

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030119\
 Data File : VN054021.D
 Acq On : 1 Mar 2019 11:23
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN030119

Manual Integrations
 APPROVED

MMDadoda
 3/6/2019 10:23:34 AM

Quant Time: Mar 04 15:01:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N030119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 01 11:11:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	118363	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	663116	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	569034	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	251304	30.23	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.77%
60) 4-Bromofluorobenzene	12.40	95	263276	30.23	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.77%
63) Toluene-d8	10.09	98	822408	30.04	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.13%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	138307	20.666	ug/l 100
3) Chloromethane	2.06	50	186188	20.915	ug/l 99
4) Vinyl Chloride	2.18	62	182261	20.446	ug/l 96
5) Bromomethane	2.57	94	120717	22.014	ug/l 100
6) Chloroethane	2.71	64	108668	20.705	ug/l 99
7) Trichlorofluoromethane	3.02	101	229160	21.158	ug/l 99
8) Diethyl Ether	3.41	74	85356	20.955	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	145078	20.835	ug/l 97
10) 1,1-Dichloroethene	3.74	96	134889	20.675	ug/l 97
11) Methyl Iodide	3.95	142	175841	18.170	ug/l 99
12) Methyl Acetate	4.33	43	117827	21.420	ug/l 95
13) Acrolein	3.61	56	41022	84.612	ug/l 100
14) Acrylonitrile	4.99	53	267306	101.121	ug/l 98
15) Acetone	3.82	58	80207	105.286	ug/l 98
16) Carbon Disulfide	4.06	76	441732	20.868	ug/l 99
17) Allyl chloride	4.32	41	248804	21.563	ug/l 99
18) Methylene Chloride	4.55	84	154215	20.470	ug/l 99
19) trans-1,2-Dichloroethene	5.04	96	147935	20.901	ug/l 98
20) Diisopropyl ether	5.95	45	476177	20.630	ug/l 96
21) 1,1-Dichloroethane	5.85	63	278547	20.434	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	161779	20.532	ug/l 96
23) tert-Butyl Alcohol	4.78	59	48320	102.055	ug/l # 100
24) Methyl tert-Butyl Ether	5.04	73	376619	21.324	ug/l 100
25) Chloroform	7.37	83	271242	20.623	ug/l 100
26) Cyclohexane	7.65	56	260394	20.990	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	209283	20.149	ug/l 100
30) 2-Butanone	6.83	43	325541	99.264	ug/l 99
31) 2,2-Dichloropropane	6.82	77	211623	20.662	ug/l # 52
32) 1,1,1-Trichloroethane	7.57	97	225627	20.195	ug/l 98
33) Carbon Tetrachloride	7.77	117	200245	20.243	ug/l 99
34) Benzene	8.04	78	620121	20.089	ug/l 98
35) Methacrylonitrile	7.17	41	58551m	15.967	ug/l
36) 1,2-Dichloroethane	8.12	62	193621	19.533	ug/l 100
37) Trichloroethene	8.84	130	162582	20.176	ug/l 98
38) Methylcyclohexane	9.08	83	247505	20.189	ug/l 99
39) 1,2-Dichloropropane	9.12	63	168931	19.976	ug/l 99
40) Dibromomethane	9.21	93	95071	19.610	ug/l 98

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MMDadoda
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	204439	19.875	ug/l	97
42) Vinyl Acetate	5.90	43	1715134	101.230	ug/l	100
43) Ethyl Acetate	6.93	43	143004	20.818	ug/l #	74
44) Isopropyl Acetate	8.16	43	237686m	19.719	ug/l	
45) 1,4-Dioxane	9.20	88	28146	400.271	ug/l	97
46) Methyl methacrylate	9.20	41	111141	19.196	ug/l	95
47) n-amyl Acetate	12.07	43	178259	20.132	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	202786	19.662	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	239630	19.786	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	134199	19.734	ug/l	98
51) Ethyl methacrylate	10.43	69	162484	19.848	ug/l	96
52) 1,3-Dichloropropane	10.71	76	232713	19.939	ug/l	100
53) Dibromochloromethane	10.90	129	149141	19.959	ug/l	100
54) 1,2-Dibromoethane	11.01	107	126329	19.501	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	377480	99.361	ug/l	100
56) Bromoform	12.13	173	97492	19.649	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	651614	101.625	ug/l	97
59) 2-Hexanone	10.75	43	419773	100.202	ug/l	99
61) Tetrachloroethene	10.63	164	162479	20.539	ug/l	95
62) Toluene	10.16	91	653396	20.546	ug/l	100
64) Chlorobenzene	11.43	112	388536	20.064	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	143390	20.166	ug/l	99
66) Ethyl Benzene	11.51	91	676098	20.339	ug/l	100
67) m/p-Xylenes	11.62	106	523942	41.864	ug/l	99
68) o-Xylene	11.95	106	251087	20.696	ug/l	99
69) Styrene	11.96	104	398514	20.744	ug/l	100
70) Isopropylbenzene	12.25	105	661073	20.761	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	157498	20.040	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	132374m	22.182	ug/l	
73) Bromobenzene	12.53	156	161595	20.129	ug/l	99
74) n-propylbenzene	12.59	91	791567	20.876	ug/l	100
75) 2-Chlorotoluene	12.67	91	458219	20.637	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	568425	21.074	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	40921	19.270	ug/l	100
78) 4-Chlorotoluene	12.77	91	465710	20.961	ug/l	98
79) tert-butylbenzene	12.99	119	496928	21.025	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	569494	21.214	ug/l	100
81) sec-Butylbenzene	13.17	105	685263	21.140	ug/l	99
82) p-Isopropyltoluene	13.29	119	591639	21.375	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	296563	20.943	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	281309	20.807	ug/l	99
85) n-Butylbenzene	13.61	91	508250	21.069	ug/l	99
86) Hexachloroethane	13.88	117	102737	19.853	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	288686	21.021	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	23495	20.662	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	150668	21.596	ug/l	99
90) Hexachlorobutadiene	15.01	225	114170	22.523	ug/l	98
91) Naphthalene	15.13	128	297751	22.605	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	150966	21.912	ug/l	98

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QLast Update : Fri Mar 01 11:11:48 2019
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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

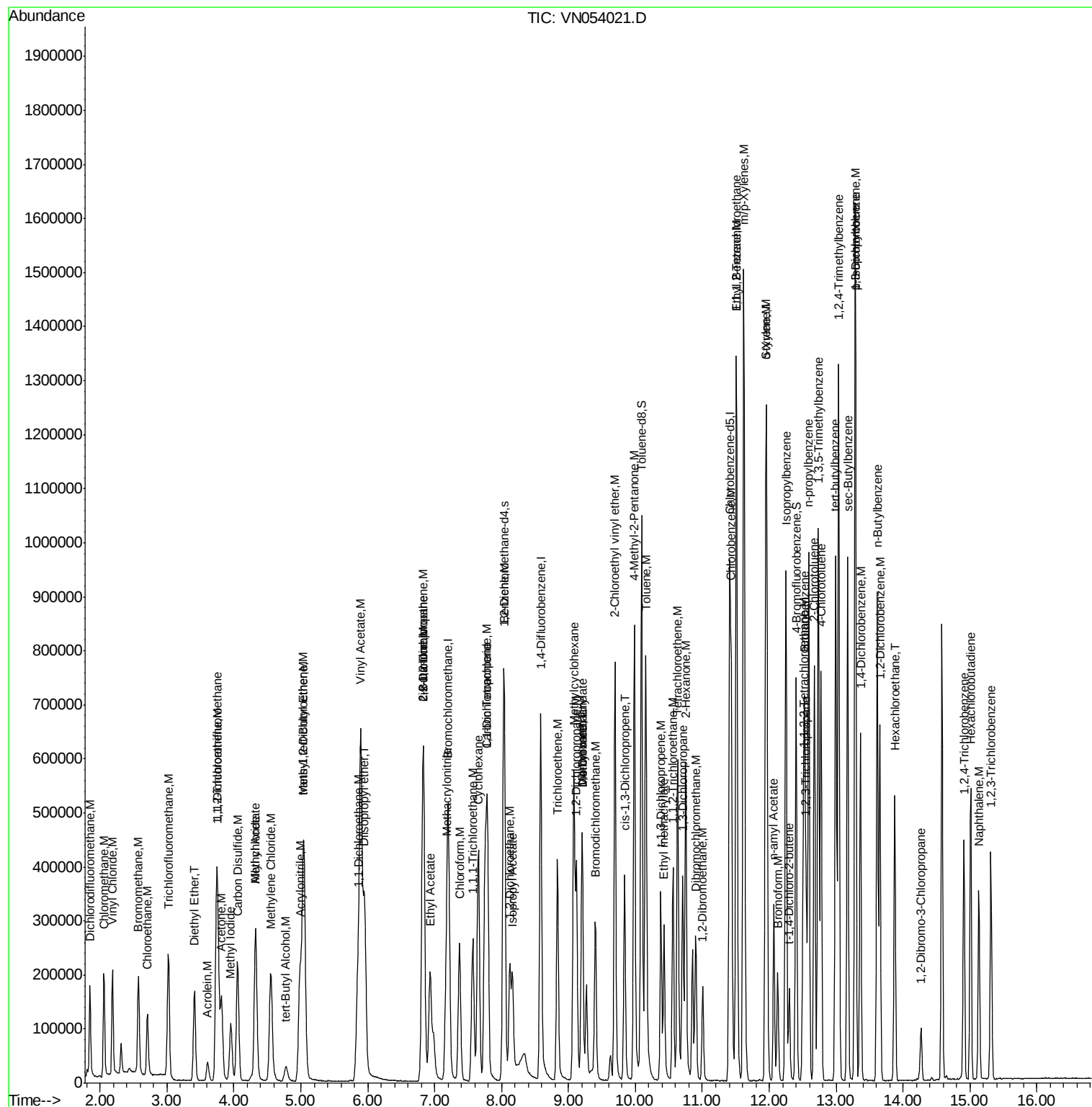
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030119\
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 Acq On : 1 Mar 2019 11:23
 Operator : JC/SP
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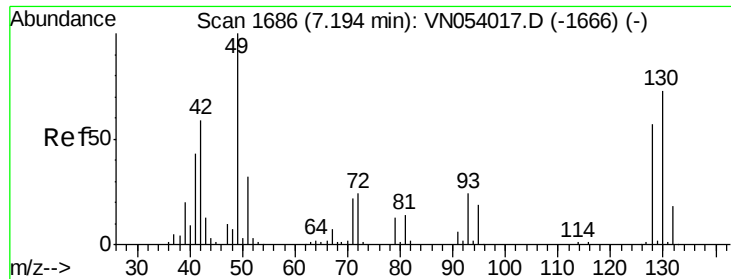
Instrument :
 MSVOA_N
 ClientSampleId :
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Manual Integrations
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 01 11:11:48 2019
 Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Instrument :

MSVOA_N

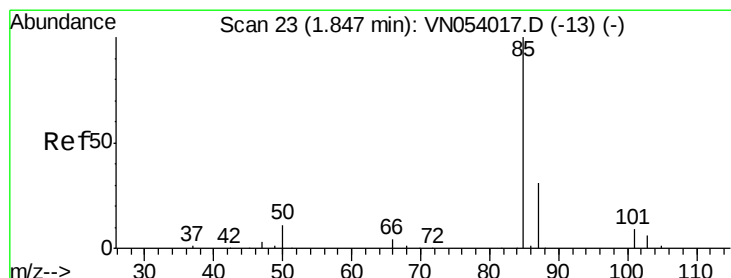
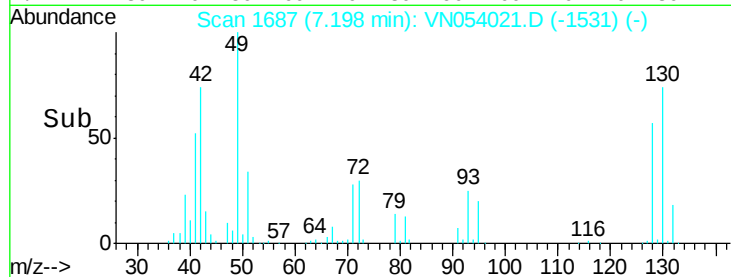
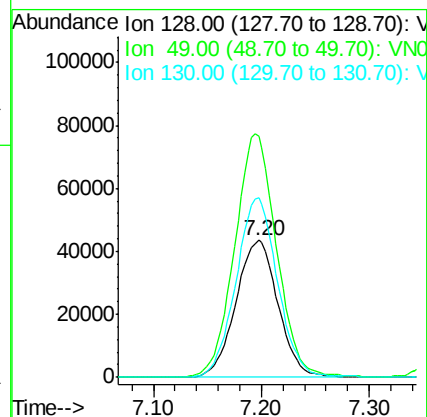
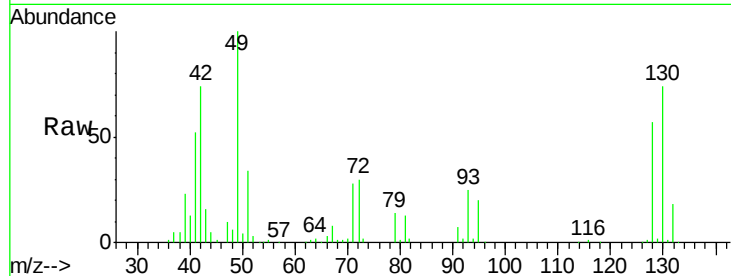
ClientSampled :

ICVVN030119

Tot Ion:	128	Resp:	118363
Ion	Ratio	Lower	Upper
128	100		
49	175.4	0.0	431.8
130	129.7	0.0	317.0

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 20.666 ug/l

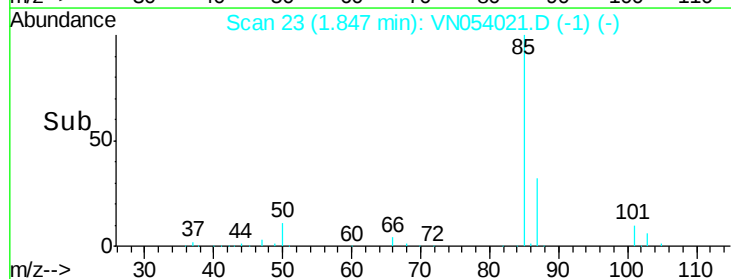
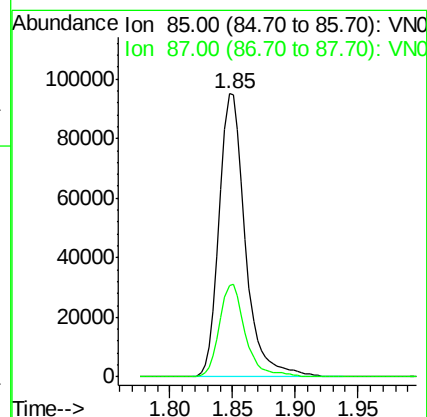
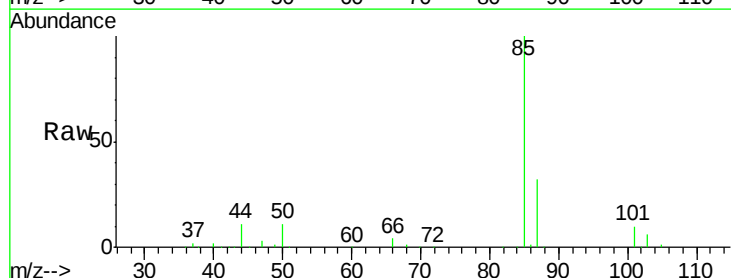
RT: 1.85 min Scan# 23

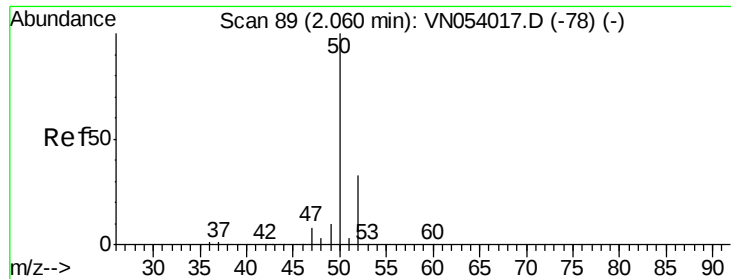
Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Tgt Ion:	85	Resp:	138307
Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.1	48.3





#3

Chloromethane

Concen: 20.915 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Instrument :

MSVOA_N

ClientSampled :

ICVVN030119

Tot Ion: 50 Resp: 186188

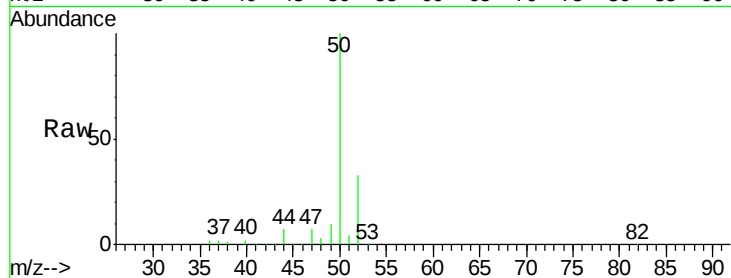
Ion Ratio Lower Upper

50 100

52 32.7 26.5 39.7

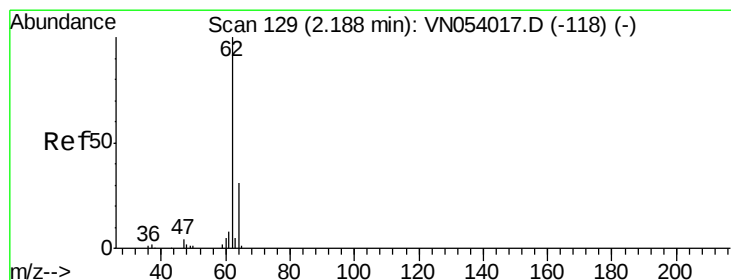
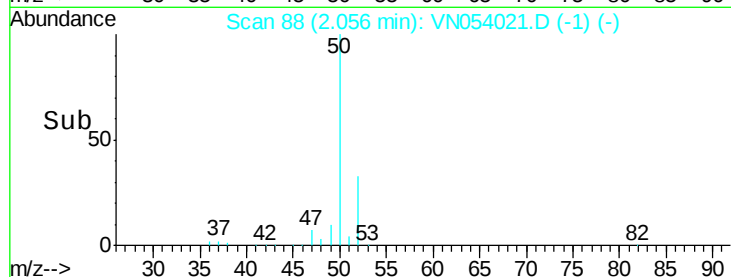
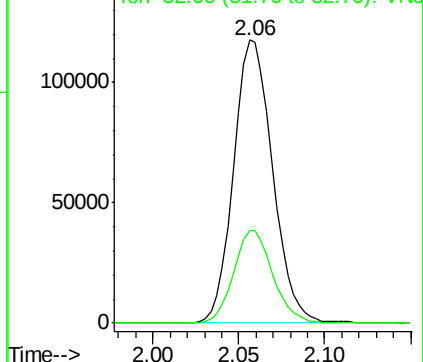
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Abundance Ion 50.00 (49.70 to 50.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#4

Vinyl Chloride

Concen: 20.446 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN054021.D

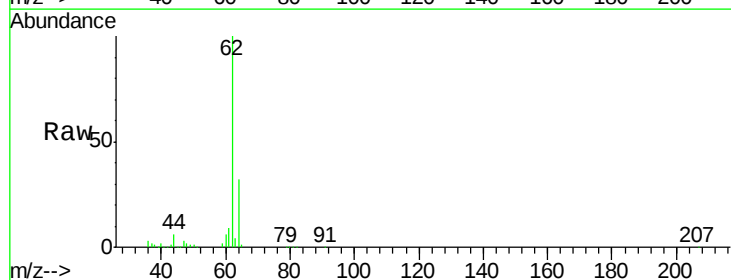
Acq: 1 Mar 2019 11:23

Tgt Ion: 62 Resp: 182261

Ion Ratio Lower Upper

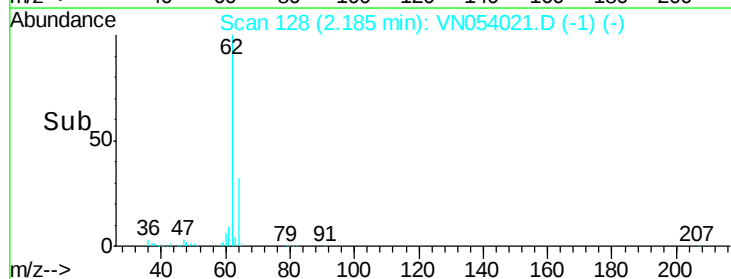
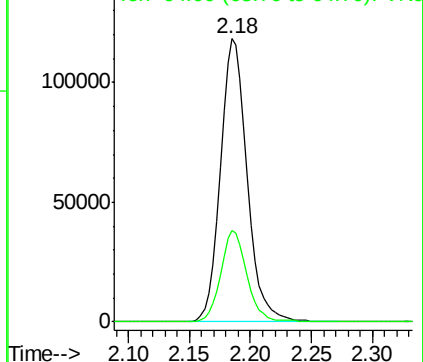
62 100

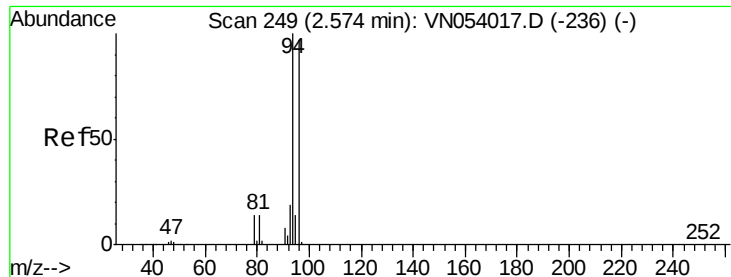
64 32.4 24.2 36.4



Abundance Ion 62.00 (61.70 to 62.70): VNO

Ion 64.00 (63.70 to 64.70): VNO





#5

Bromomethane

Concen: 22.014 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Instrument :

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ClientSampleId :

ICVVN030119

Tot Ion: 94 Resp: 120717

Ion Ratio Lower Upper

94 100

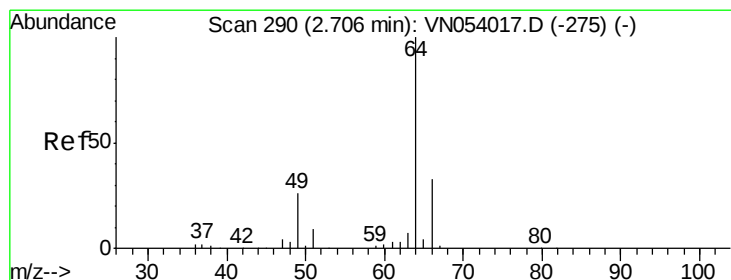
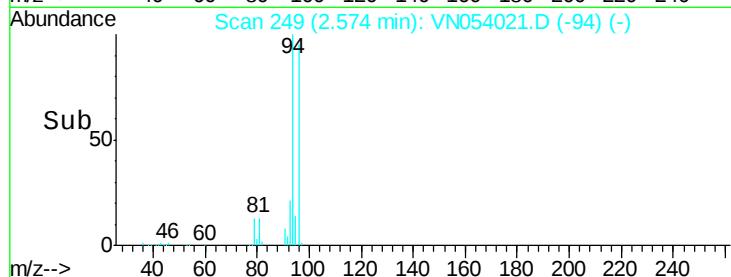
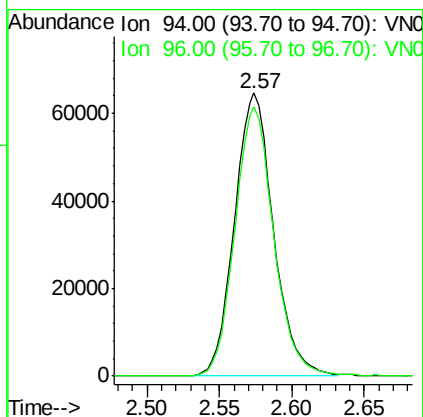
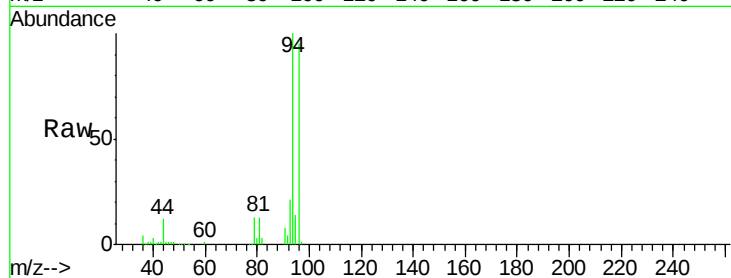
96 95.3 76.2 114.2

