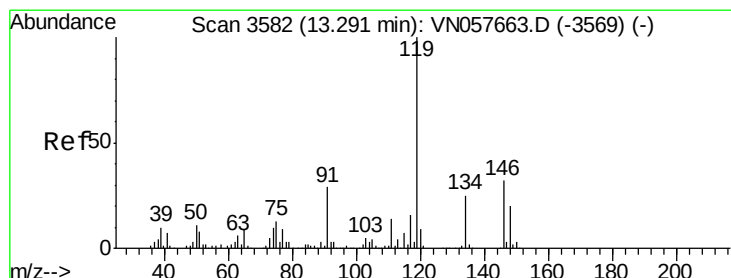
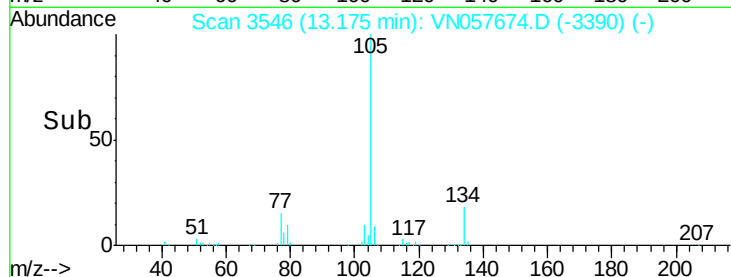
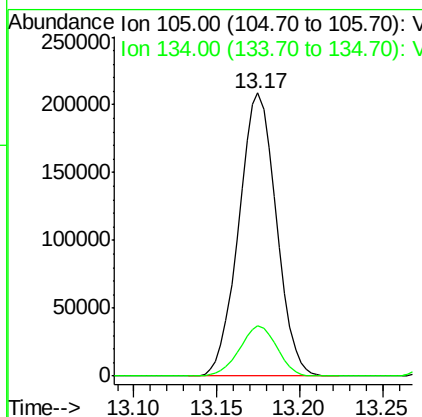
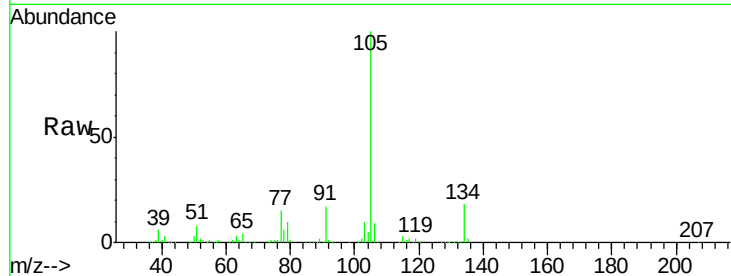
#81
 sec-Butylbenzene
 Concen: 18.742 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057674.D
 Acq: 3 Sep 2019 20:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	17.7	0.0	36.2

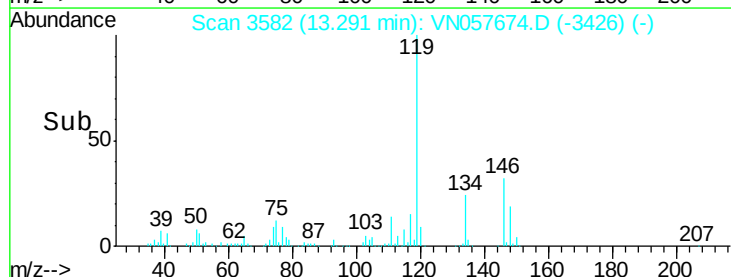
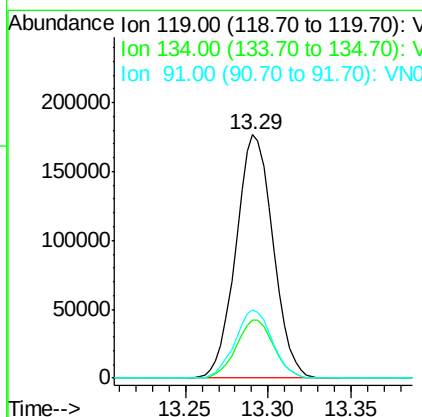
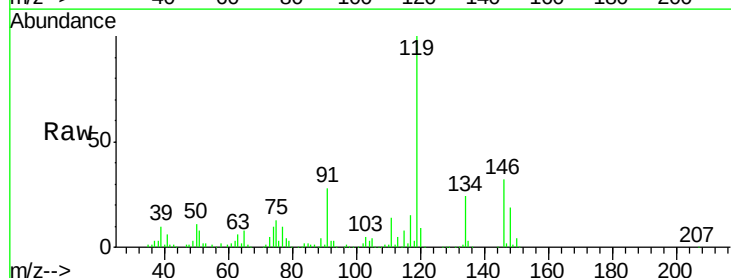
Manual Integrations
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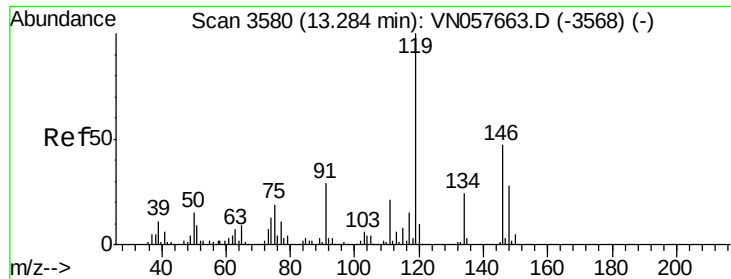
MMDadoda
 9/5/2019 3:21:40 PM



#82
 p-Isopropyltoluene
 Concen: 18.528 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN057674.D
 Acq: 3 Sep 2019 20:05

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.1	0.0	49.6
91	28.0	0.0	56.2





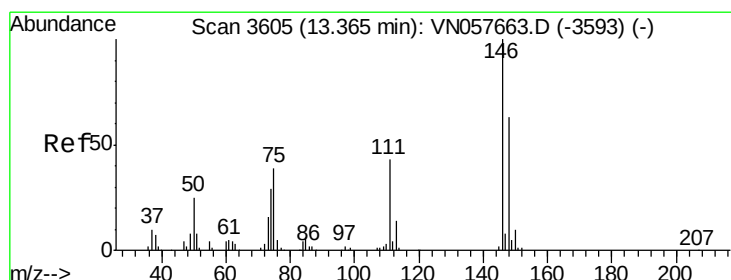
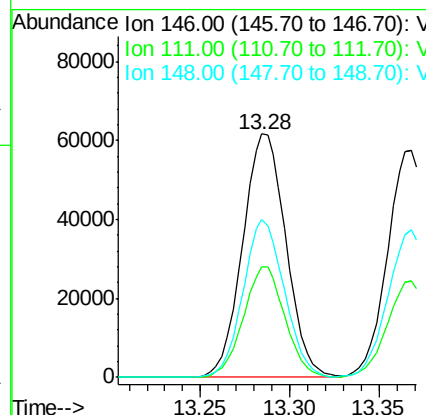
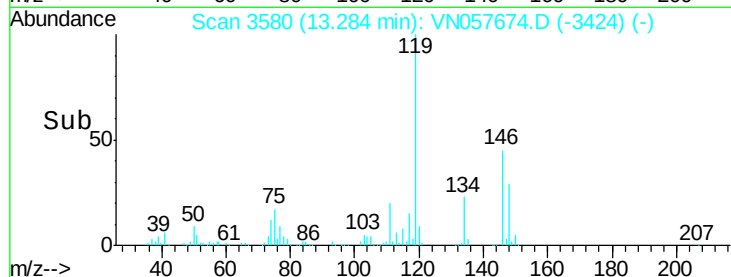
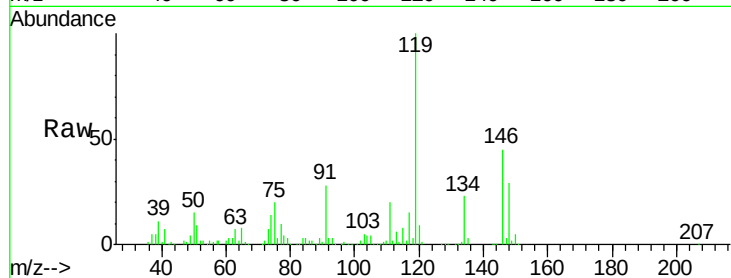
#83
 1,3-Dichlorobenzene
 Concen: 17.363 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057674.D
 Acq: 3 Sep 2019 20:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	22.1	66.3
148	61.6	31.3	93.9