Manual Integrations

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3/6/2019 10:23:34 AM



#6

Chloroethane

Concen: 20.705 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054021.D

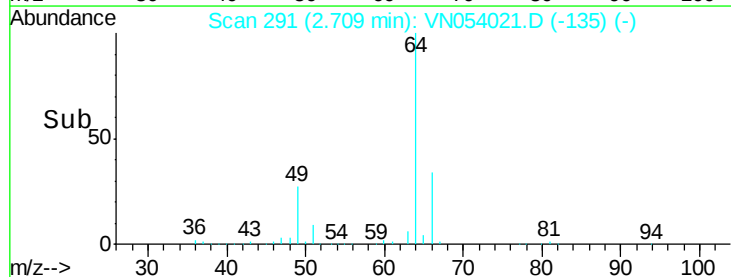
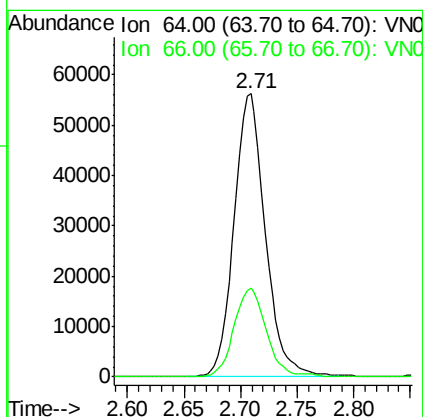
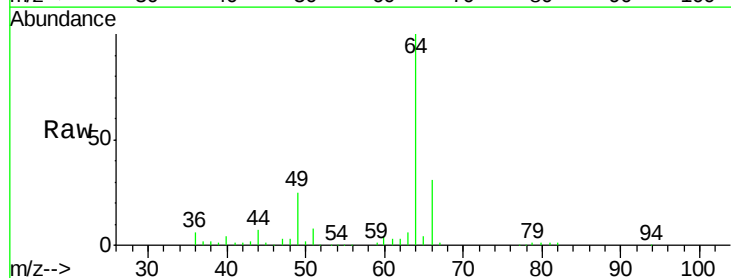
Acq: 1 Mar 2019 11:23

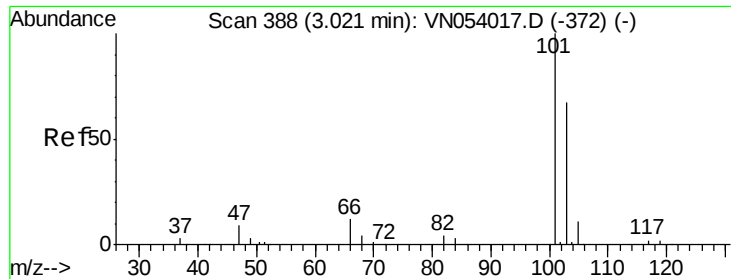
Tgt Ion: 64 Resp: 108668

Ion Ratio Lower Upper

64 100

66 31.3 25.6 38.4





#7

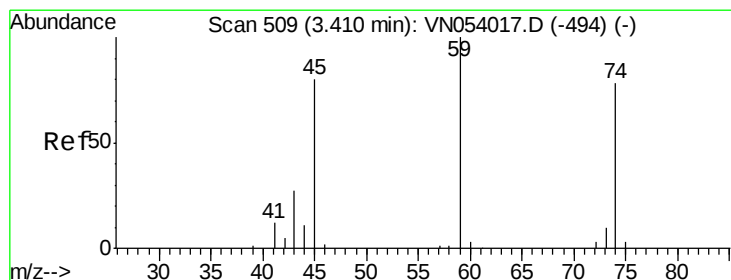
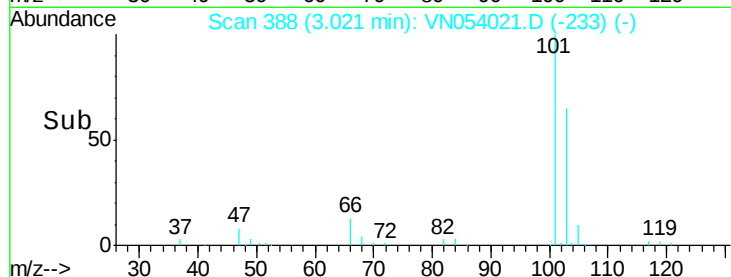
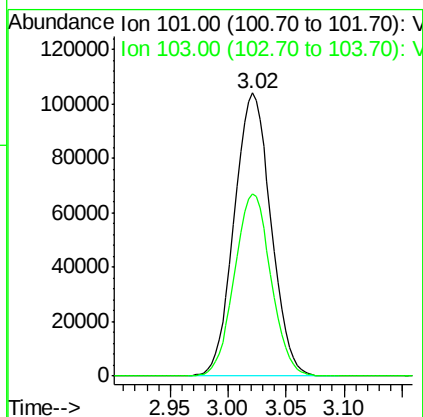
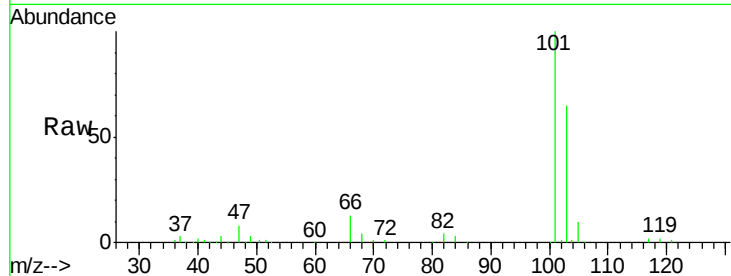
Trichlorofluoromethane
Concen: 21.158 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Instrument :
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ClientSampleId :
ICVVN030119

Tot Ion:101 Resp: 229160
Ion Ratio Lower Upper
101 100
103 64.5 52.1 78.1

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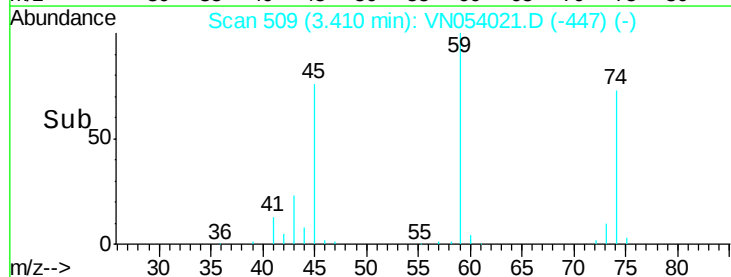
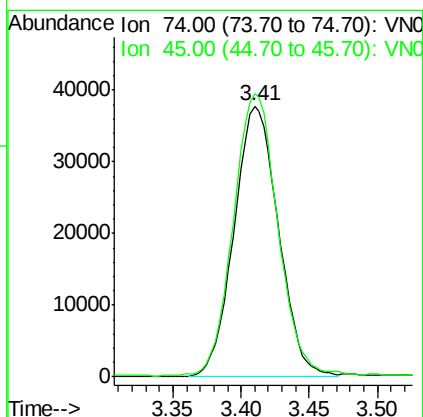
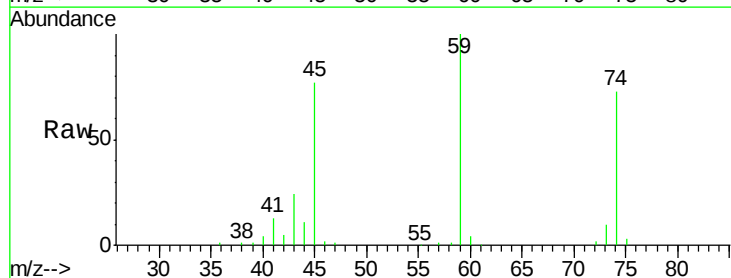
MMDadoda
3/6/2019 10:23:34 AM

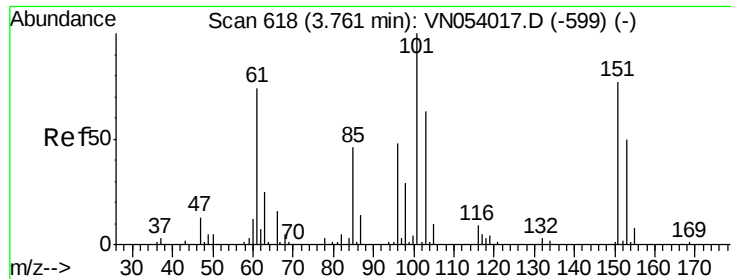


#8

Diethyl Ether
Concen: 20.955 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Tgt Ion: 74 Resp: 85356
Ion Ratio Lower Upper
74 100
45 104.2 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.835 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Instrument :

MSVOA_N

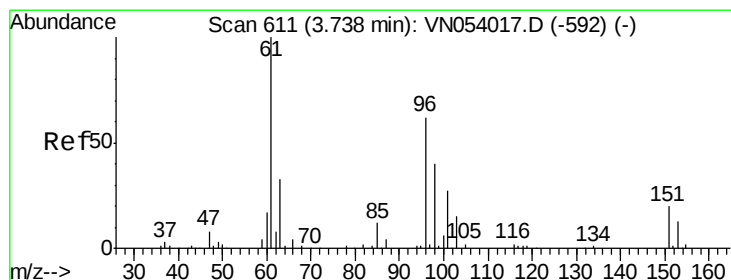
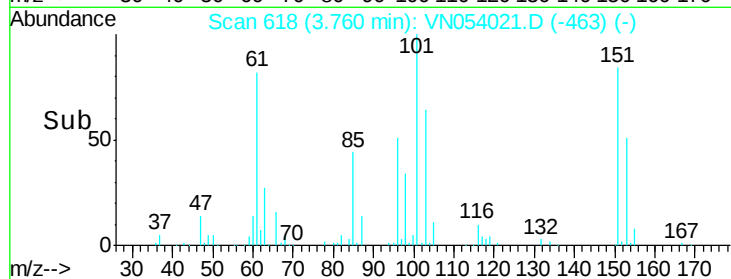
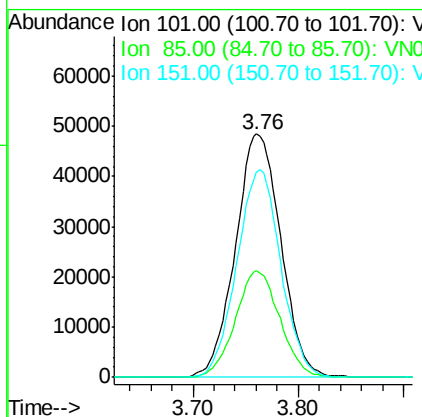
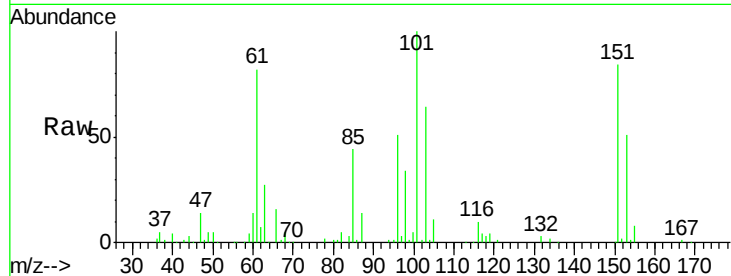
ClientSampleId :

ICVVN030119

Tot Ion:	101	Resp:	145078
Ion Ratio	Lower	Upper	
101	100		
85	42.8	0.0	82.6
151	82.6	0.0	158.4

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#10

1,1-Dichloroethene

Concen: 20.675 ug/l

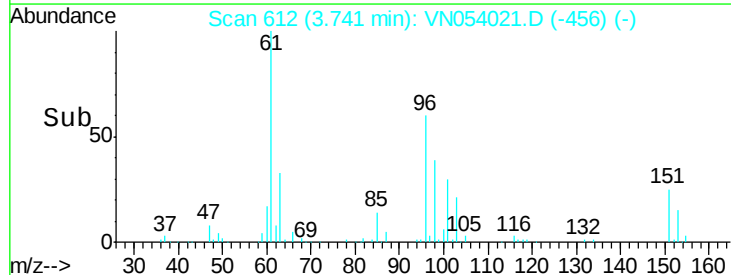
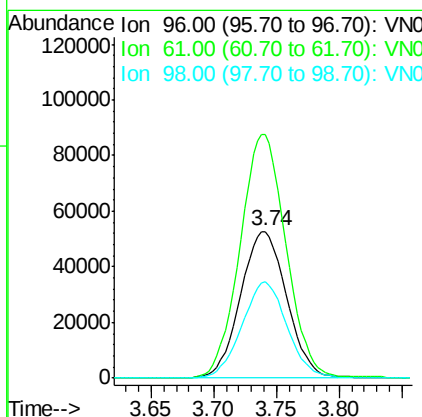
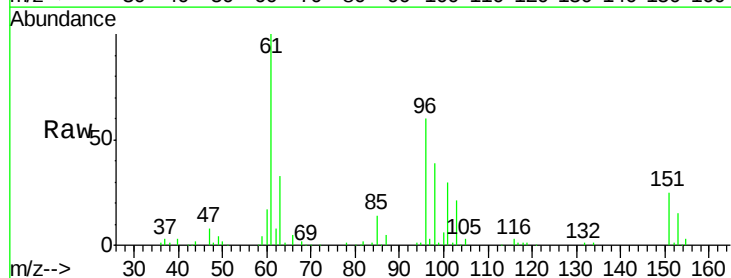
RT: 3.74 min Scan# 612

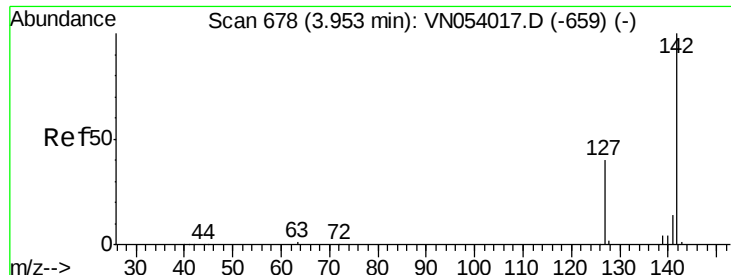
Delta R.T. 0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Tgt Ion:	96	Resp:	134889
Ion Ratio	Lower	Upper	
96	100		
61	165.8	129.4	194.2
98	65.4	50.4	75.6





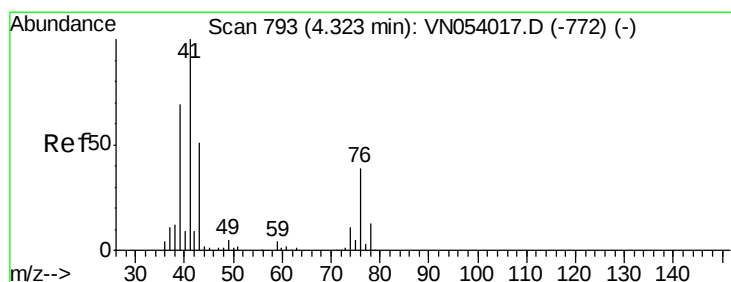
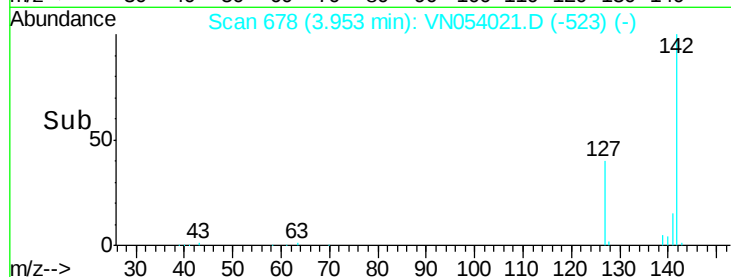
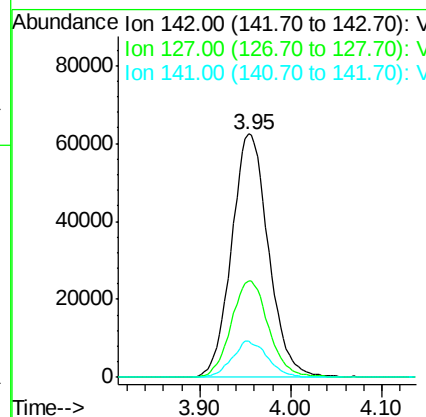
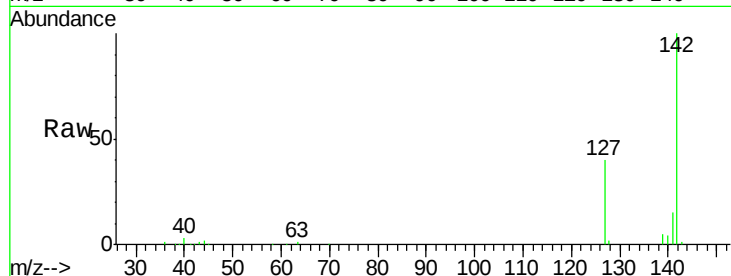
#11
Methvl Iodide
Concen: 18.170 ug/l
RT: 3.95 min Scan# 678
Delta R.T. -0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN030119

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.5	19.4	58.1
141	14.5	7.2	21.6

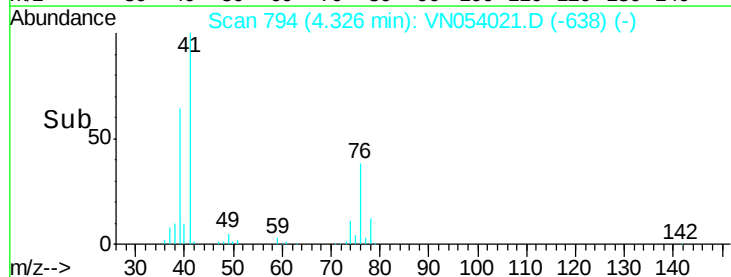
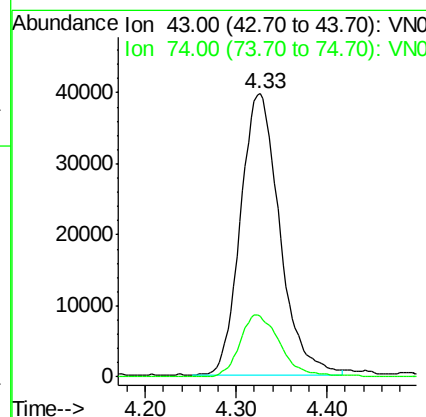
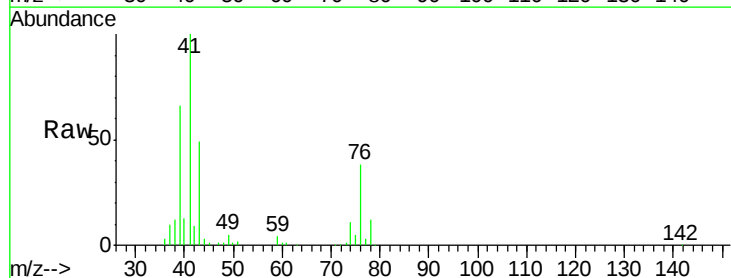
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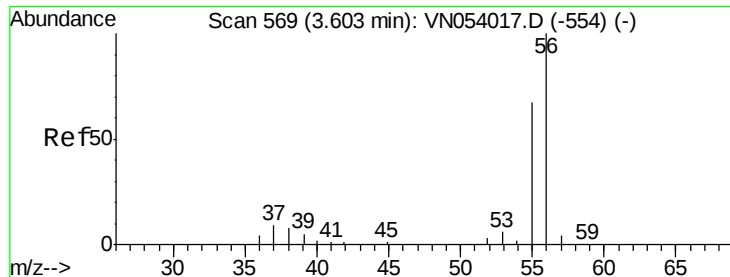
MMDadoda
3/6/2019 10:23:34 AM



#12
Methyl Acetate
Concen: 21.420 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.3	18.9	28.3





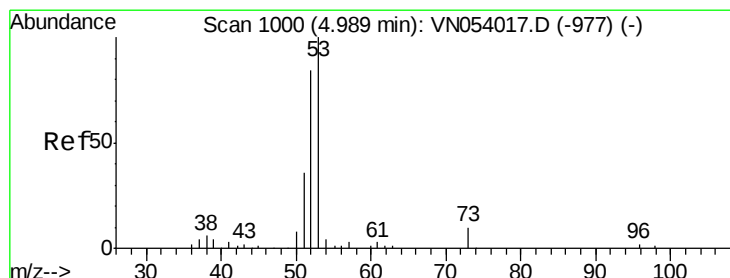
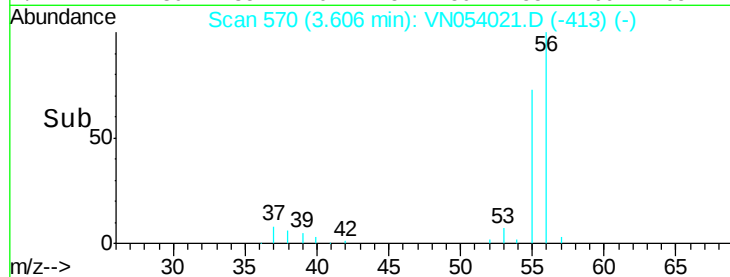
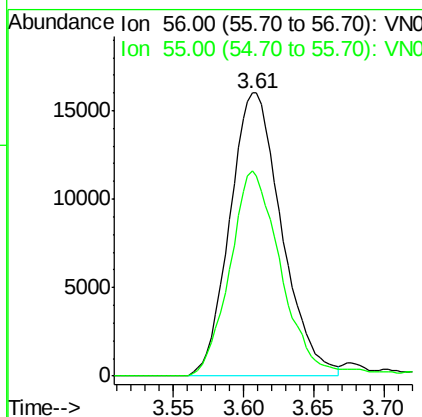
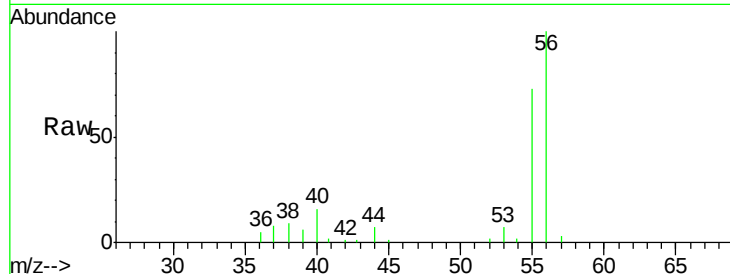
#13
 Acrolein
 Concen: 84.612 ug/l
 RT: 3.61 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: VN054021.D
 Acq: 1 Mar 2019 11:23