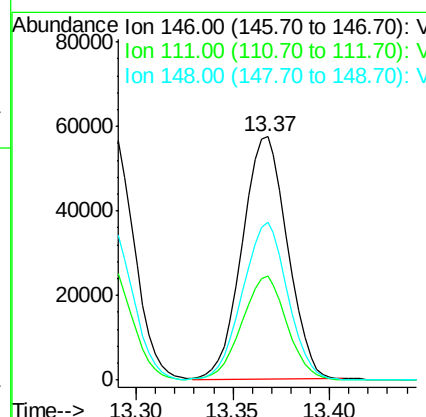
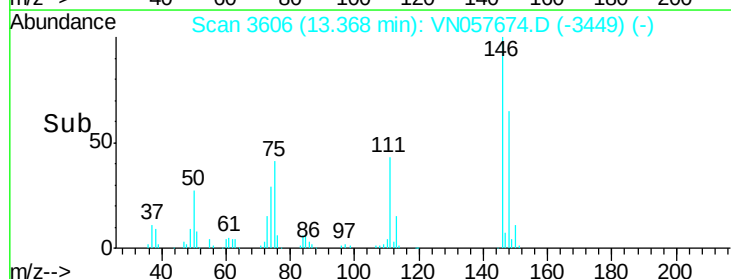
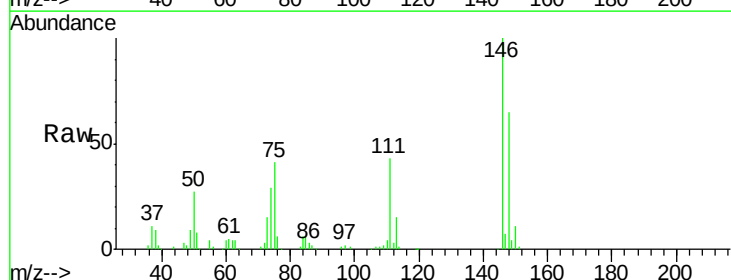
Manual Integrations
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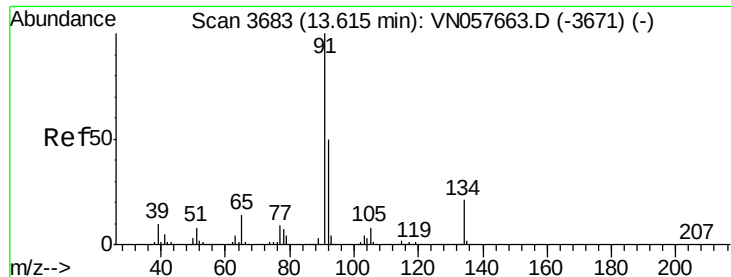
MMDadoda
 9/5/2019 3:21:40 PM



#84
 1,4-Dichlorobenzene
 Concen: 16.410 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057674.D
 Acq: 3 Sep 2019 20:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.3	63.9
148	64.3	31.0	93.0





#85

n-Butylbenzene

Concen: 18.725 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN057674.D

Acq: 3 Sep 2019 20:05

Instrument :