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN030119

Tot Ion: 56 Resp: 41022
 Ion Ratio Lower Upper
 56 100
 55 70.7 56.7 85.1

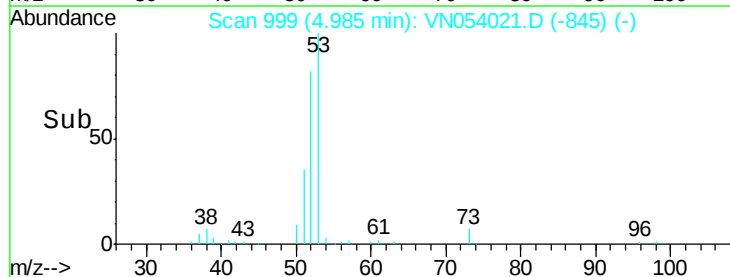
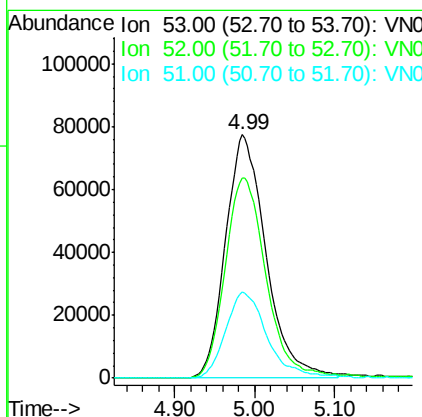
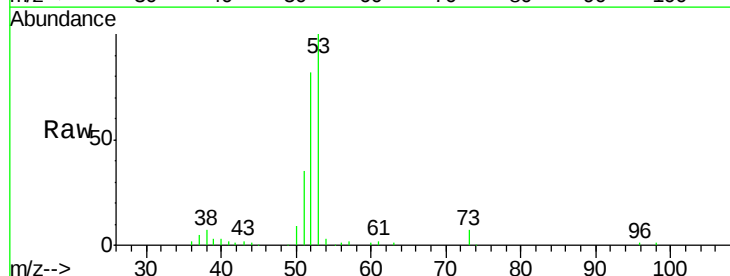
Manual Integrations
 APPROVED

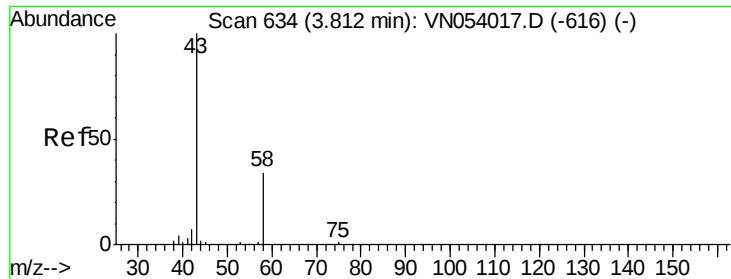
MMDadoda
 3/6/2019 10:23:34 AM



#14
 Acrylonitrile
 Concen: 101.121 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VN054021.D
 Acq: 1 Mar 2019 11:23

Tgt Ion: 53 Resp: 267306
 Ion Ratio Lower Upper
 53 100
 52 81.5 39.9 119.7
 51 36.4 17.6 52.9





#15

Acetone

Concen: 105.286 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Instrument :

MSVOA_N

ClientSampled :

ICVVN030119

Tot Ion: 58 Resp: 80207

Ion Ratio Lower Upper

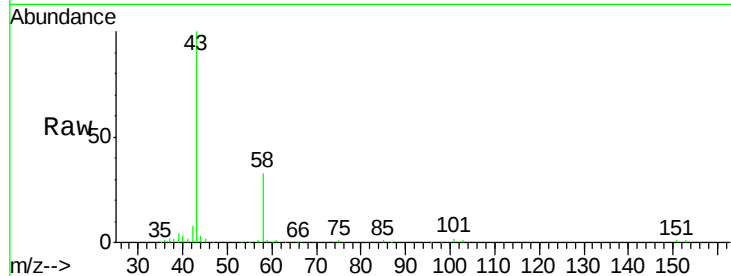
58 100

43 301.4 243.6 365.4

Manual Integrations
APPROVED

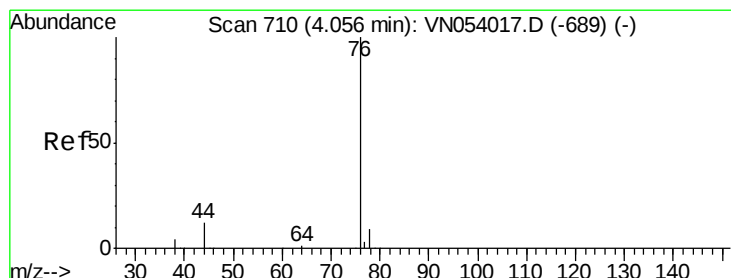
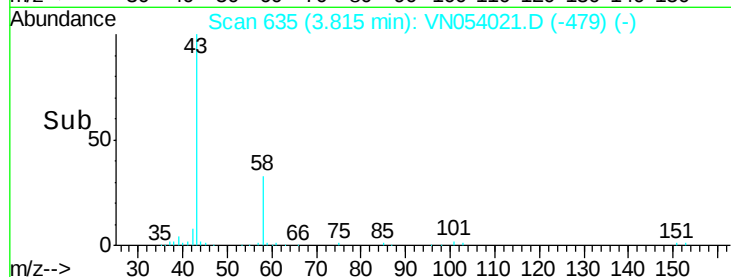
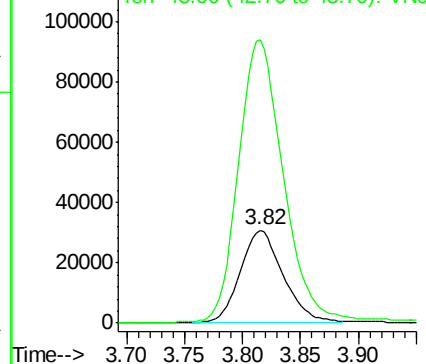
MMDadoda

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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 20.868 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN054021.D

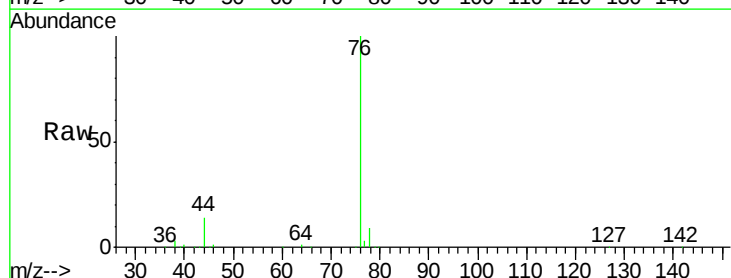
Acq: 1 Mar 2019 11:23

Tgt Ion: 76 Resp: 441732

Ion Ratio Lower Upper

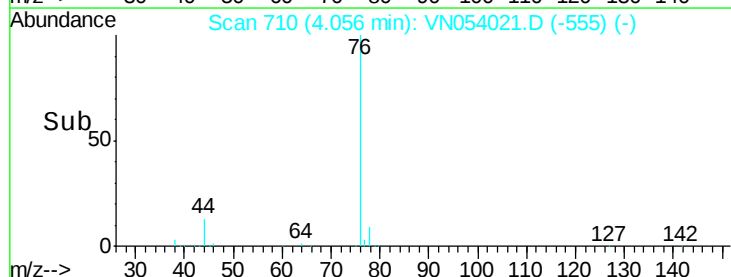
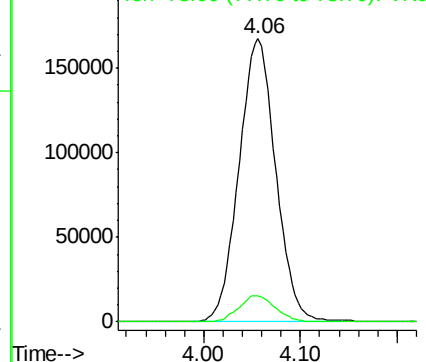
76 100

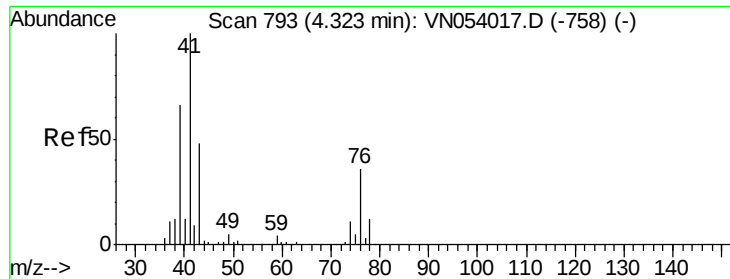
78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





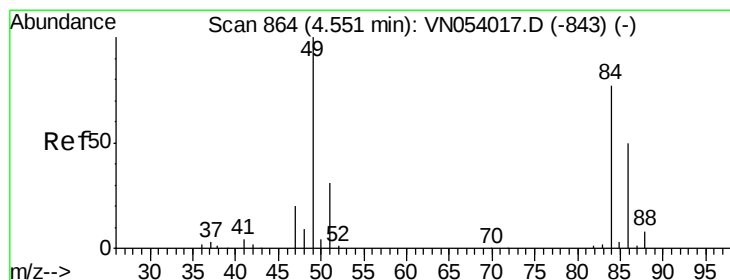
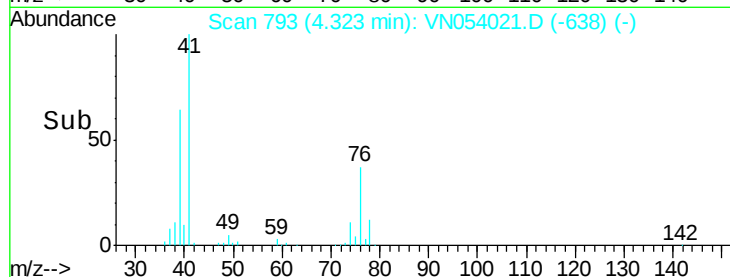
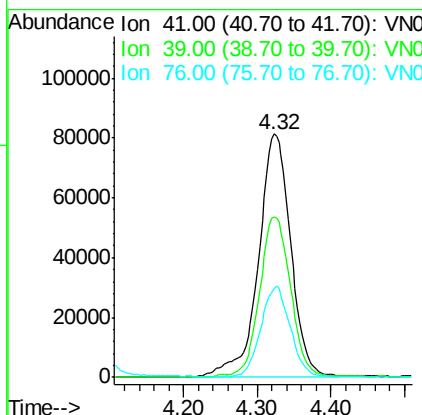
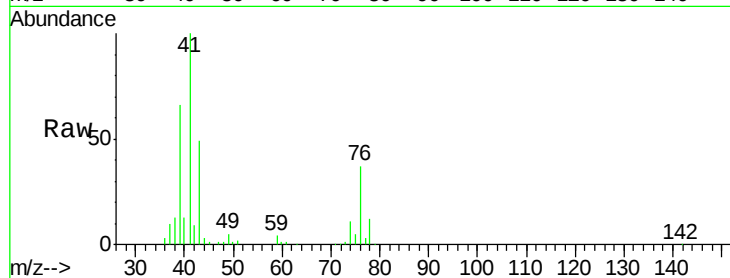
#17
Allvl chloride
Concen: 21.563 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN030119

Tot Ion	Ratio	Lower	Upper
41	100		
39	65.8	32.8	98.3
76	36.4	18.6	55.8

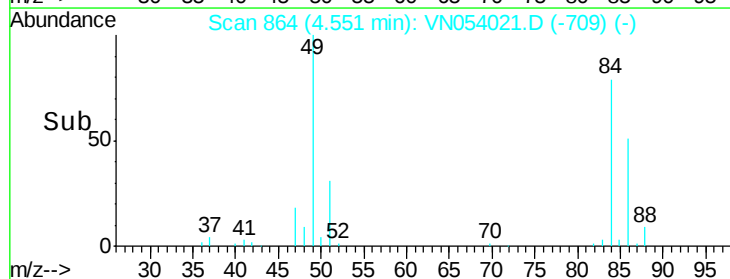
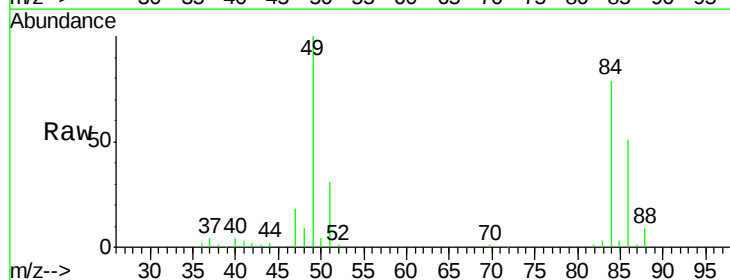
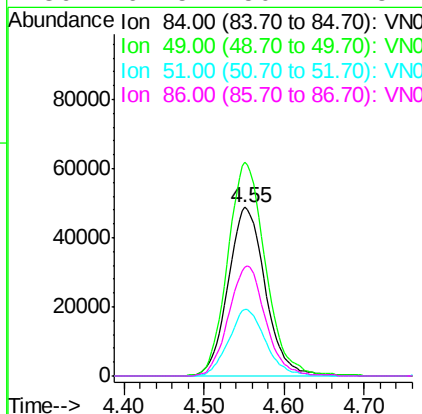
Manual Integrations
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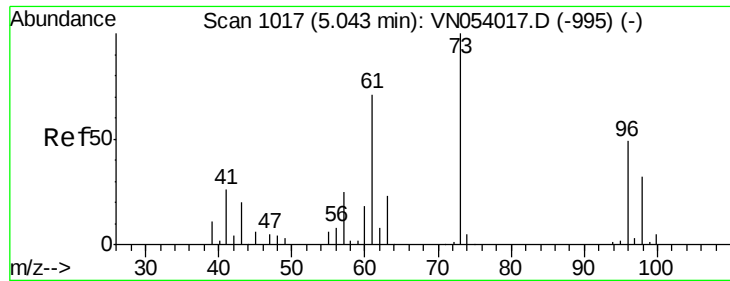
MMDadoda
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#18
Methylene Chloride
Concen: 20.470 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.2	101.4	152.0
51	39.8	31.7	47.5
86	64.5	50.1	75.1





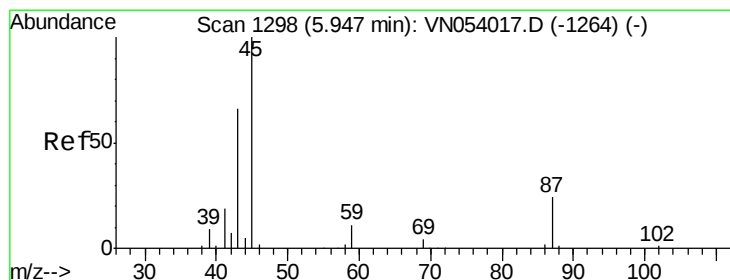
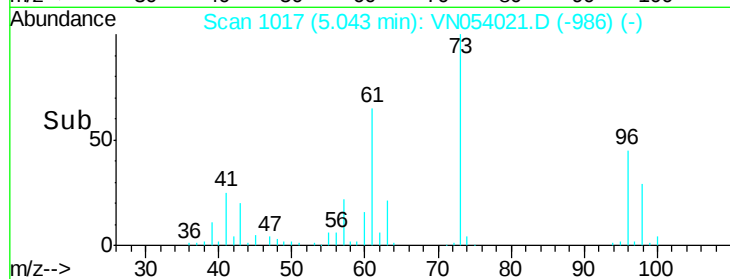
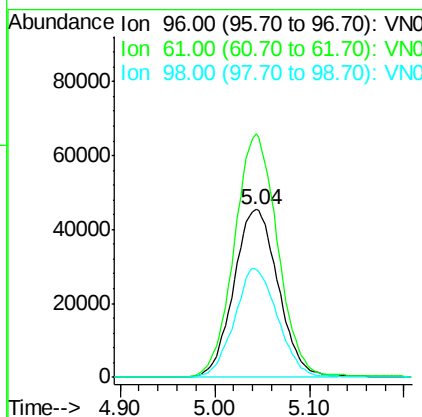
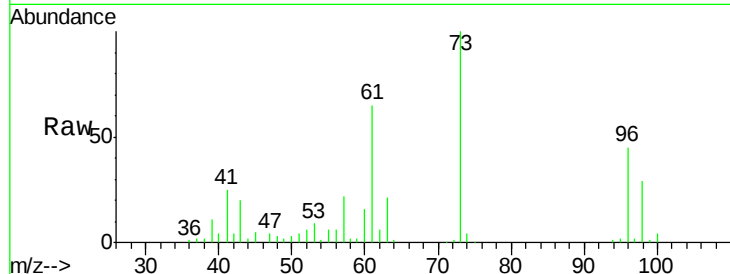
#19
trans-1,2-Dichloroethene
Concen: 20.901 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN030119

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.7	118.2	177.4
98	64.5	51.4	77.2

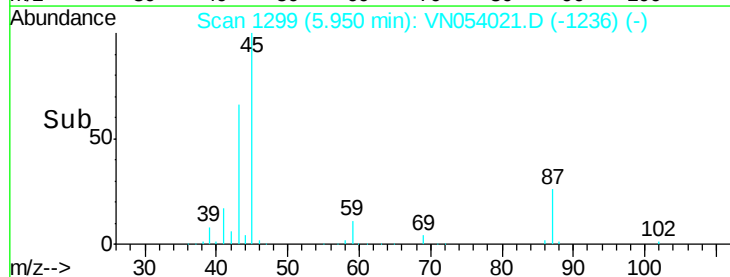
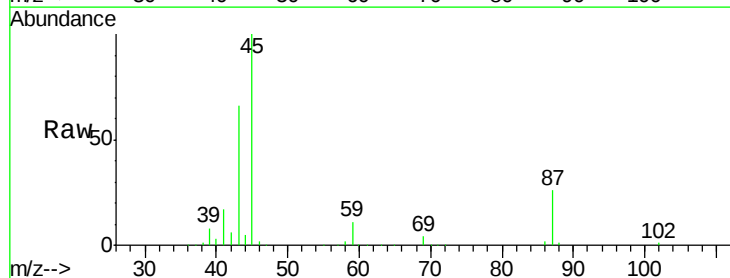
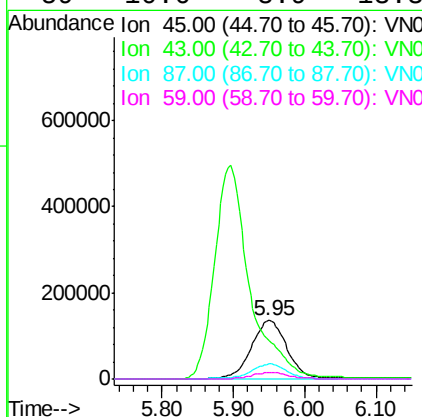
Manual Integrations
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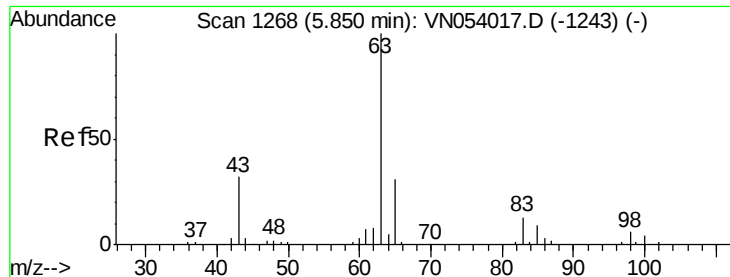
MMDadoda
3/6/2019 10:23:34 AM



#20
Diisopropyl ether
Concen: 20.630 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.2	47.8	71.8
87	24.8	21.3	31.9
59	10.6	8.9	13.3





#21

1,1-Dichloroethane

Concen: 20.434 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Instrument :

MSVOA_N

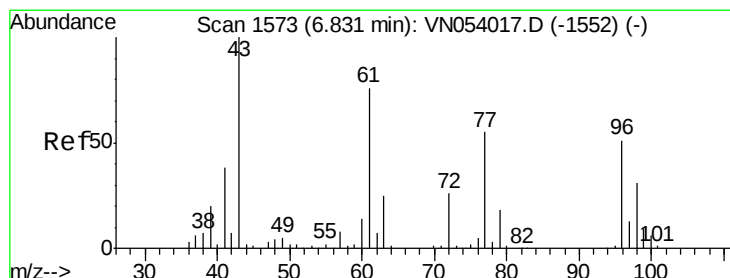
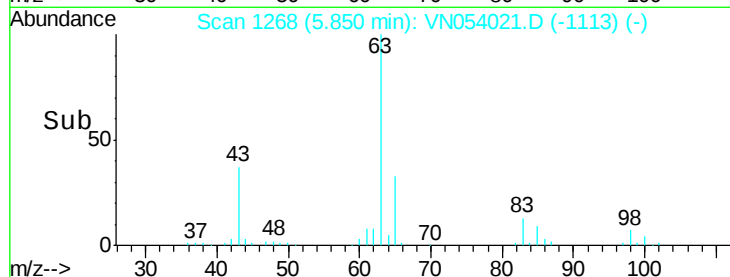
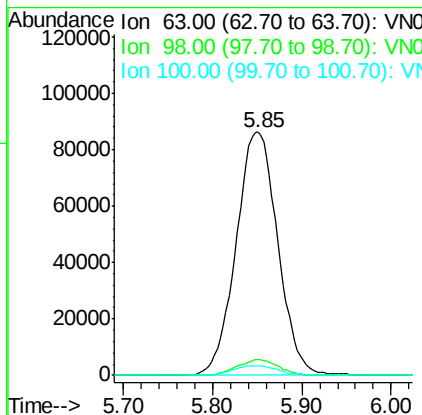
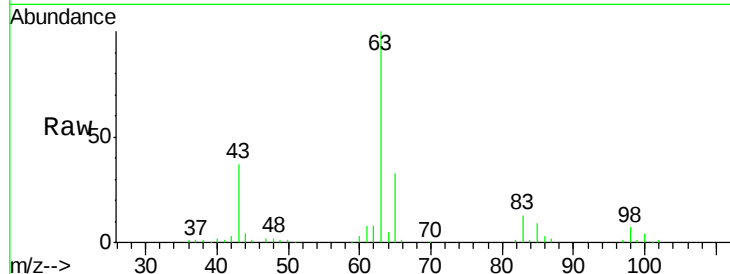
ClientSampleId :

ICVVN030119

Tot Ion:	63	Resp:	278547
Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.0	9.2
100	3.8	1.8	5.5