MSVOA_N

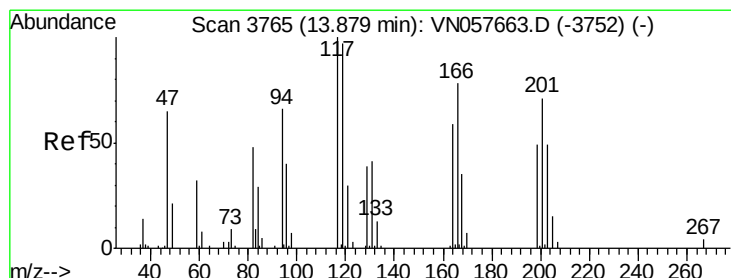
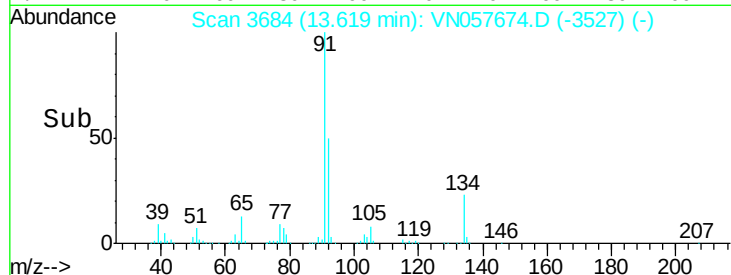
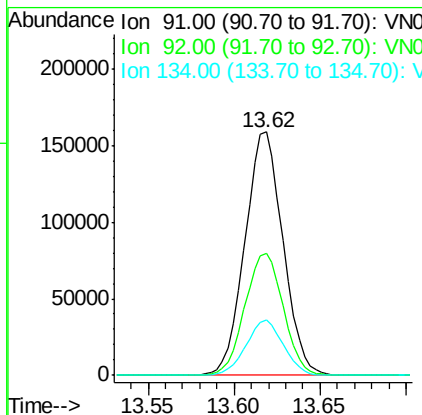
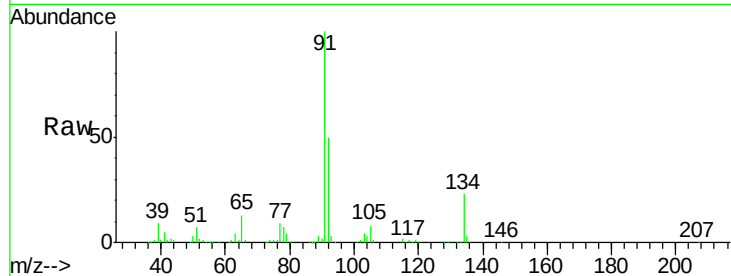
ClientSampleId :

VSTDCCC020EC

Tot Ion:	91	Resp:	244301
Ion	Ratio	Lower	Upper
91	100		
92	50.6	0.0	100.2
134	22.4	0.0	43.8

Manual Integrations
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#86

Hexachloroethane

Concen: 17.526 ug/l

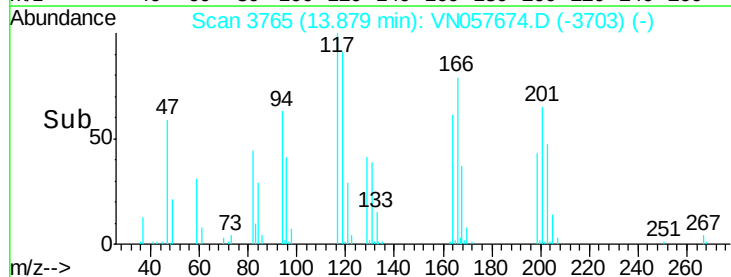
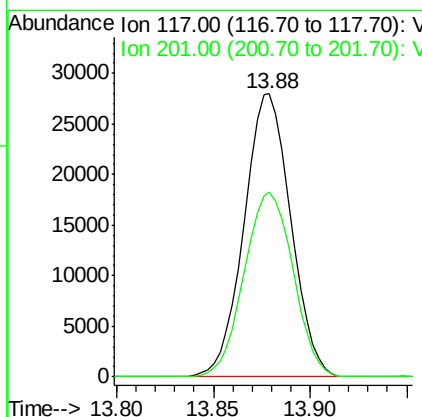
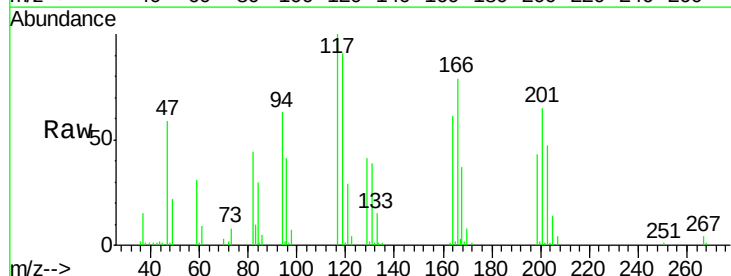
RT: 13.88 min Scan# 3765

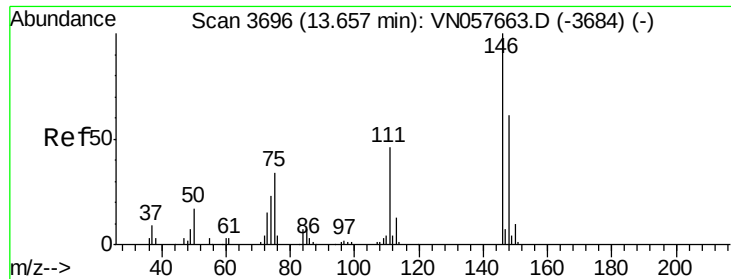
Delta R.T. 0.00 min

Lab File: VN057674.D

Acq: 3 Sep 2019 20:05

Tgt Ion:	117	Resp:	47072
Ion	Ratio	Lower	Upper
117	100		
201	68.2	34.1	102.2





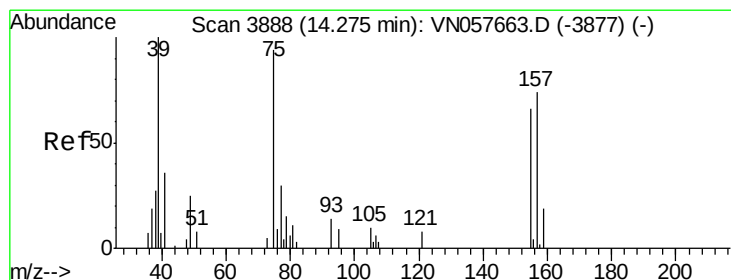
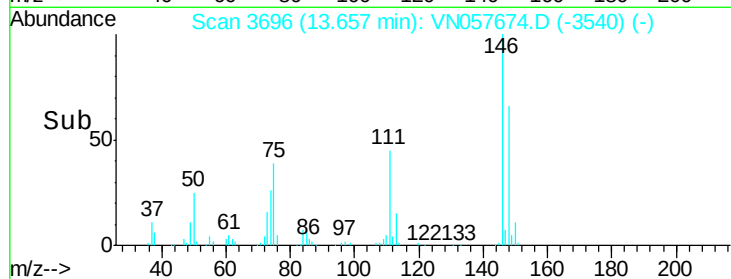
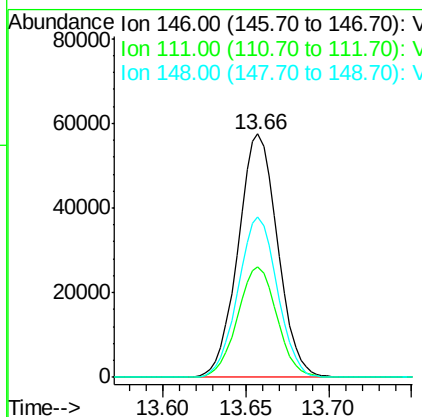
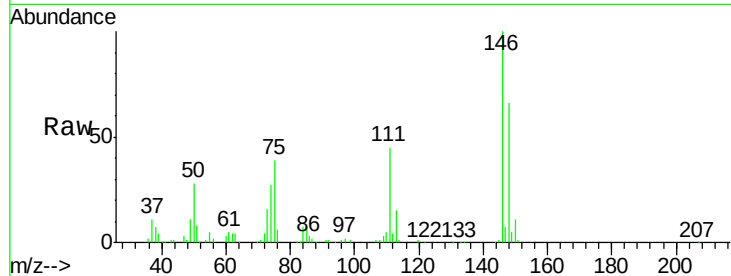
#87
 1,2-Dichlorobenzene
 Concen: 17.118 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057674.D
 Acq: 3 Sep 2019 20:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.3	22.6	67.7
148	65.4	31.3	93.9