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 20.532 ug/l

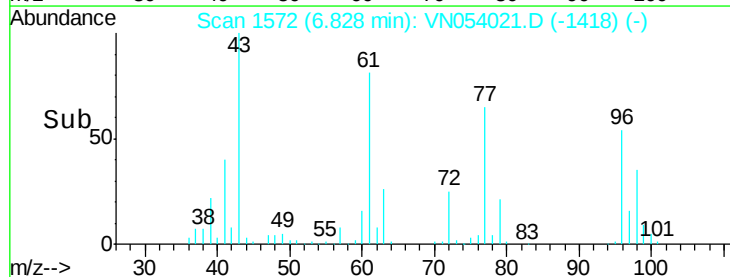
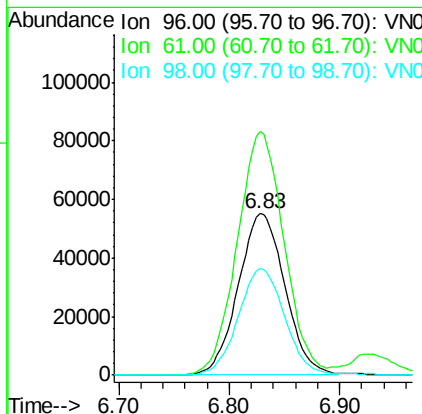
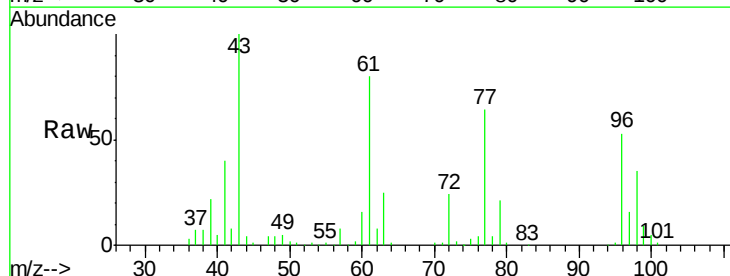
RT: 6.83 min Scan# 1572

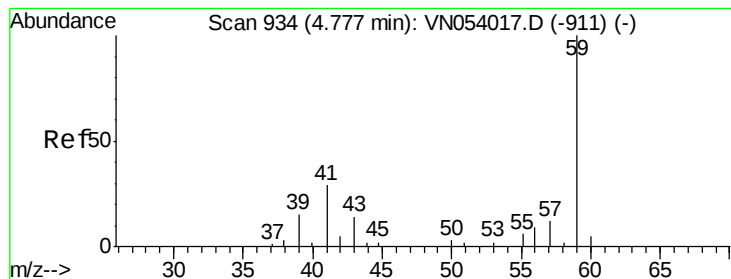
Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Tgt Ion:	96	Resp:	161779
Ion	Ratio	Lower	Upper
96	100		
61	150.9	116.7	175.1
98	65.7	50.8	76.2





#23

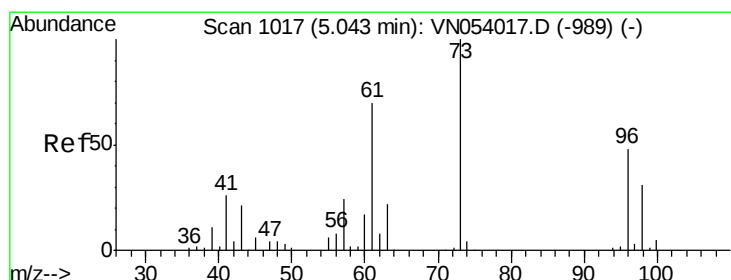
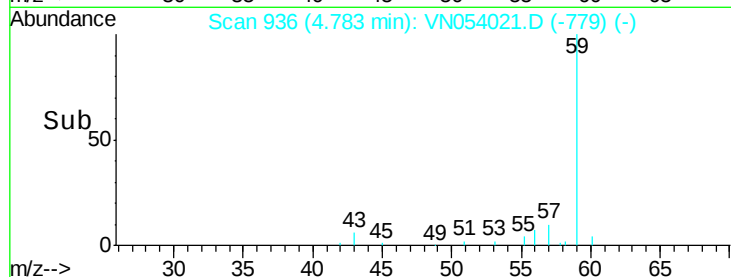
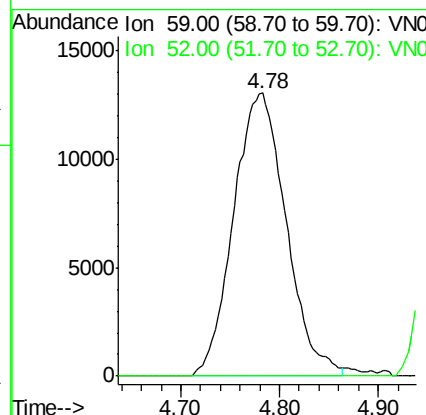
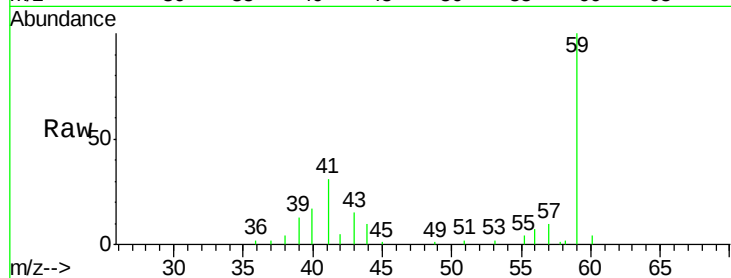
tert-Butyl Alcohol
 Concen: 102.055 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: VN054021.D
 Acq: 1 Mar 2019 11:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN030119

Tot Ion	59	52	Ratio	100	0.0	Resp:	48320	Lower	Upper
59	100								
52		0.0			0.0			0.0	

Manual Integrations
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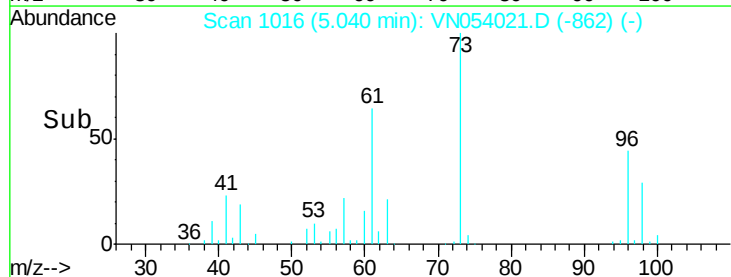
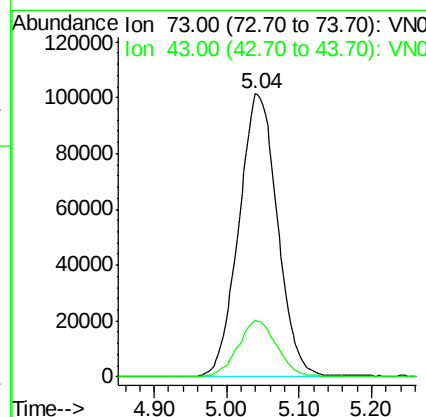
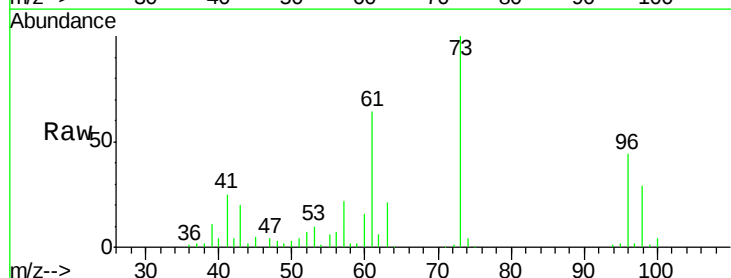
MMDadoda
 3/6/2019 10:23:34 AM

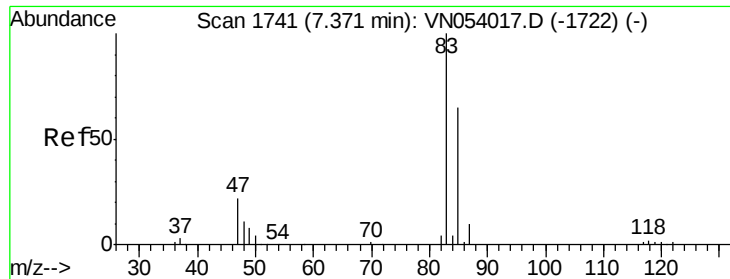


#24

Methyl tert-Butyl Ether
 Concen: 21.324 ug/l
 RT: 5.04 min Scan# 1016
 Delta R.T. -0.00 min
 Lab File: VN054021.D
 Acq: 1 Mar 2019 11:23

Tgt Ion	73	43	Ratio	100	19.7	Resp:	376619	Lower	Upper
73	100								
43		19.7			15.8			23.8	





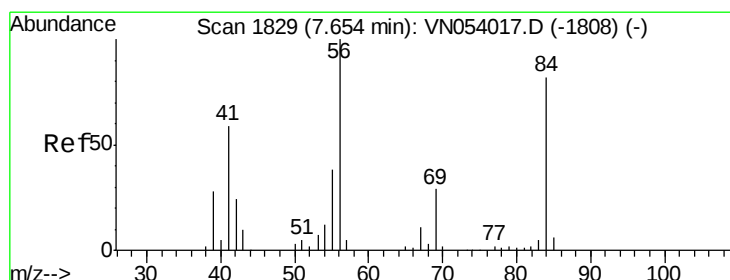
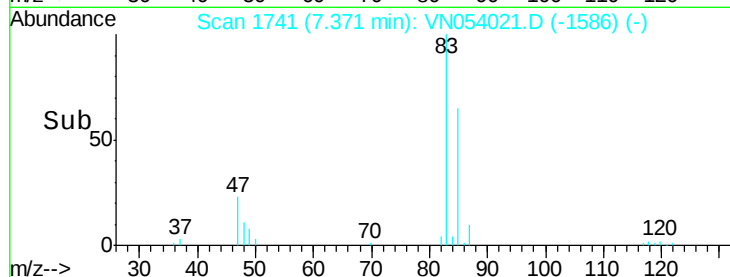
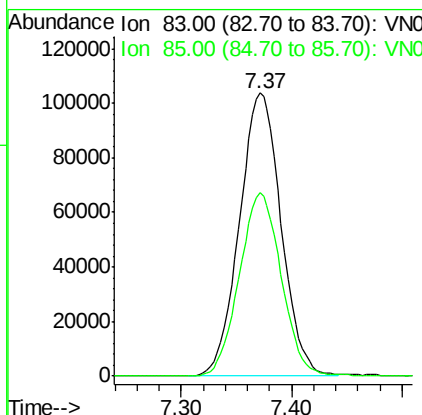
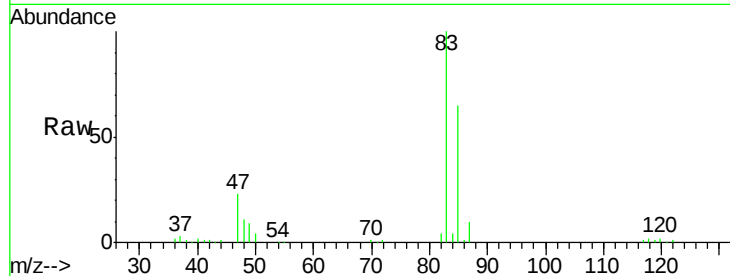
#25
Chloroform
Concen: 20.623 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN030119

Tot Ion: 83 Resp: 271242
Ion Ratio Lower Upper
83 100
85 64.7 51.7 77.5

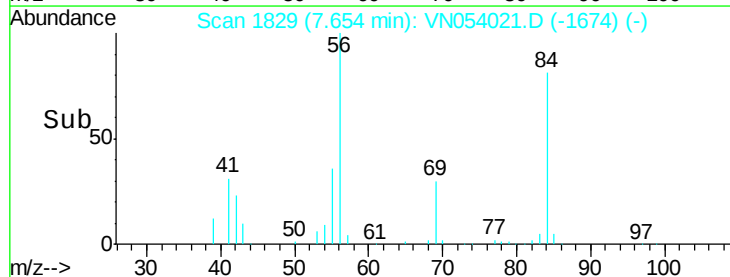
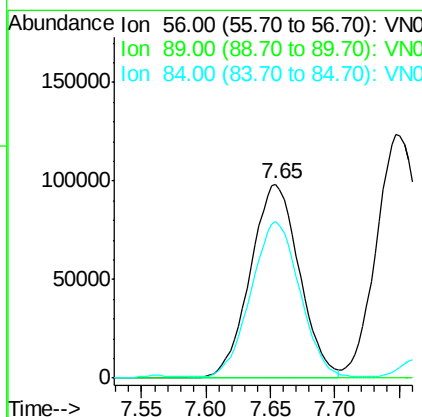
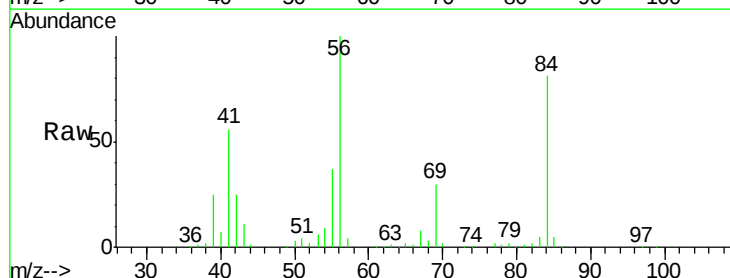
Manual Integrations
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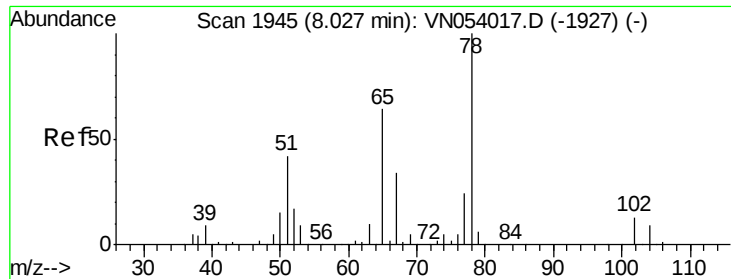
MMDadoda
3/6/2019 10:23:34 AM



#26
Cyclohexane
Concen: 20.990 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Tgt Ion: 56 Resp: 260394
Ion Ratio Lower Upper
56 100
89 0.0 0.5 0.7#
84 79.6 66.2 99.2





#27

1,2-Dichloroethane-d4

Concen: 20.990 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

ICVFN030119

Tot Ion: 65 Resp: 251304

Ion Ratio Lower Upper

65 100

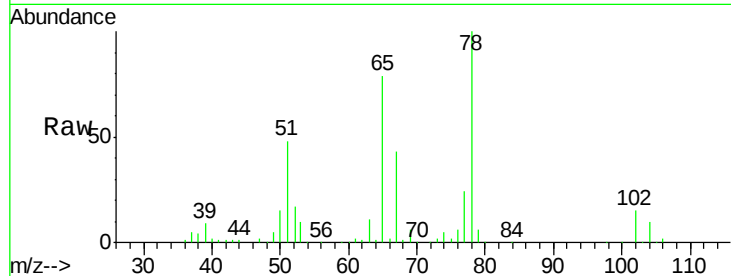
67 53.5 44.6 66.8

Manual Integrations

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Abundance Ion 65.00 (64.70 to 65.70): VN054021.D (-1964) (-)

Ion 67.00 (66.70 to 67.70): VN054021.D (-1964) (-)

8.02

120000

100000

80000

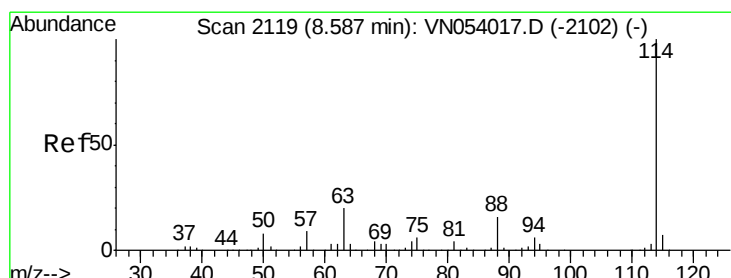
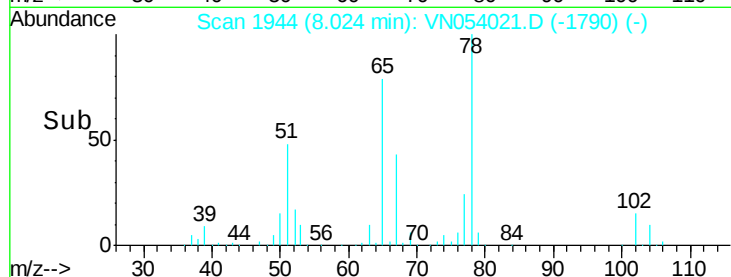
60000

40000

20000

0

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

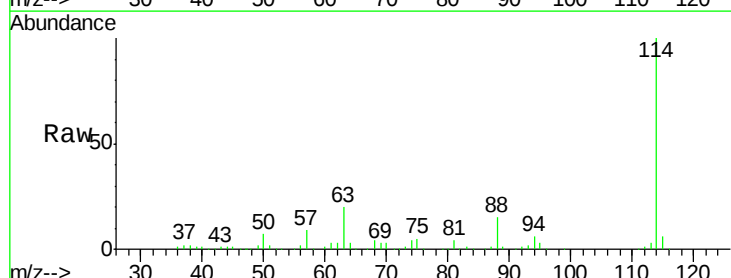
Tgt Ion: 114 Resp: 663116

Ion Ratio Lower Upper

114 100

63 20.2 16.9 25.3

88 15.1 12.8 19.2



Abundance Ion 114.00 (113.70 to 114.70): VN054021.D (-1964) (-)

Ion 63.00 (62.70 to 63.70): VN054021.D (-1964) (-)

Ion 88.00 (87.70 to 88.70): VN054021.D (-1964) (-)

8.59

400000

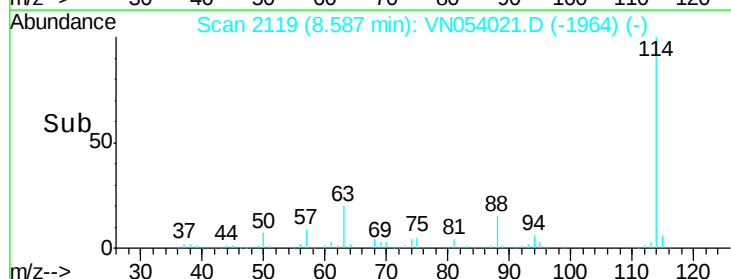
300000

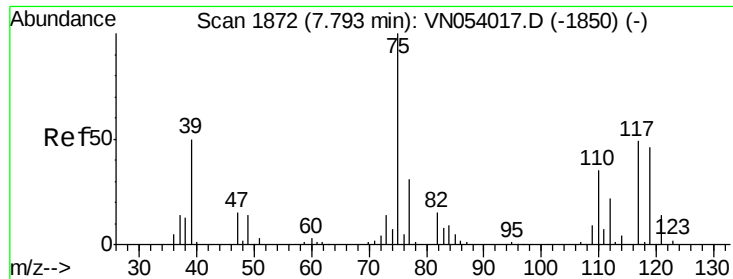
200000

100000

0

Time-->





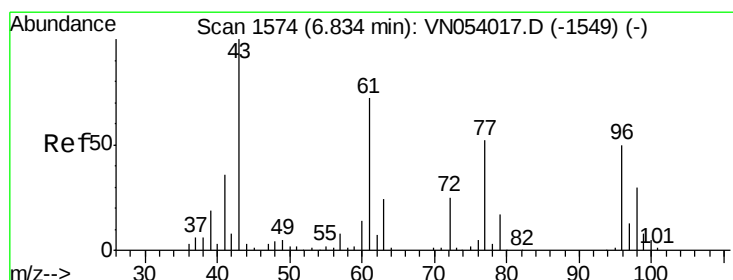
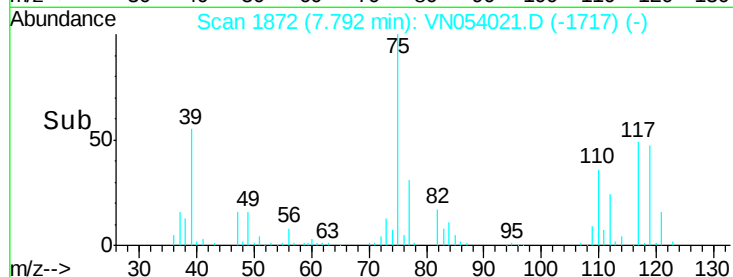
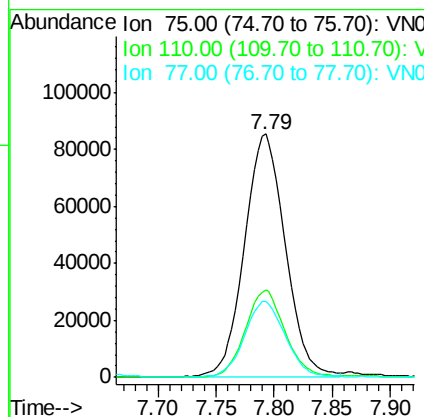
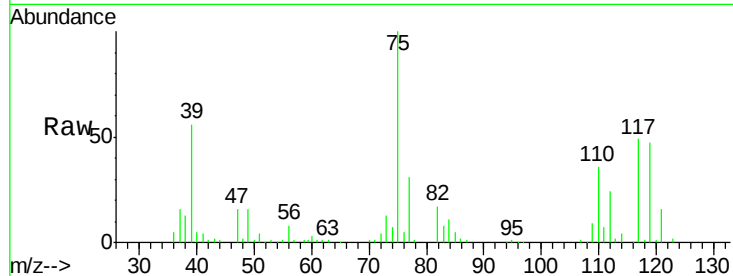
#29
 1,1-Dichloropropene
 Concen: 20.149 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN054021.D
 Acq: 1 Mar 2019 11:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN030119

Tot Ion	Ratio	Resp	Lower	Upper
75	100	209283		
110	35.2	0.0	70.2	
77	31.5	0.0	62.6	

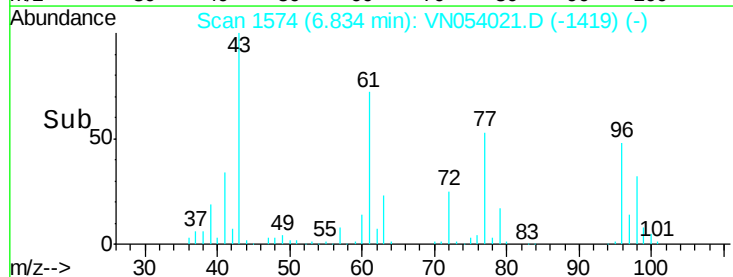
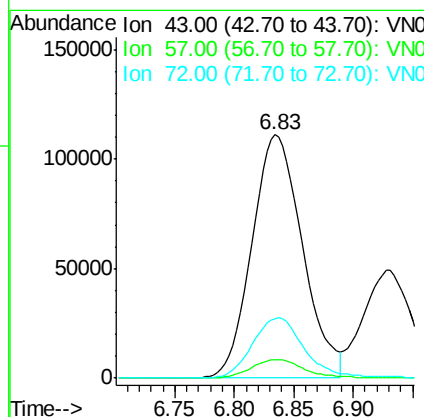
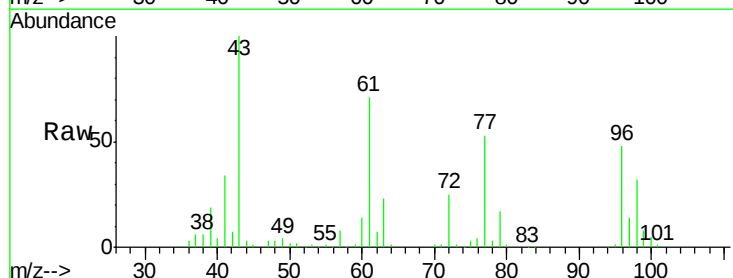
Manual Integrations
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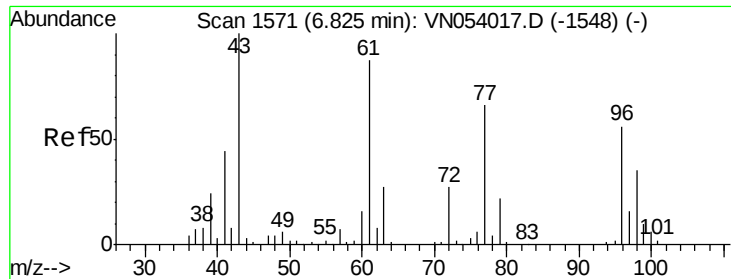
MMDadoda
 3/6/2019 10:23:34 AM



#30
 2-Butanone
 Concen: 99.264 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN054021.D
 Acq: 1 Mar 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	325541		
57	8.0	6.2	9.4	
72	25.9	21.0	31.6	





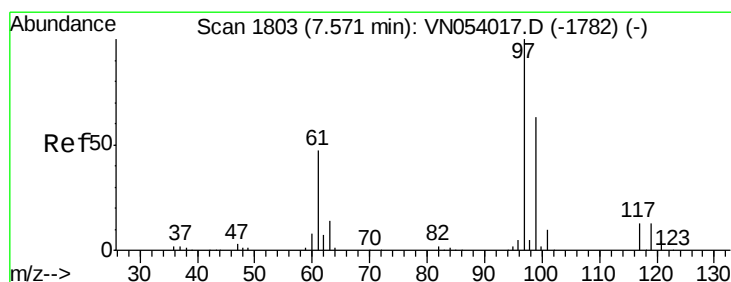
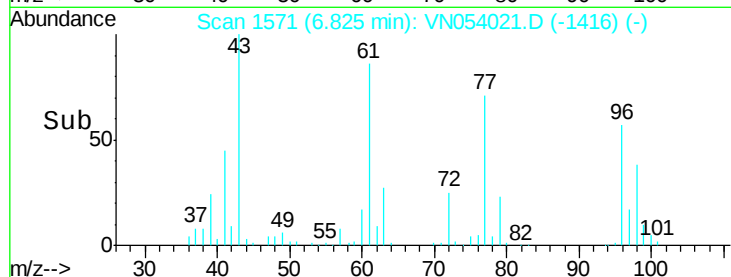
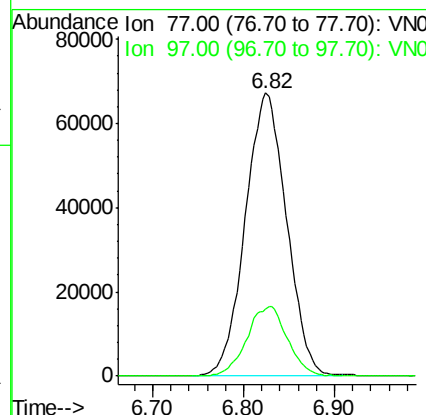
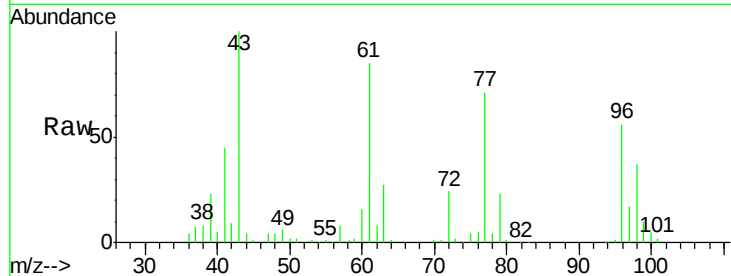
#31
 2,2-Dichloropropane
 Concen: 20.662 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN054021.D
 Acq: 1 Mar 2019 11:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN030119

Tot Ion: 77 Resp: 211623
 Ion Ratio Lower Upper
 77 100
 97 0.0 18.7 28.1#

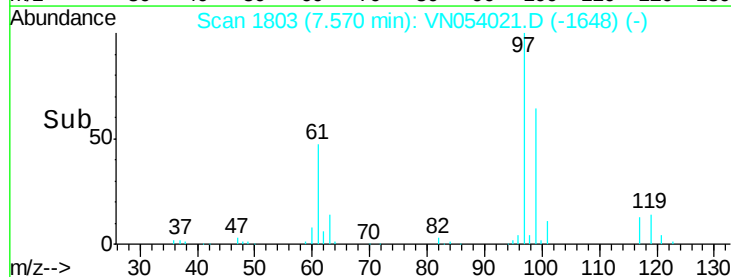
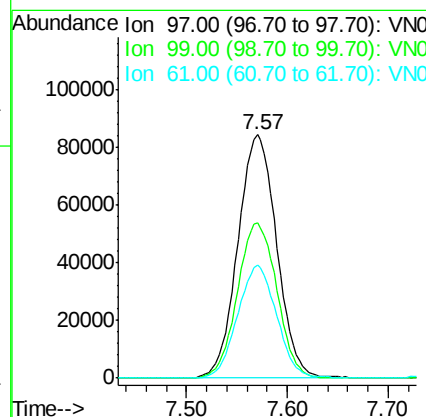
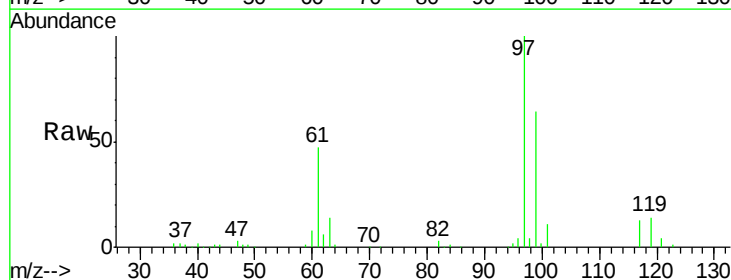
Manual Integrations
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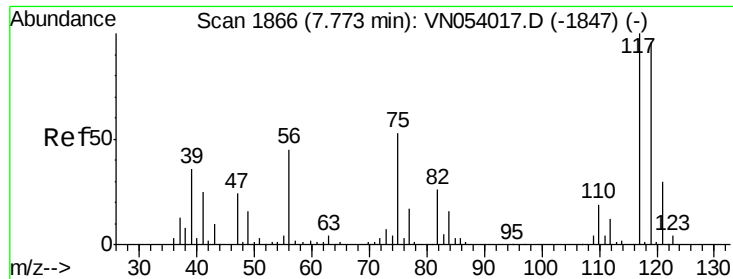
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 20.195 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN054021.D
 Acq: 1 Mar 2019 11:23

Tgt Ion: 97 Resp: 225627
 Ion Ratio Lower Upper
 97 100
 99 64.7 50.9 76.3
 61 46.5 38.1 57.1





#33

Carbon Tetrachloride

Concen: 20.243 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Instrument :

MSVOA_N

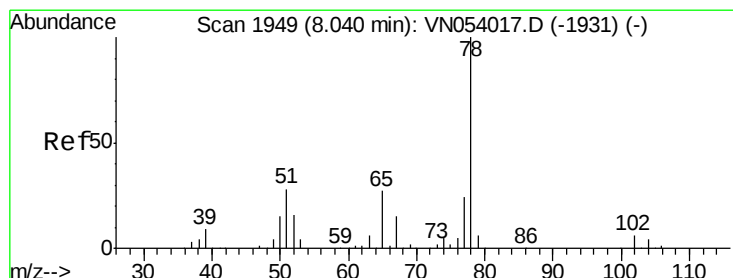
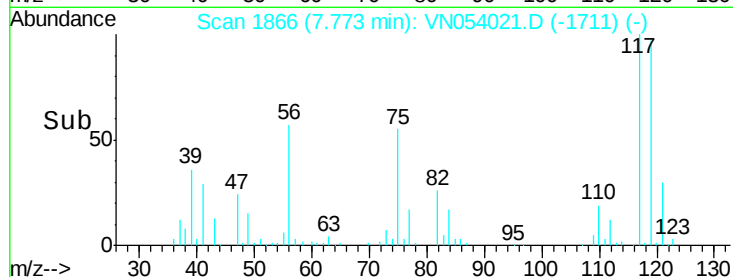
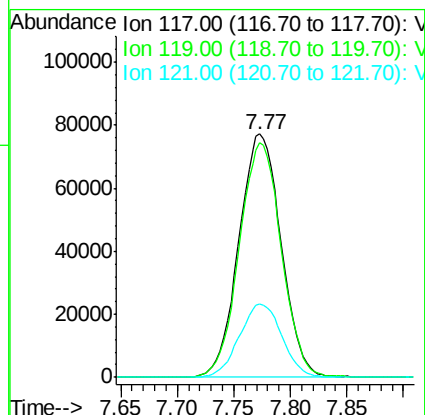
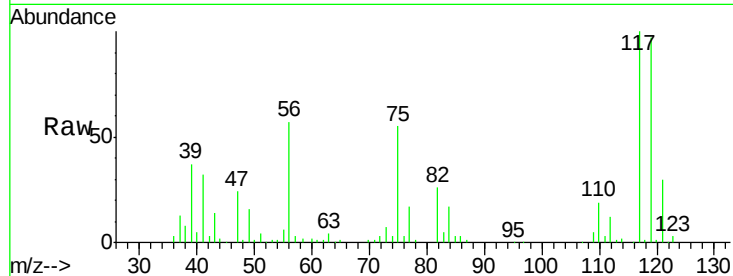
ClientSampled :

ICVVN030119

Tot Ion:	117	Resp:	200245
Ion Ratio	Lower	Upper	
117	100		
119	96.4	77.3	115.9
121	30.0	24.9	37.3

Manual Integrations
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3/6/2019 10:23:34 AM



#34

Benzene

Concen: 20.089 ug/l

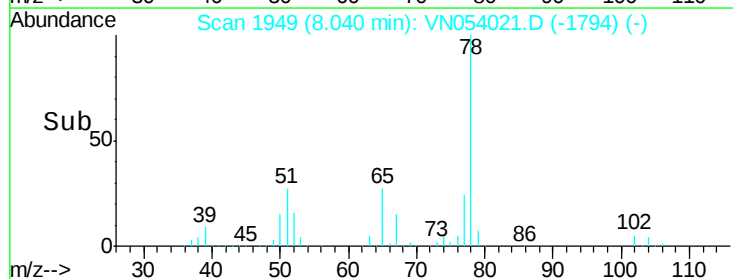
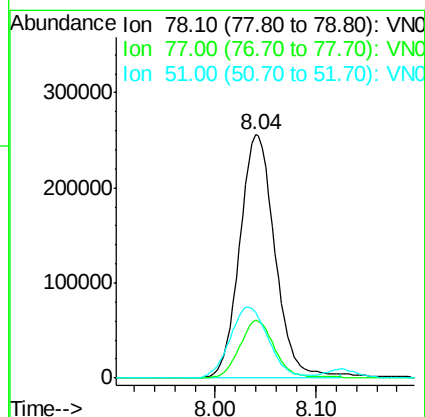
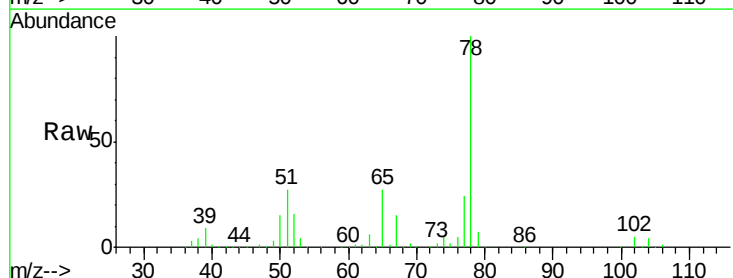
RT: 8.04 min Scan# 1949

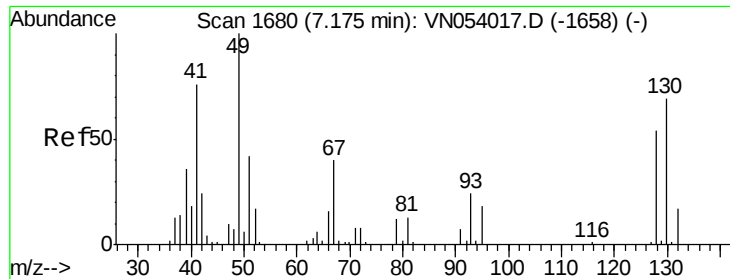
Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Tgt Ion:	78	Resp:	620121
Ion Ratio	Lower	Upper	
78	100		
77	23.7	19.0	28.6
51	27.0	20.5	30.7





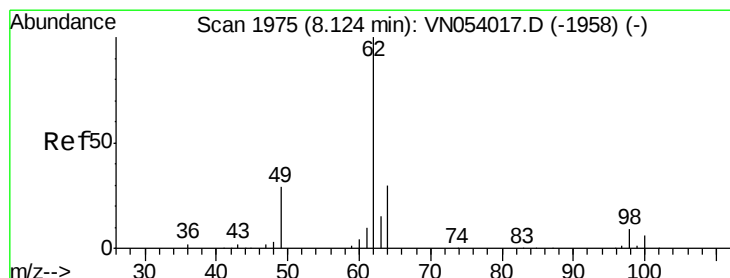
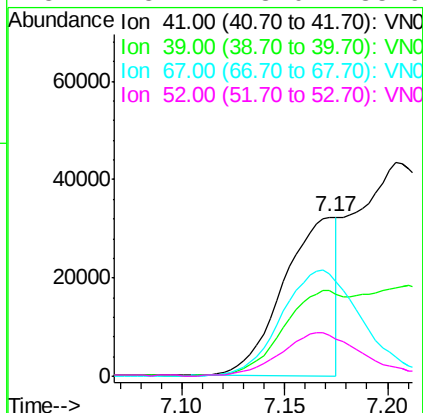
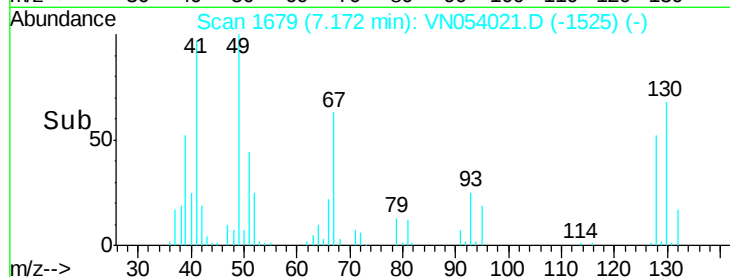
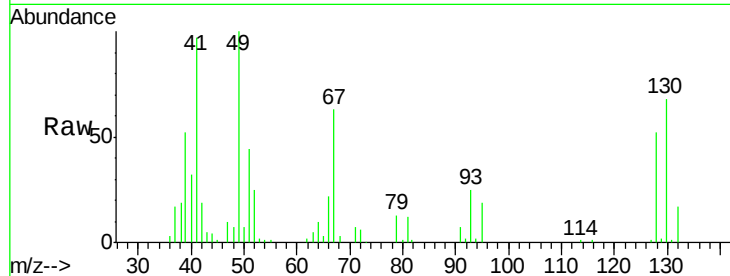
#35
Methacrylonitrile
Concen: 15.967 ug/l m
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN030119

Tot Ion	41	Resp	58551
Ion Ratio	Lower	Upper	
41	100		
39	53.7	26.6	79.7
67	64.7	32.3	96.9
52	25.7	13.0	38.9

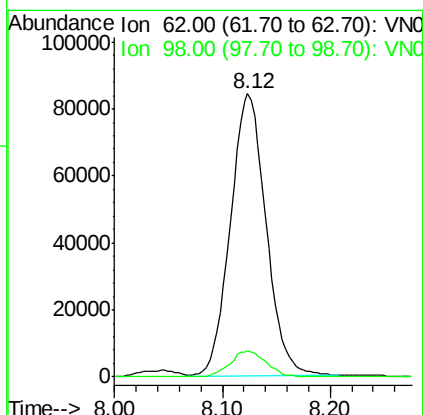
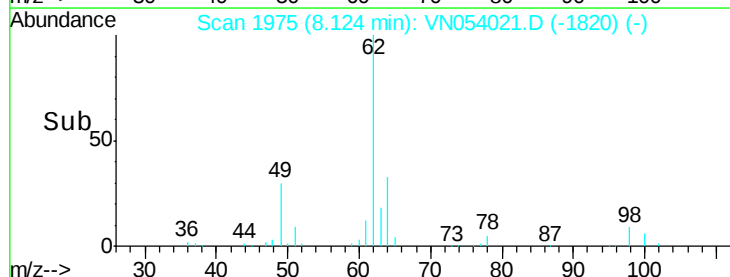
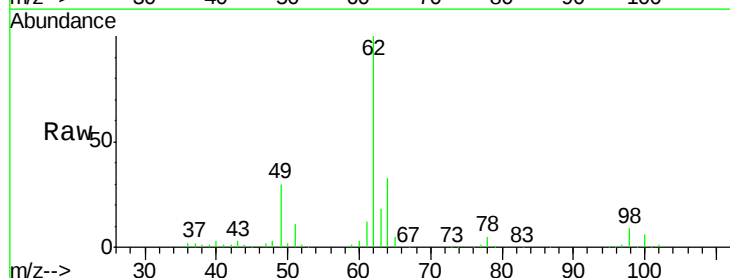
Manual Integrations
APPROVED

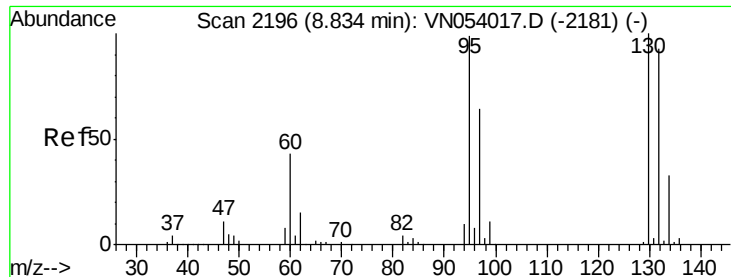
MMDadoda
3/6/2019 10:23:34 AM



#36
1,2-Dichloroethane
Concen: 19.533 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Tgt Ion	62	Resp	193621
Ion Ratio	Lower	Upper	
62	100		
98	9.3	7.4	11.2





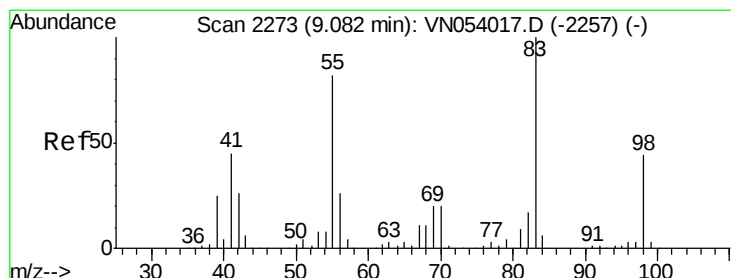
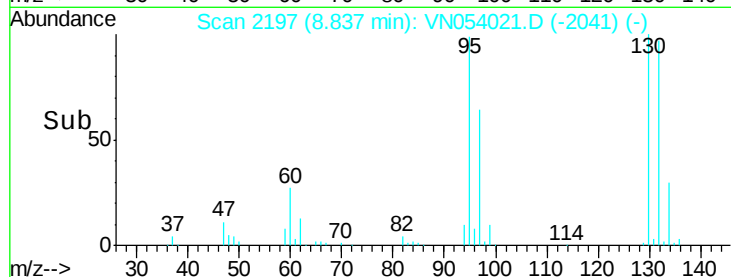
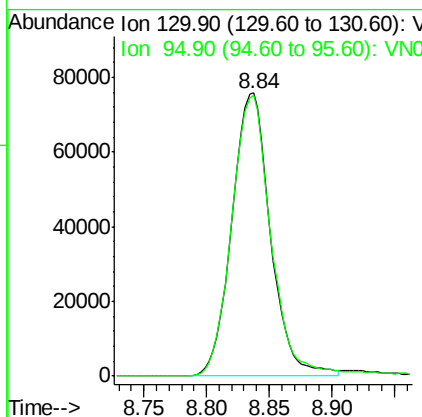
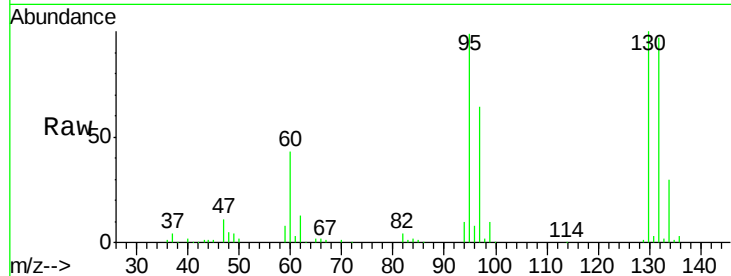
#37
 Trichloroethene
 Concen: 20.176 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN054021.D
 Acq: 1 Mar 2019 11:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN030119

Tot Ion:130 Resp: 162582
 Ion Ratio Lower Upper
 130 100
 95 99.3 81.0 121.4

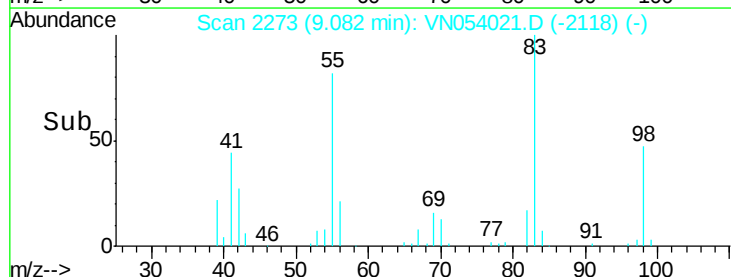
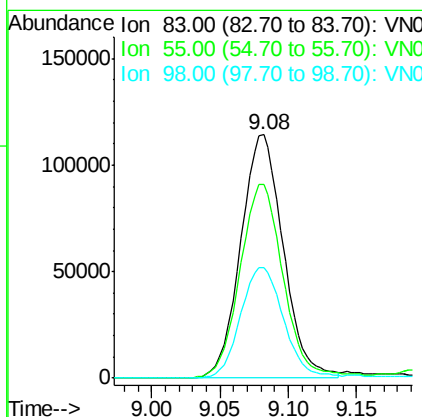
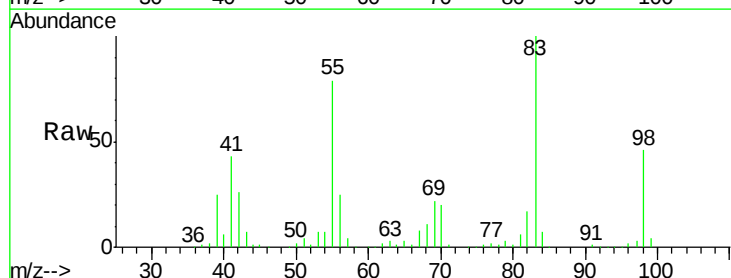
Manual Integrations
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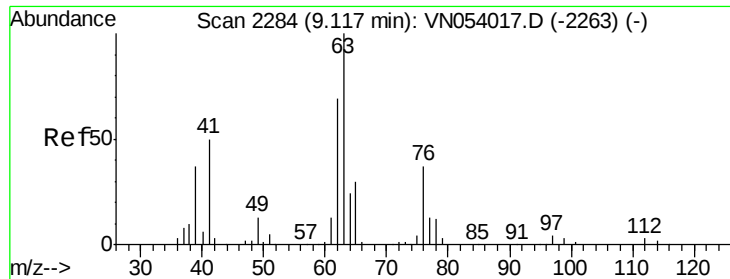
MMDadoda
 3/6/2019 10:23:34 AM