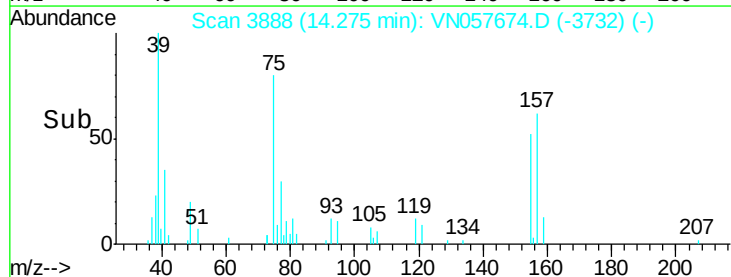
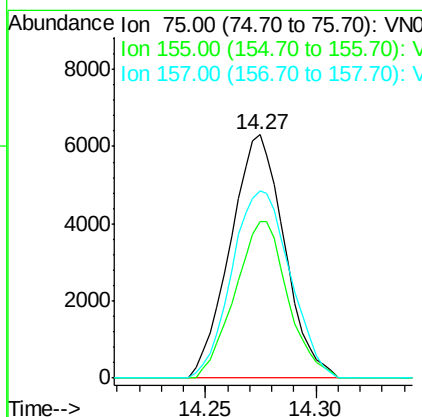
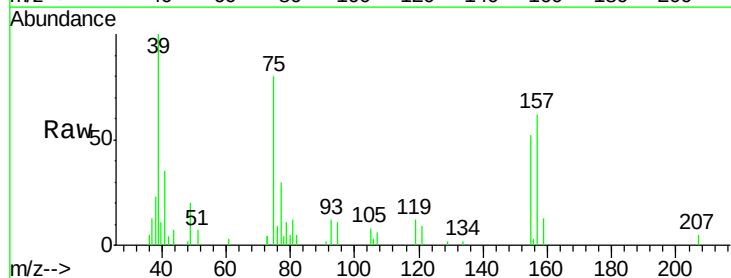
Manual Integrations
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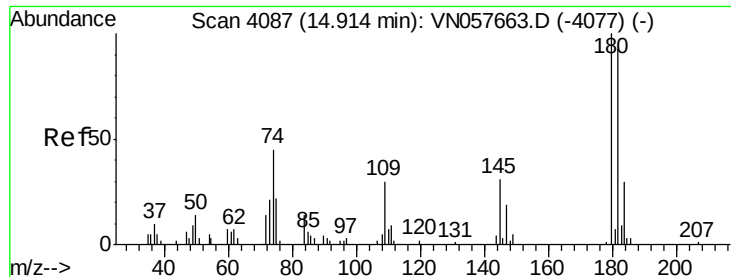
MMDadoda
 9/5/2019 3:21:40 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 14.639 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057674.D
 Acq: 3 Sep 2019 20:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	62.7	54.6	82.0
157	82.9	65.5	98.3