#38
 Methylcyclohexane
 Concen: 20.189 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN054021.D
 Acq: 1 Mar 2019 11:23

Tgt Ion: 83 Resp: 247505
 Ion Ratio Lower Upper
 83 100
 55 80.9 39.8 119.4
 98 46.1 22.9 68.5





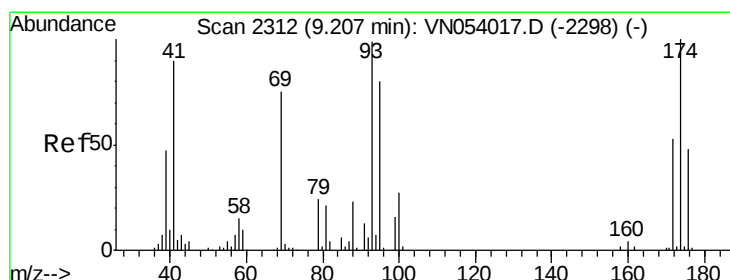
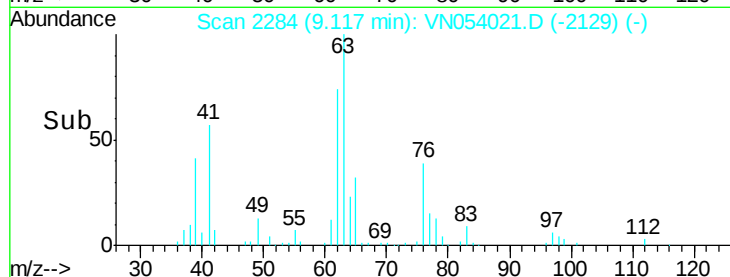
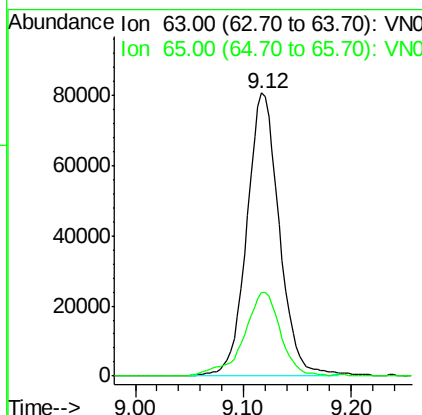
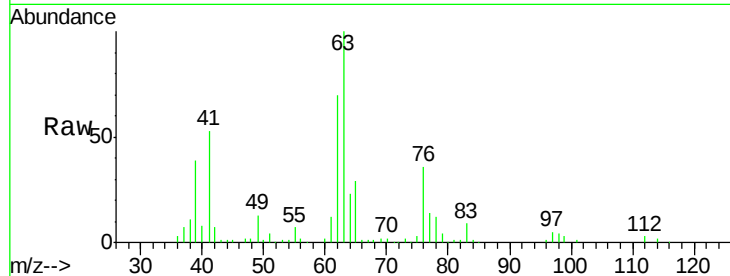
#39
 1,2-Dichloropropane
 Concen: 19.976 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054021.D
 Acq: 1 Mar 2019 11:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN030119

Tot Ion: 63 Resp: 168931
 Ion Ratio Lower Upper
 63 100
 65 29.2 23.6 35.4

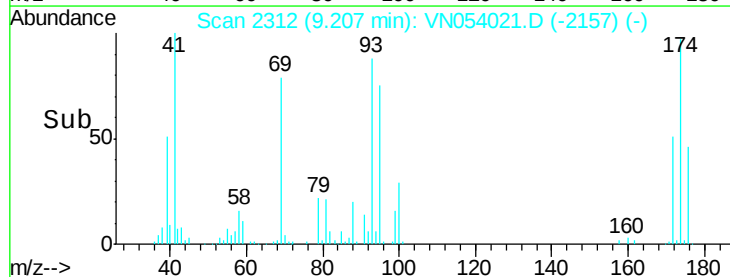
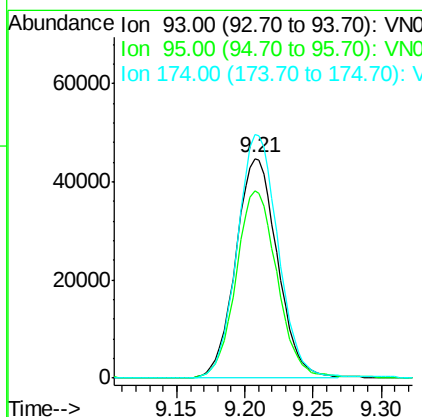
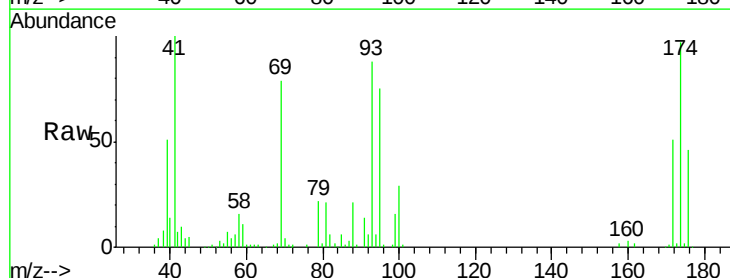
Manual Integrations
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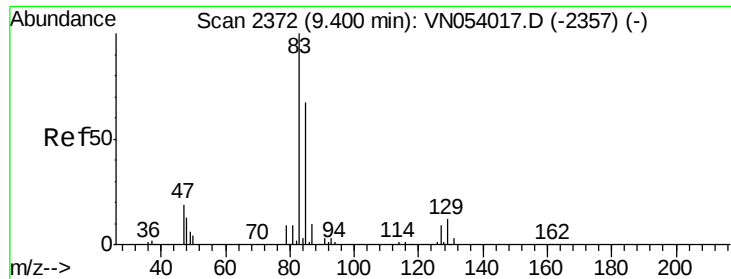
MMDadoda
 3/6/2019 10:23:34 AM



#40
 Dibromomethane
 Concen: 19.610 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054021.D
 Acq: 1 Mar 2019 11:23

Tgt Ion: 93 Resp: 95071
 Ion Ratio Lower Upper
 93 100
 95 84.2 0.0 168.4
 174 109.0 0.0 210.0





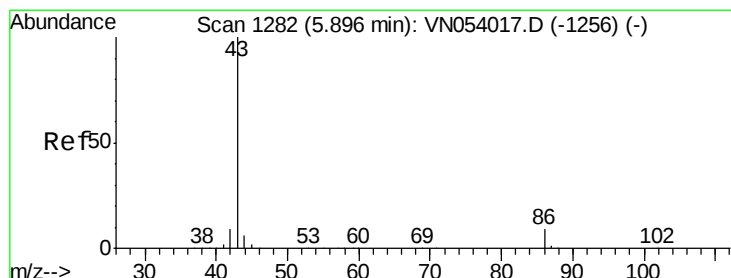
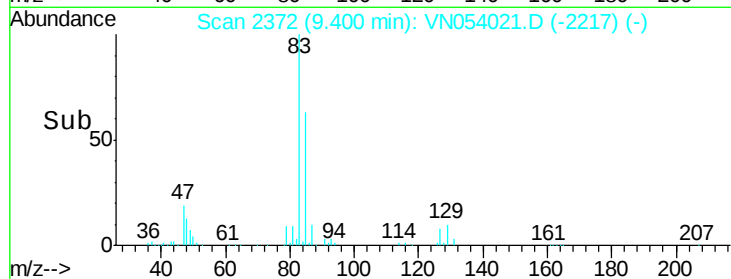
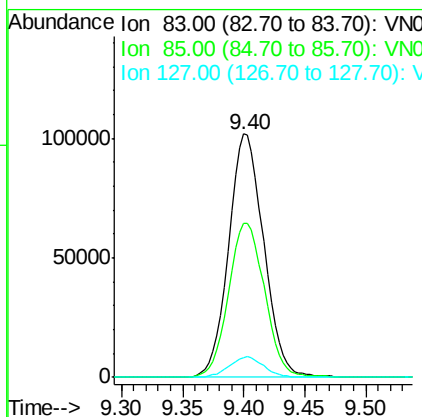
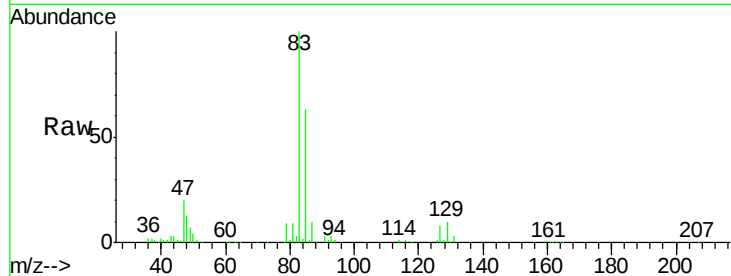
#41
Bromodichloromethane
Concen: 19.875 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN030119

Tot Ion	83	Resp	204439
Ion Ratio	100	Lower	Upper
83	100		
85	63.0	52.4	78.6
127	8.1	6.6	9.8

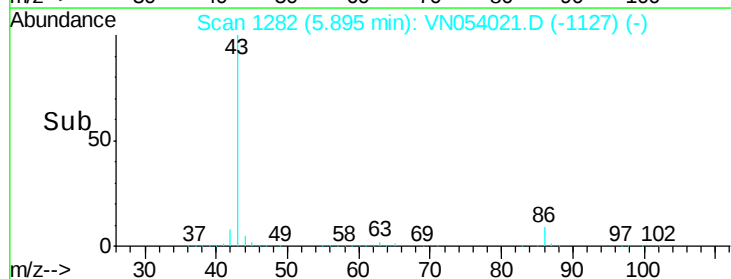
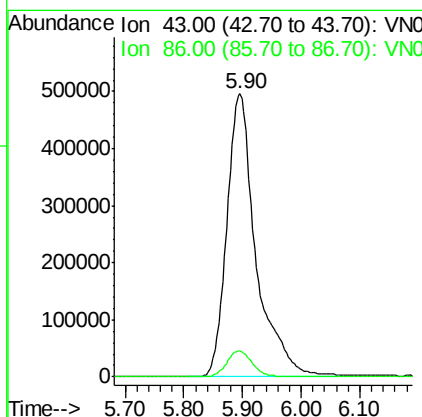
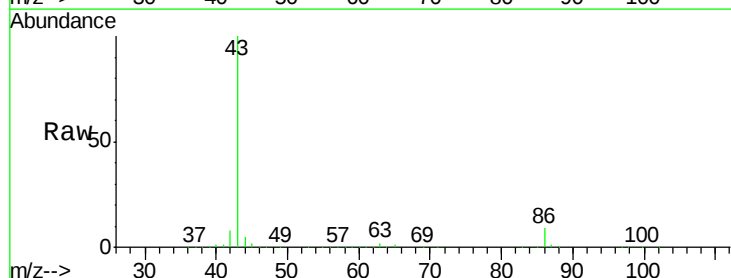
Manual Integrations
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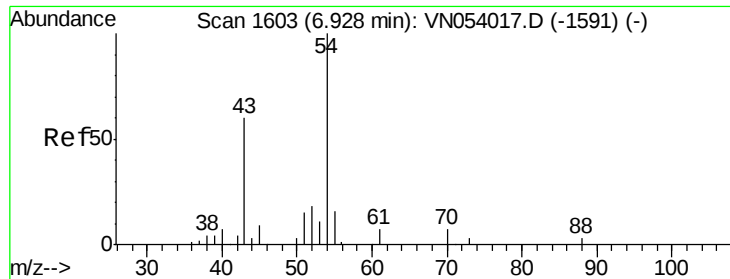
MMDadoda
3/6/2019 10:23:34 AM



#42
Vinyl Acetate
Concen: 101.230 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Tgt Ion	43	Resp	1715134
Ion Ratio	100	Lower	Upper
43	100		
86	8.1	6.5	9.7





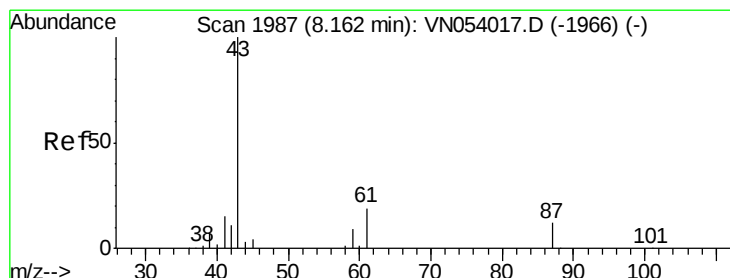
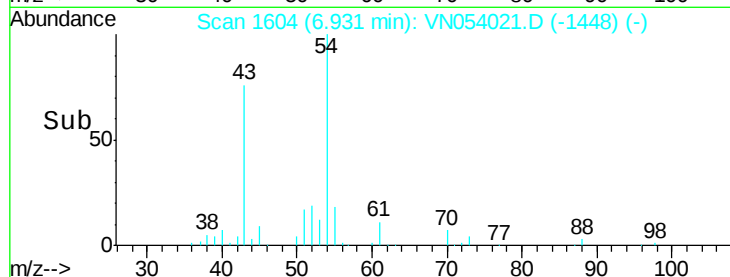
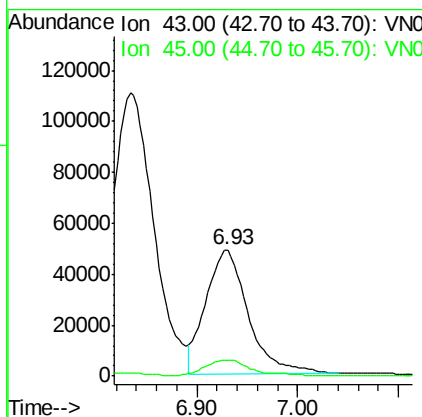
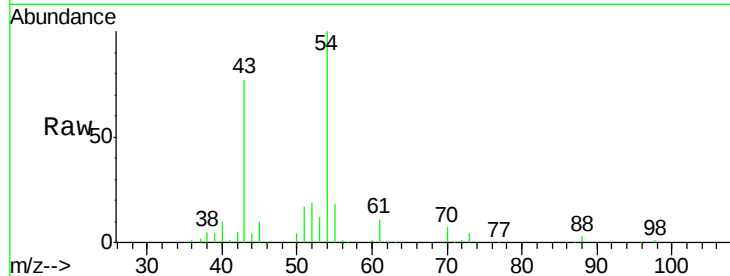
#43
Ethyl Acetate
Concen: 20.818 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN030119

Tot Ion: 43 Resp: 143004
Ion Ratio Lower Upper
43 100
45 11.5 1.0 1.6#

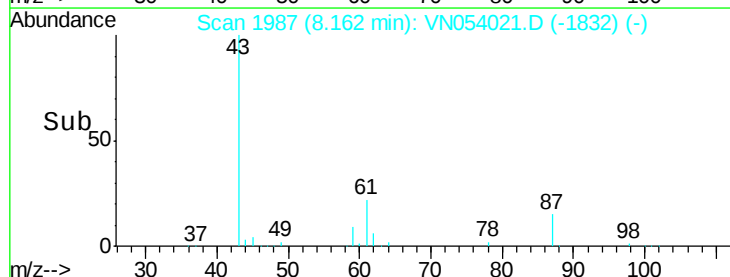
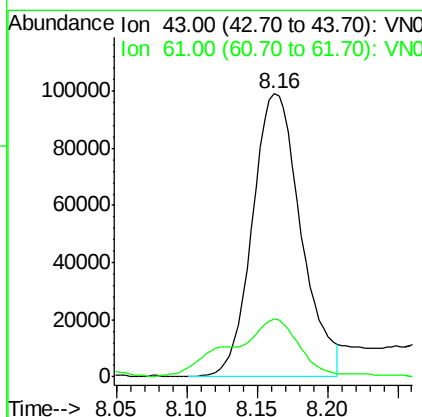
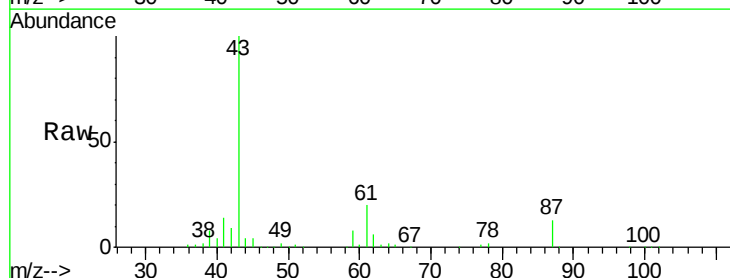
Manual Integrations
APPROVED

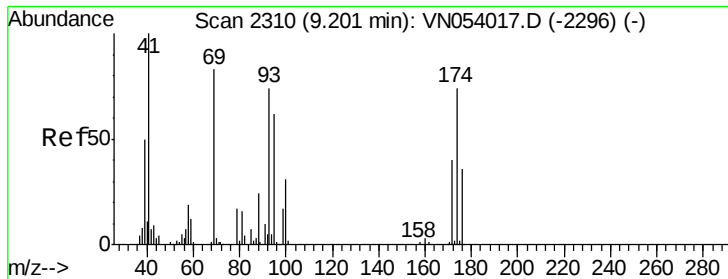
MMDadoda
3/6/2019 10:23:34 AM



#44
Isopropyl Acetate
Concen: 19.719 ug/l m
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Tgt Ion: 43 Resp: 237686
Ion Ratio Lower Upper
43 100
61 0.0 16.0 24.0#





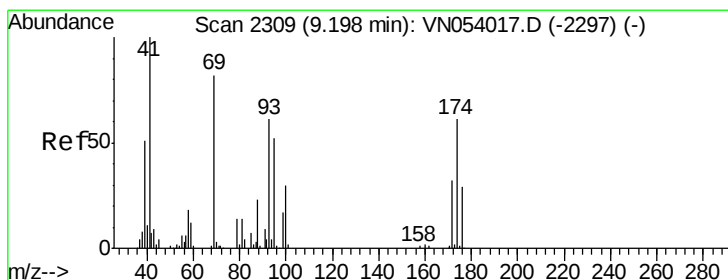
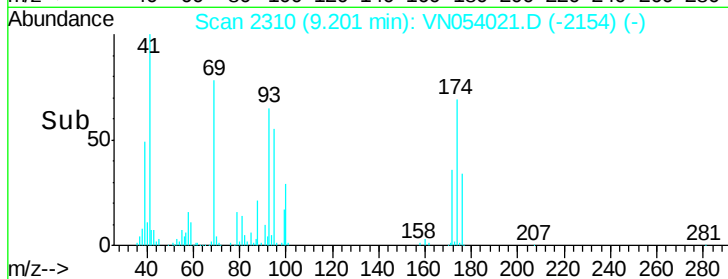
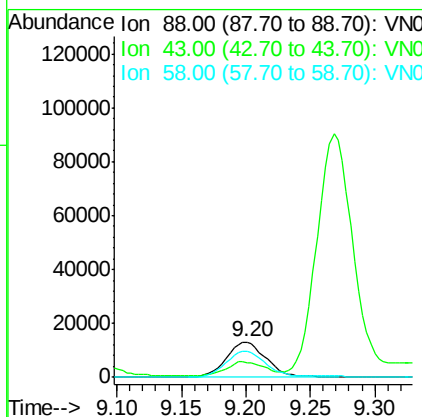
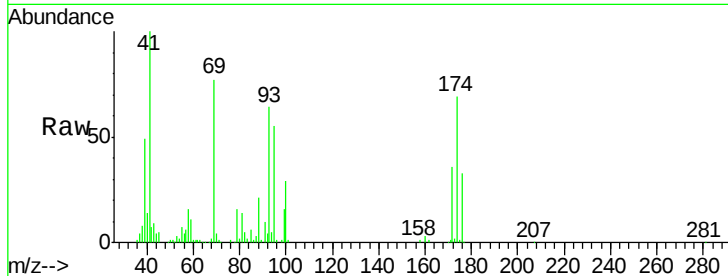
#45
1,4-Dioxane
Concen: 400.271 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN030119

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.0	29.5	44.3
58	73.7	61.5	92.3

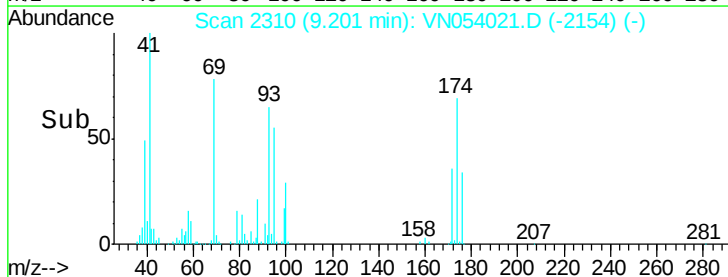
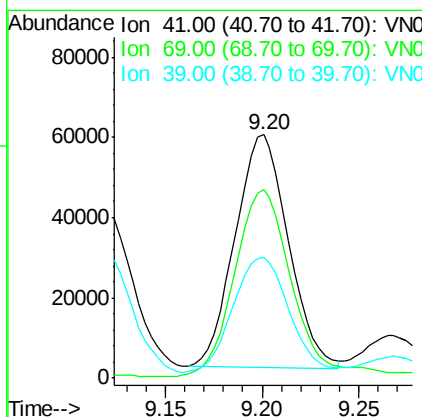
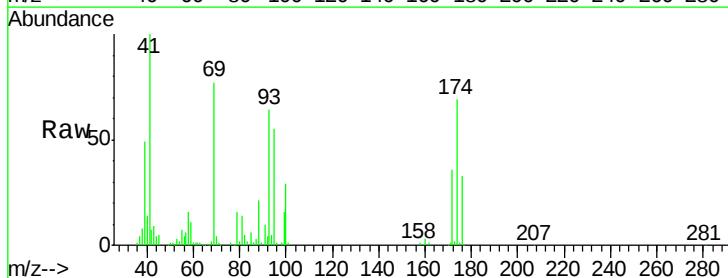
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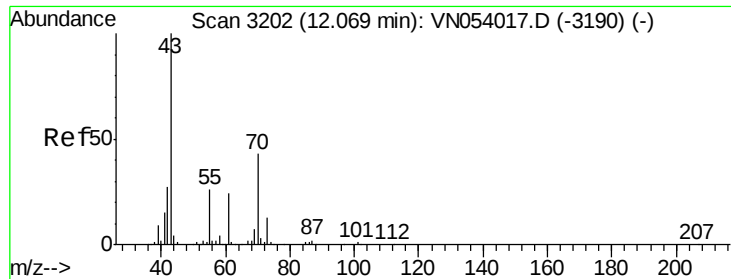
MMDadoda
3/6/2019 10:23:34 AM



#46
Methyl methacrylate
Concen: 19.196 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Tgt Ion	Ratio	Lower	Upper
41	100		
69	79.6	42.5	127.6
39	49.3	26.3	78.9





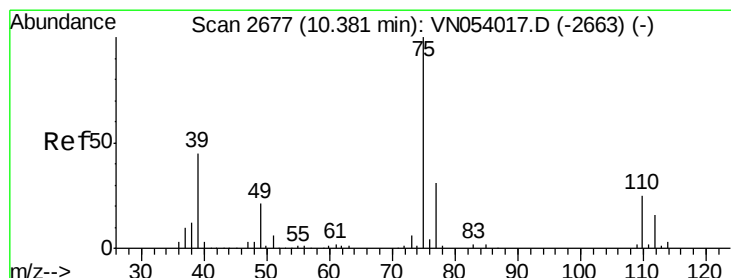
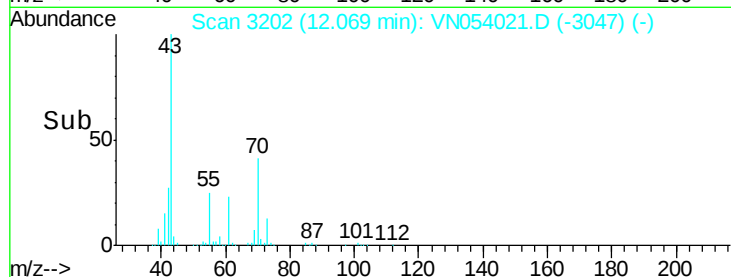
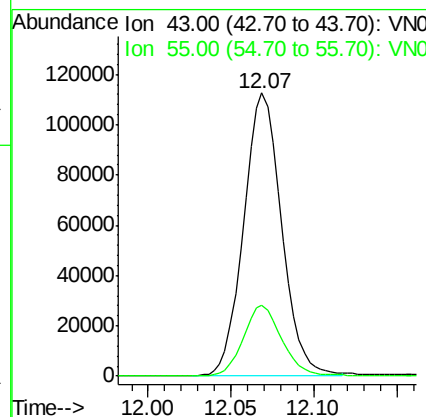
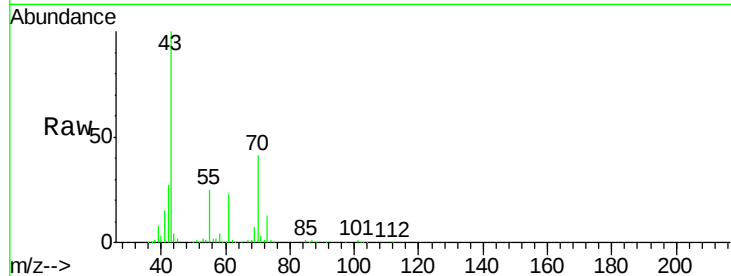
#47
n-amyl Acetate
Concen: 20.132 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN030119

Tot Ion: 43 Resp: 178259
Ion Ratio Lower Upper
43 100
55 25.3 21.1 31.7

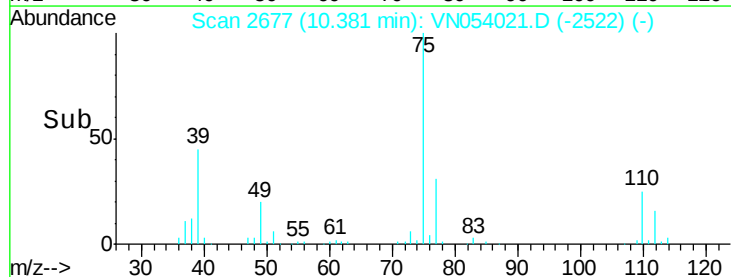
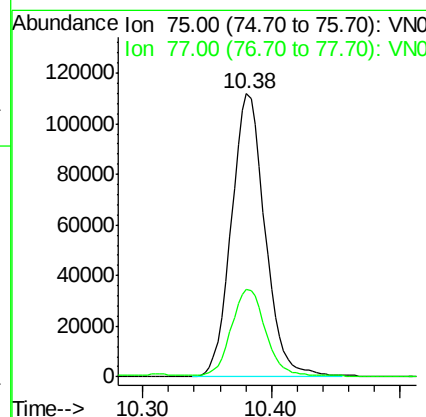
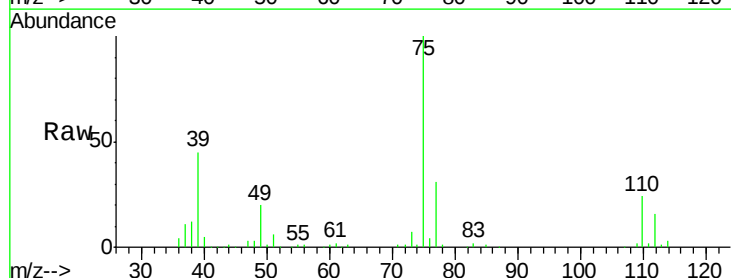
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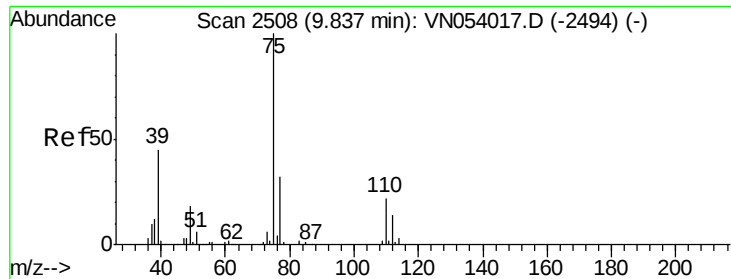
MMDadoda
3/6/2019 10:23:34 AM



#48
t-1,3-Dichloropropene
Concen: 19.662 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Tgt Ion: 75 Resp: 202786
Ion Ratio Lower Upper
75 100
77 30.5 25.6 38.4





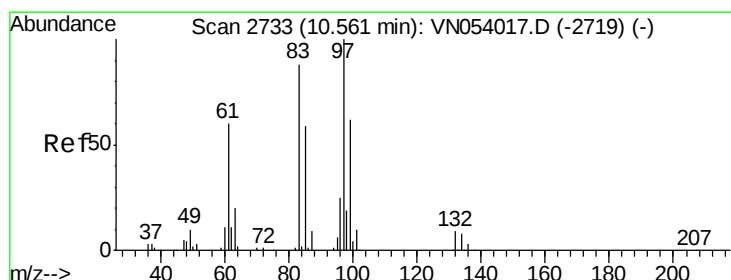
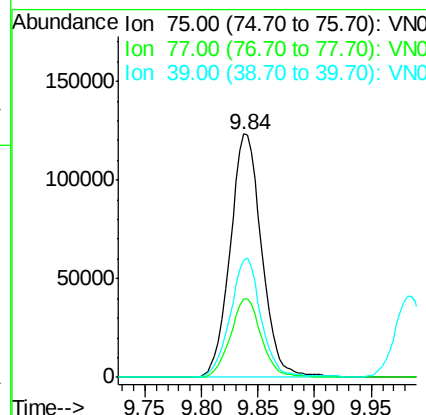
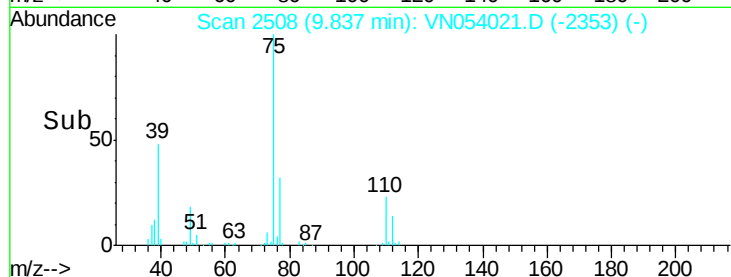
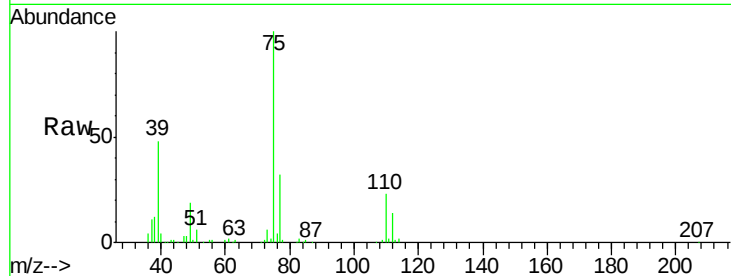
#49
 cis-1,3-Dichloropropene
 Concen: 19.786 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN054021.D
 Acq: 1 Mar 2019 11:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN030119

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.0
39	48.0	37.3	55.9

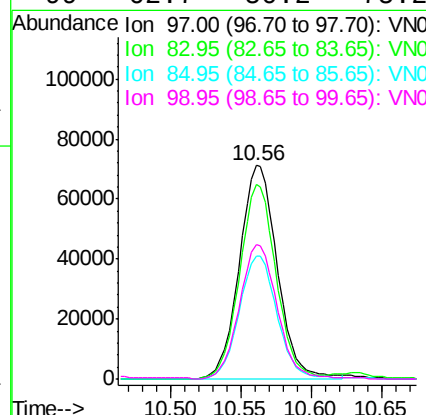
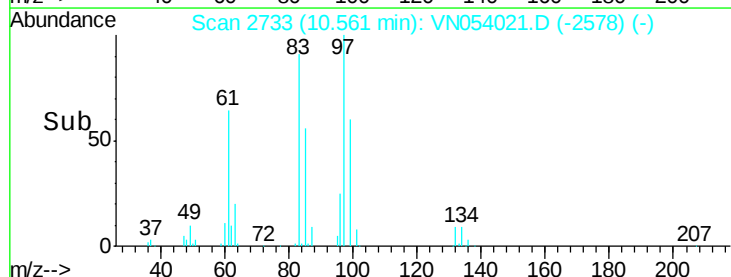
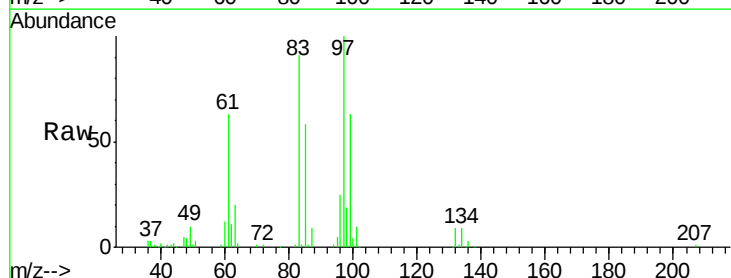
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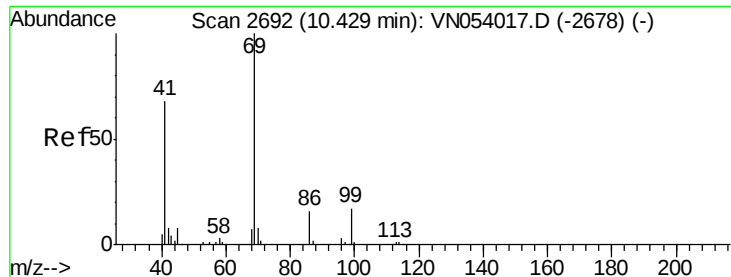
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#50
 1,1,2-Trichloroethane
 Concen: 19.734 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054021.D
 Acq: 1 Mar 2019 11:23

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.9	70.4	105.6
85	57.6	45.0	67.6
99	62.7	50.2	75.2





#51

Ethyl methacrylate

Concen: 19.848 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Instrument :

MSVOA_N

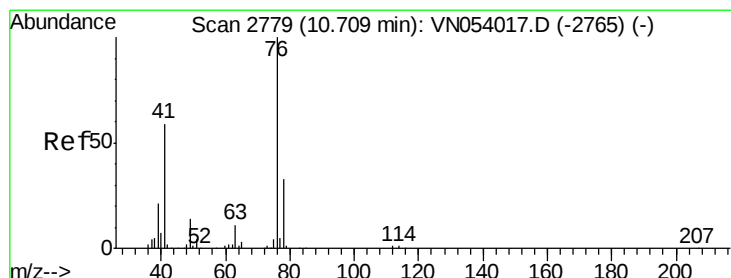
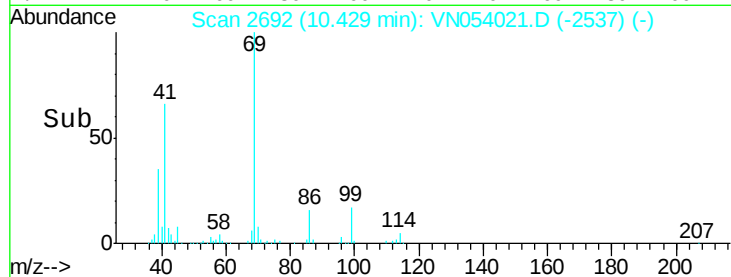
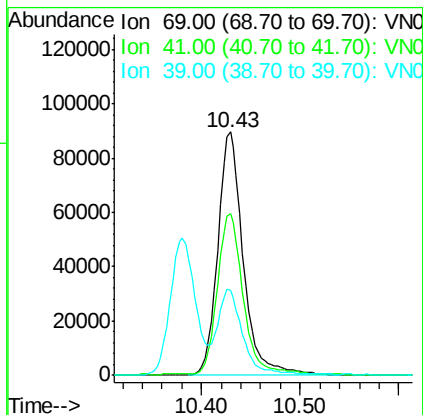
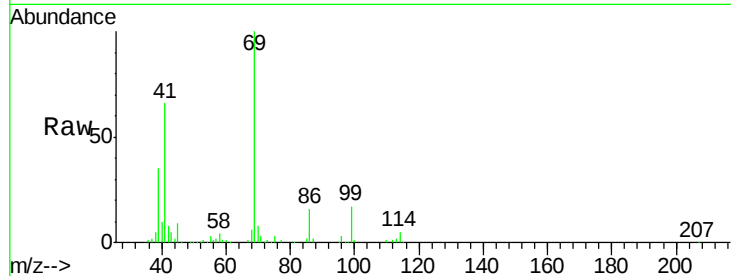
ClientSampled :

ICVVN030119

Tot Ion:	69	Resp:	162484
Ion	Ratio	Lower	Upper
69	100		
41	66.0	34.4	103.3
39	34.7	16.4	49.2

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.939 ug/l

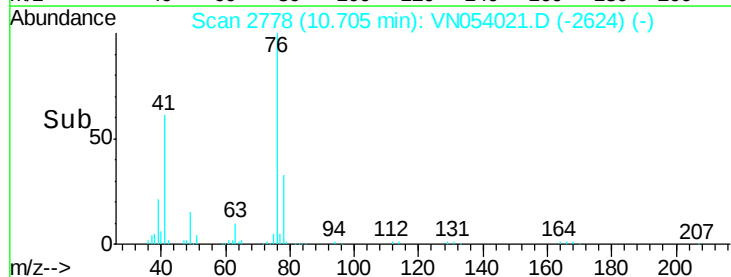
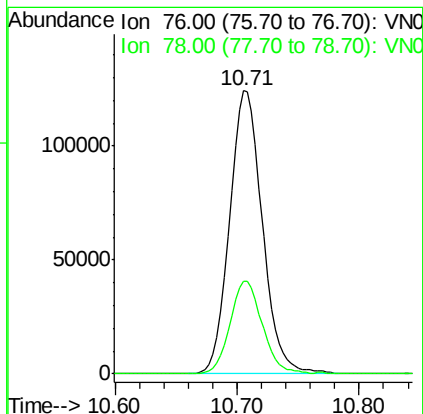
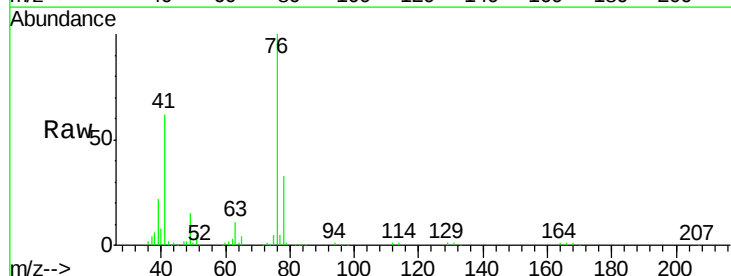
RT: 10.71 min Scan# 2778

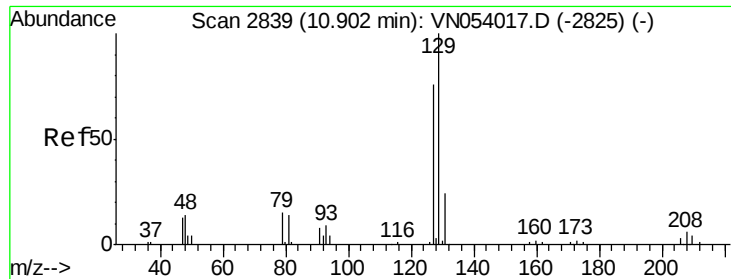
Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Tgt Ion:	76	Resp:	232713
Ion	Ratio	Lower	Upper
76	100		
78	32.3	0.0	64.8





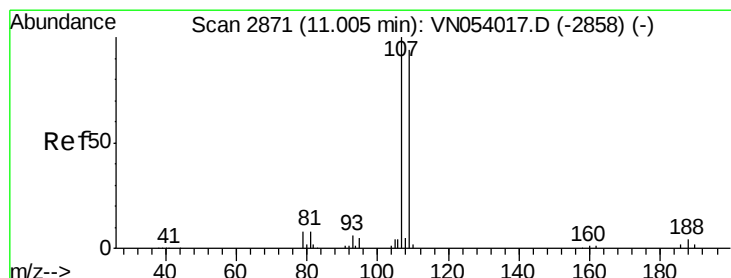
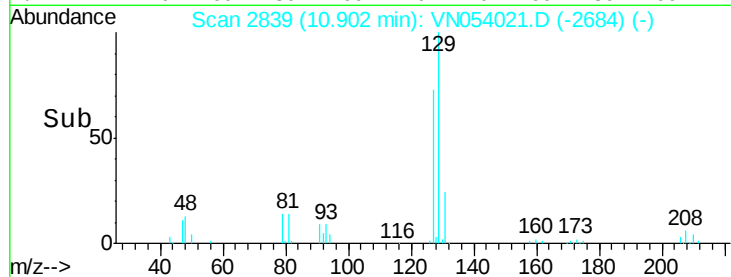
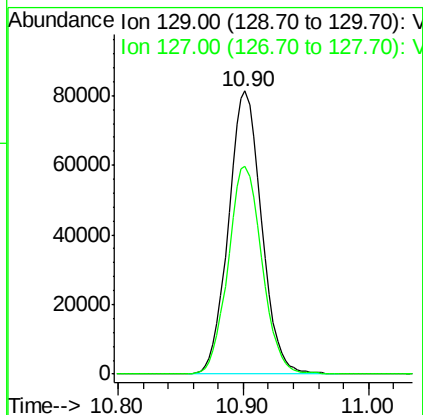
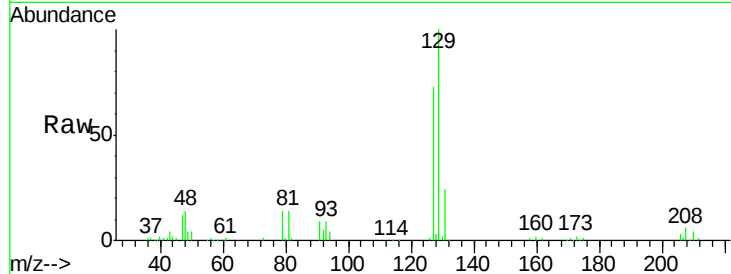
#53
Dibromochloromethane
Concen: 19.959 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN030119

Tot Ion:129 Resp: 149141
Ion Ratio Lower Upper
129 100
127 75.4 37.6 112.8

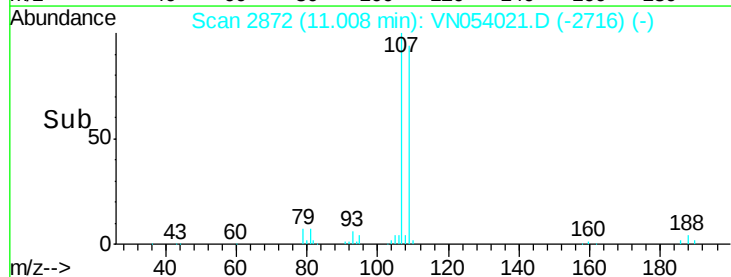
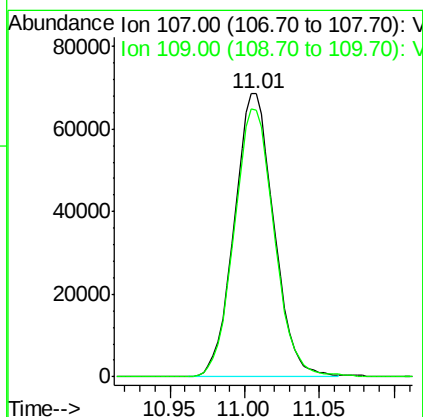
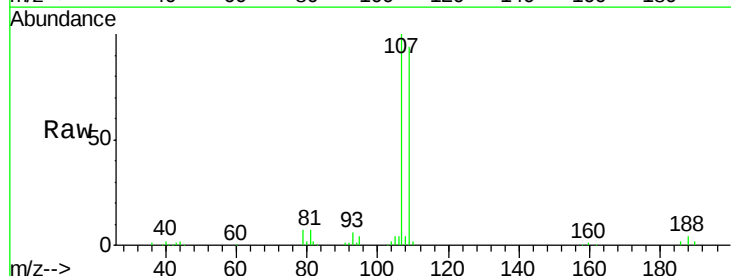
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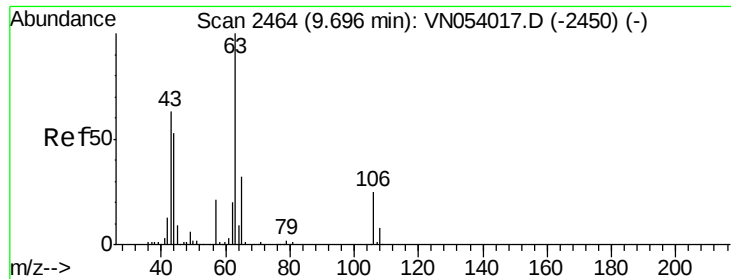
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#54
1,2-Dibromoethane
Concen: 19.501 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Tgt Ion:107 Resp: 126329
Ion Ratio Lower Upper
107 100
109 95.9 77.1 115.7





#55

2-Chloroethyl vinyl ether

Concen: 99.361 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Instrument :

MSVOA_N

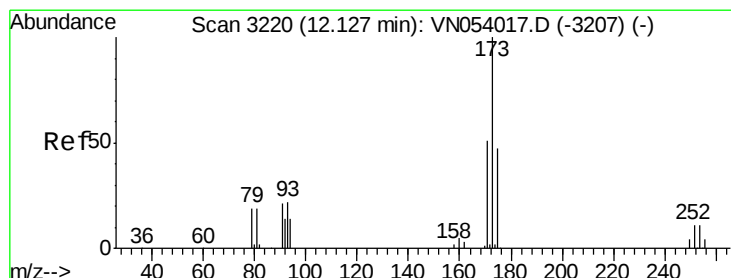
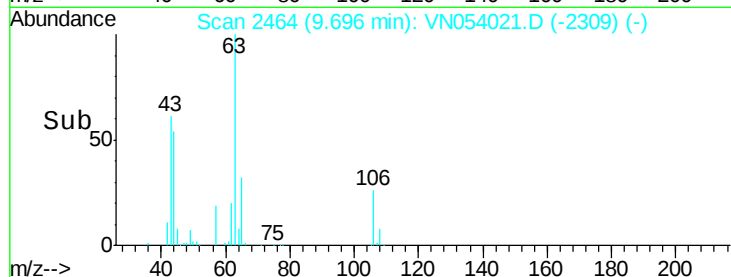
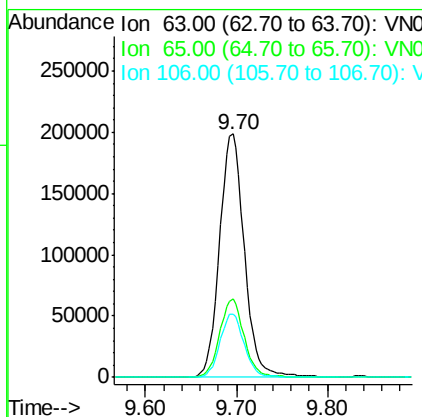
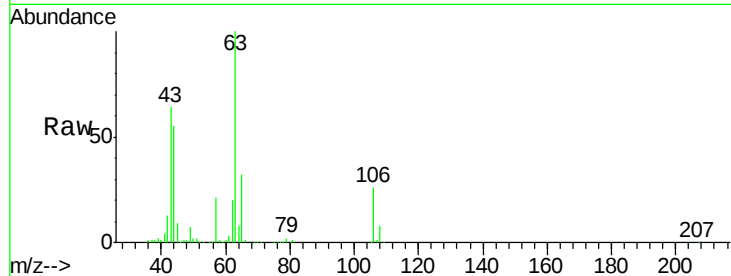
ClientSampled :