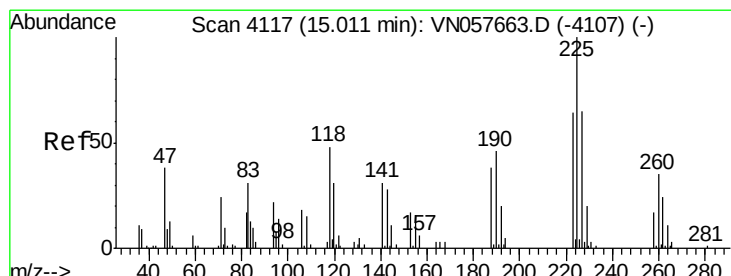
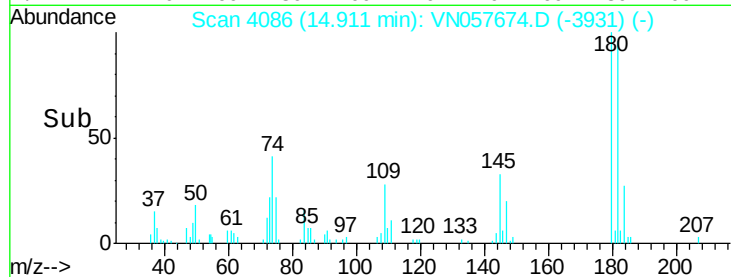
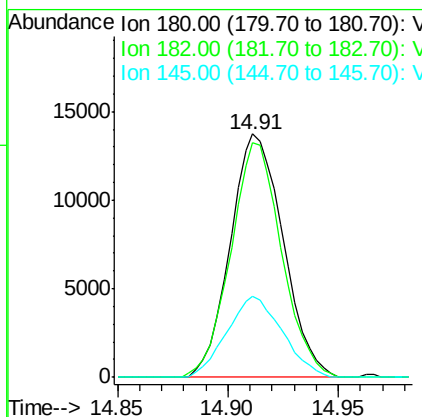
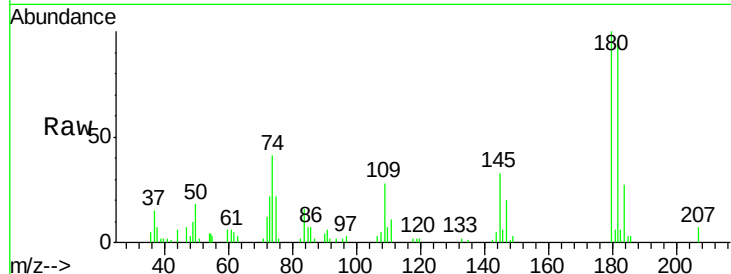
#89
 1,2,4-Trichlorobenzene
 Concen: 11.859 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN057674.D
 Acq: 3 Sep 2019 20:05

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.7	77.4	116.2
145	34.7	25.1	37.7

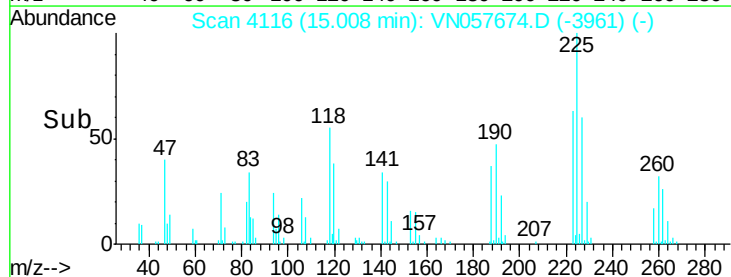
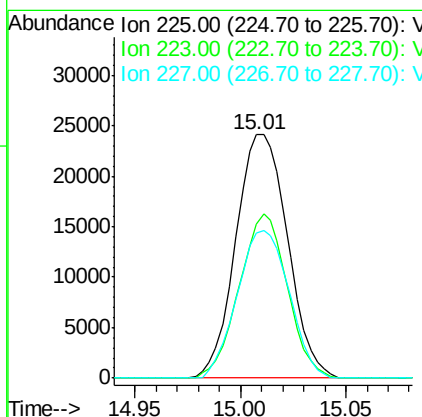
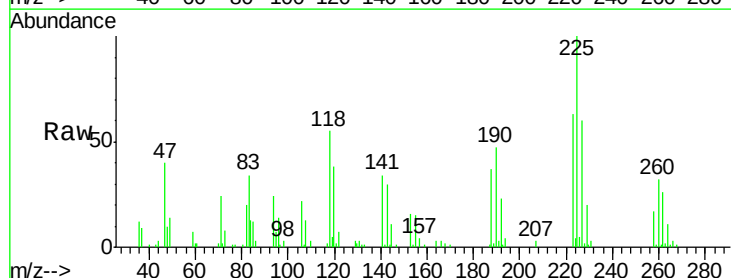
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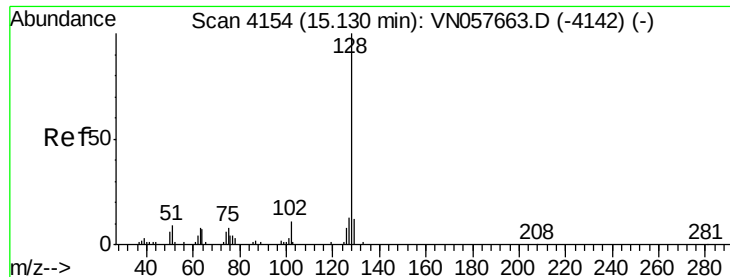
MMDadoda
 9/5/2019 3:21:40 PM



#90
 Hexachlorobutadiene
 Concen: 19.230 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN057674.D
 Acq: 3 Sep 2019 20:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	0.0	131.0
227	60.7	0.0	128.6





#91

Naphthalene

Concen: 11.388 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057674.D

Acq: 3 Sep 2019 20:05

Instrument :

MSVOA_N

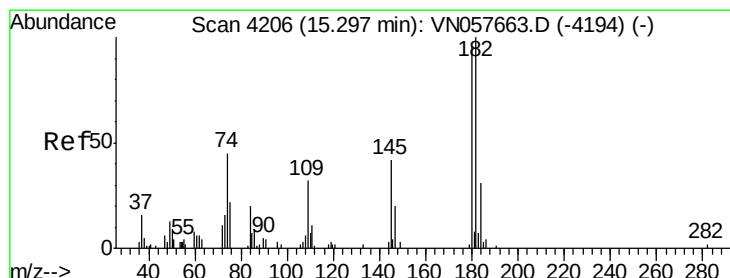
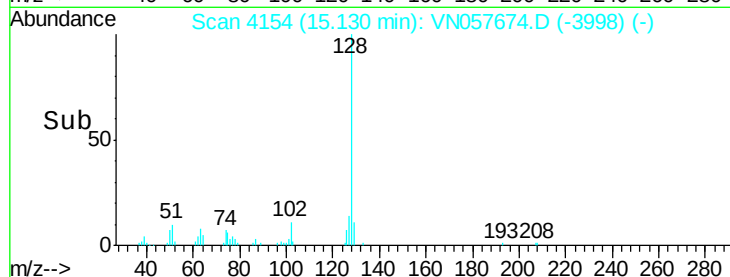
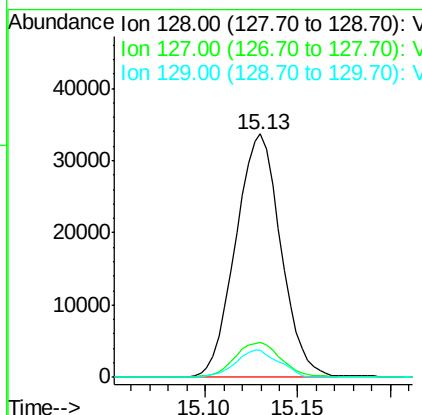
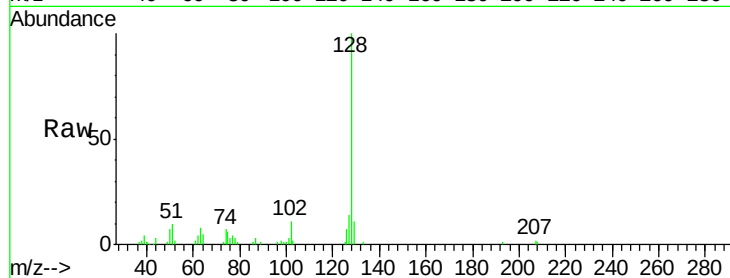
ClientSampleId :

VSTDCCC020EC

Tot Ion:	128	Resp:	57074
Ion Ratio	Lower	Upper	
128	100		
127	14.7	10.3	15.5
129	10.6	9.1	13.7

Manual Integrations
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#92

1,2,3-Trichlorobenzene

Concen: 12.351 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. -0.00 min

Lab File: VN057674.D

Acq: 3 Sep 2019 20:05

Tgt Ion:	180	Resp:	23158
Ion Ratio	Lower	Upper	
180	100		
182	94.1	0.0	199.4
145	33.1	0.0	73.2