ICVVN030119

Tot Ion:	63	Resp:	377480
Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.4	38.2
106	25.3	20.4	30.6

Manual Integrations
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#56

Bromoform

Concen: 19.649 ug/l

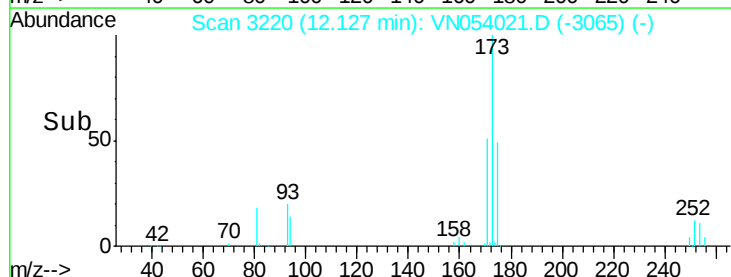
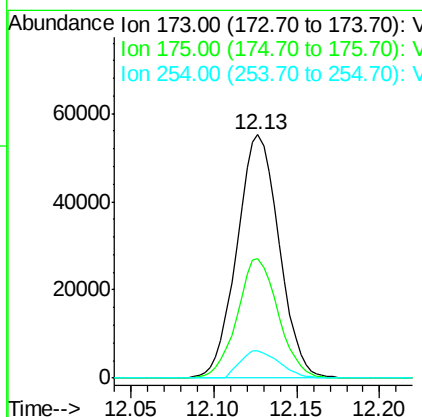
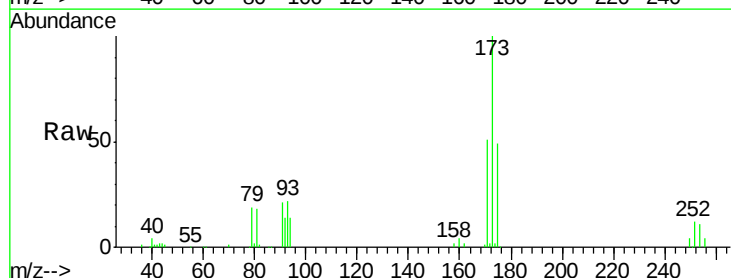
RT: 12.13 min Scan# 3220

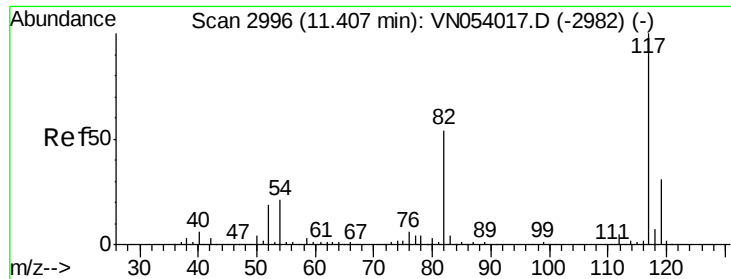
Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Tgt Ion:	173	Resp:	97492
Ion	Ratio	Lower	Upper
173	100		
175	47.8	38.7	58.1
254	10.6	8.4	12.6





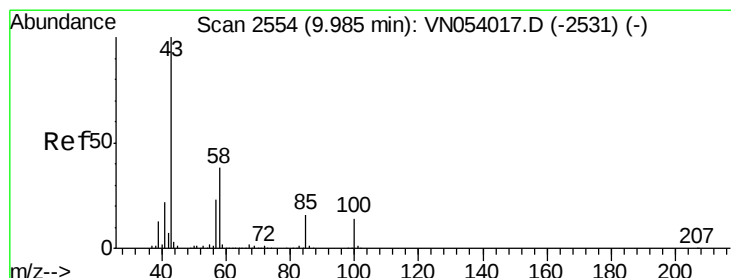
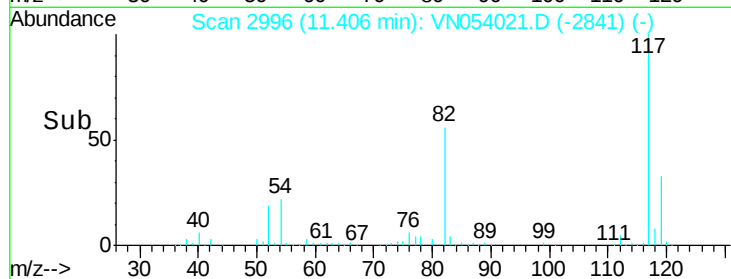
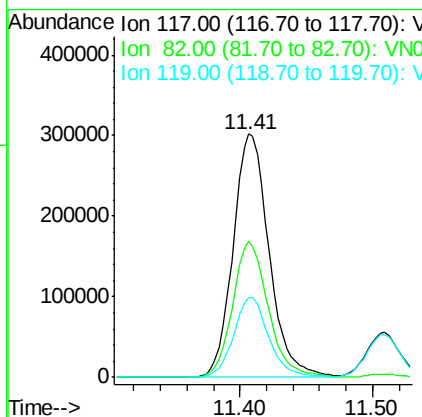
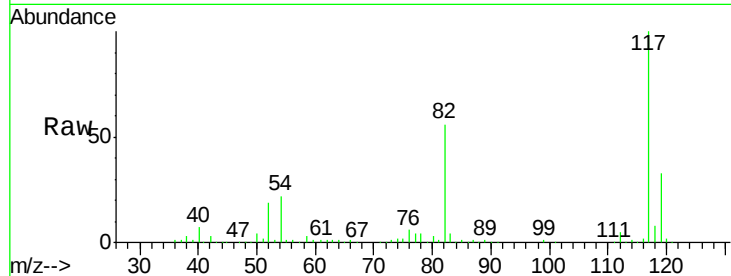
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN030119

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.1	44.2	66.2
119	32.1	25.4	38.2

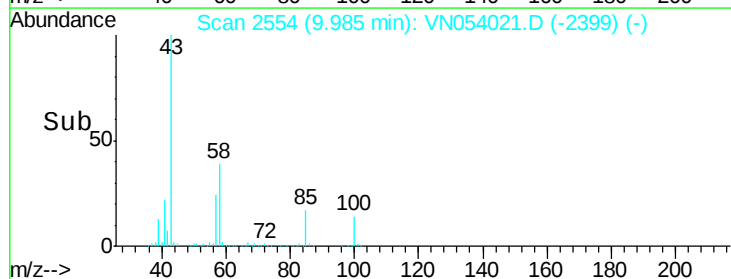
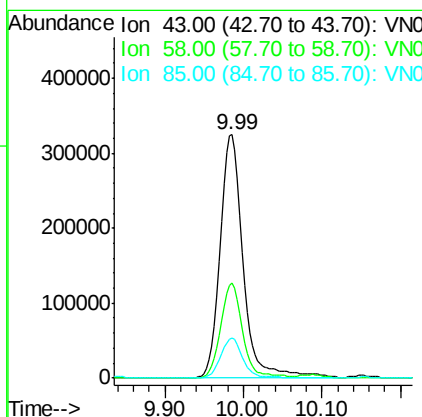
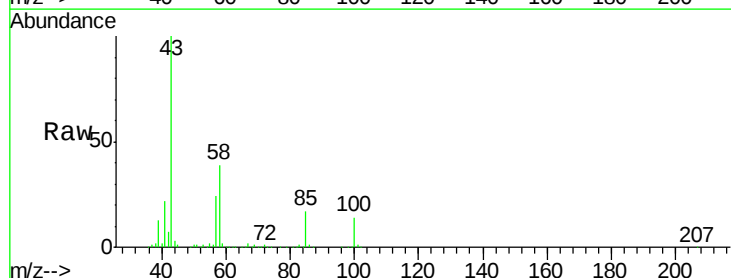
Manual Integrations
APPROVED

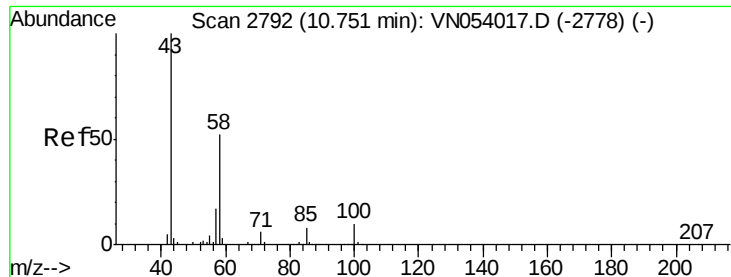
MMDadoda
3/6/2019 10:23:34 AM



#58
4-Methyl-2-Pentanone
Concen: 101.625 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.4	31.6	47.4
85	16.0	13.3	19.9





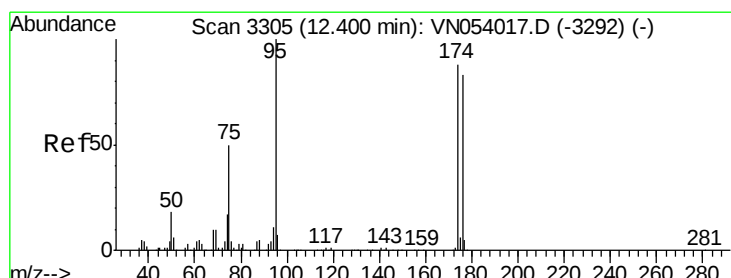
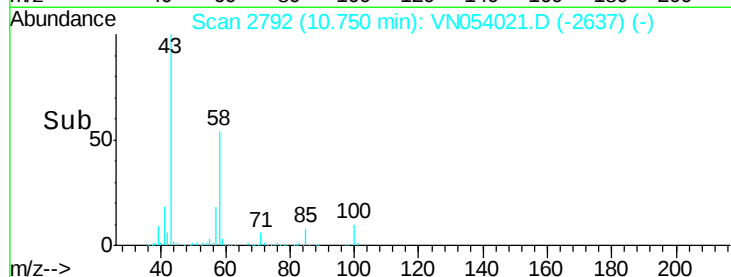
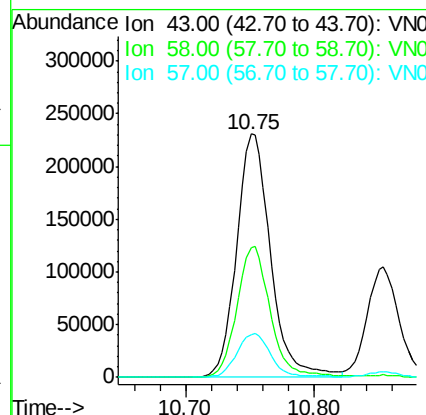
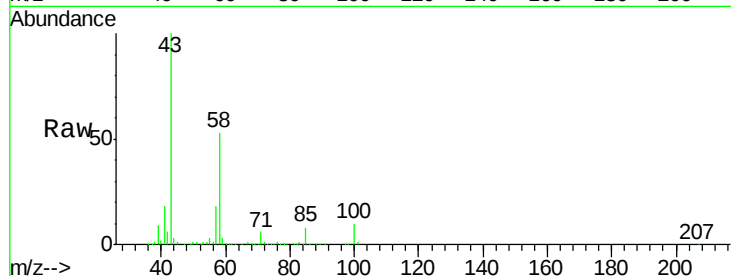
#59
2-Hexanone
Concen: 100.202 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN030119

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.3	43.2	64.8
57	18.2	14.9	22.3

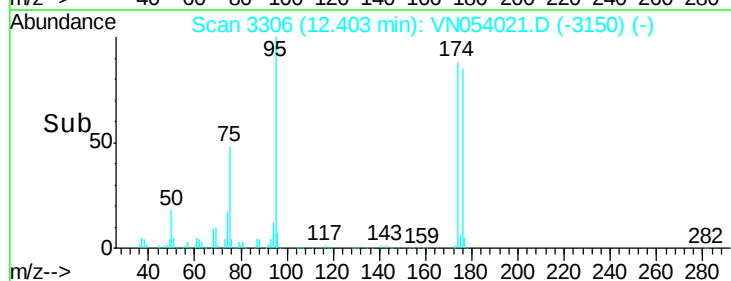
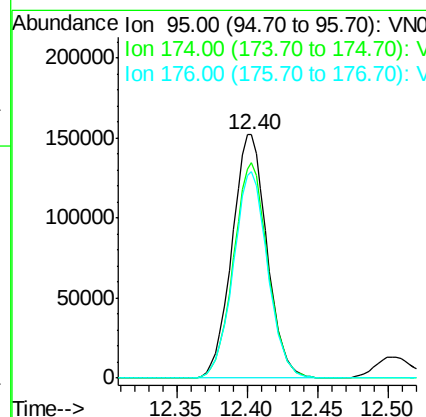
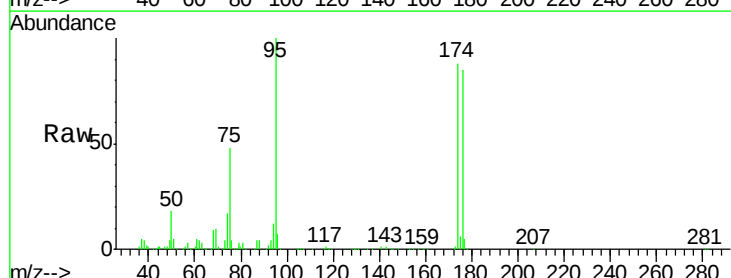
Manual Integrations
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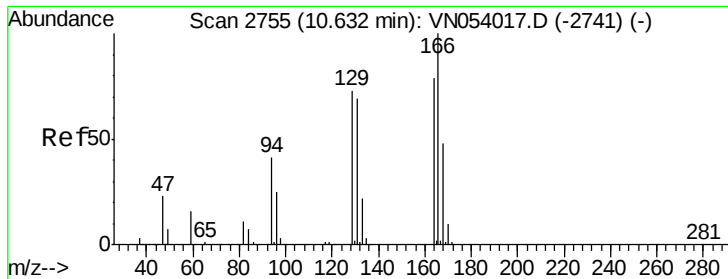
MMDadoda
3/6/2019 10:23:34 AM



#60
4-Bromofluorobenzene
Concen: 100.202 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.9	67.9	101.9
176	83.4	66.4	99.6





#61

Tetrachloroethene

Concen: 20.539 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN030119

Tot Ion:164 Resp: 162479

Ion Ratio Lower Upper

164 100

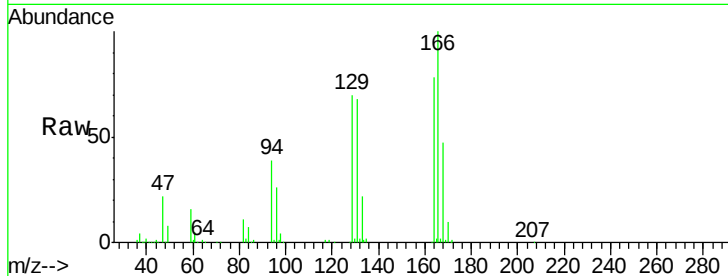
166 127.2 104.6 157.0

129 89.5 75.3 112.9

131 86.2 74.3 111.5

Manual Integrations
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MMDadoda
3/6/2019 10:23:34 AM

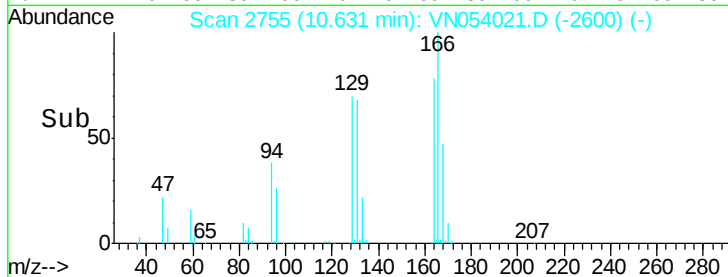


Abundance Ion 163.85 (163.55 to 164.55): V

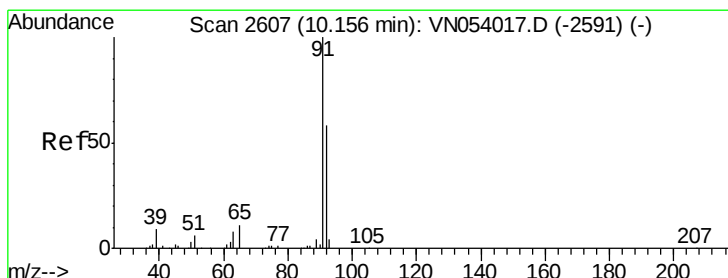
Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



Time-->



#62

Toluene

Concen: 20.546 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054021.D

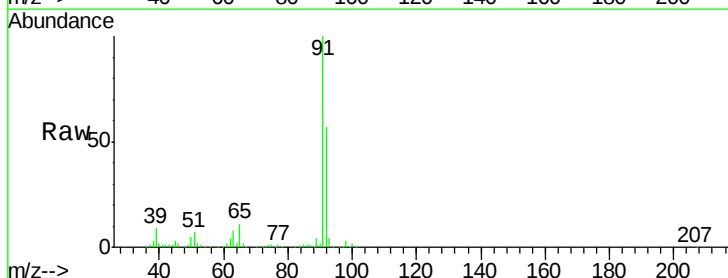
Acq: 1 Mar 2019 11:23

Tgt Ion: 91 Resp: 653396

Ion Ratio Lower Upper

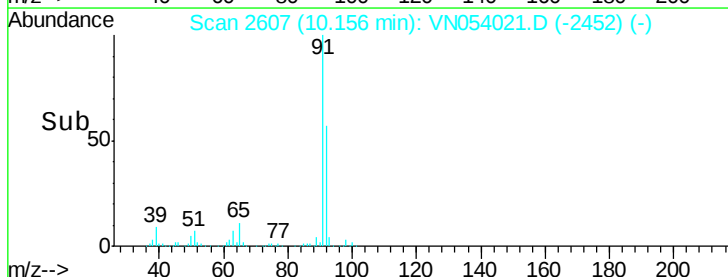
91 100

92 56.8 45.4 68.2

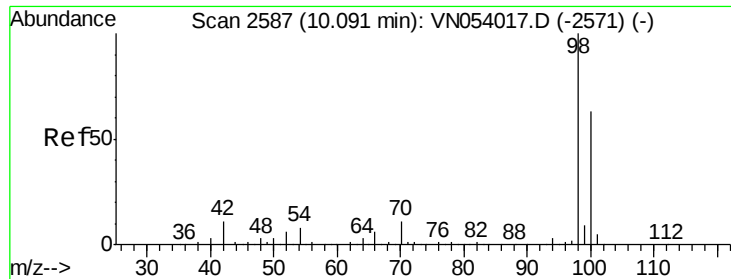


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V



Time-->



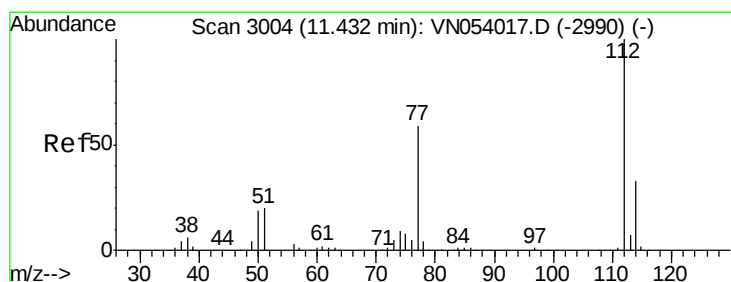
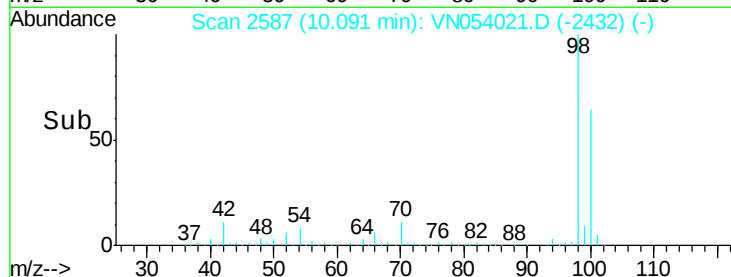
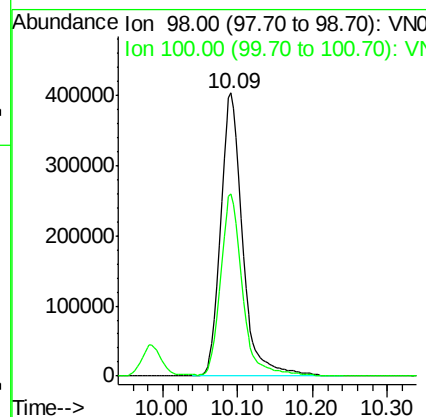
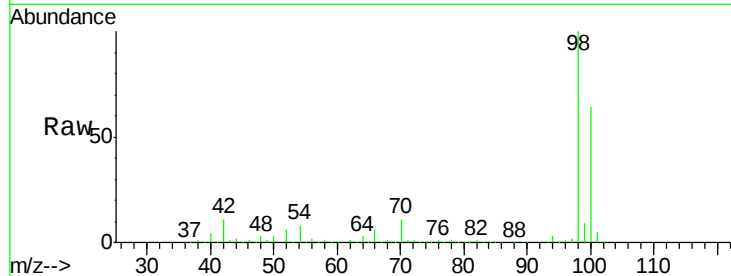
#63
Toluene-d8
Concen: 20.546 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN030119

Tot Ion: 98 Resp: 822408
Ion Ratio Lower Upper
98 100
100 62.4 51.1 76.7

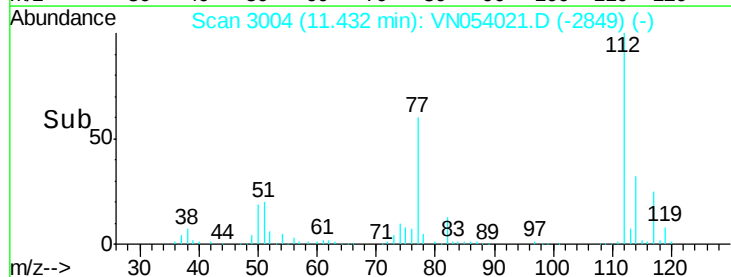
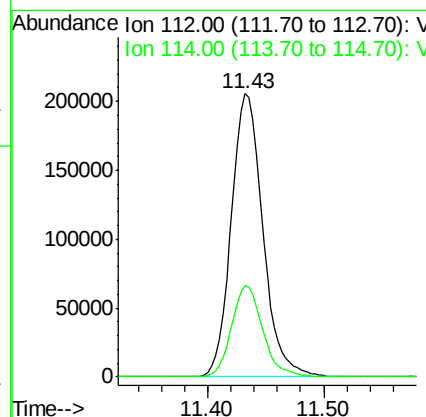
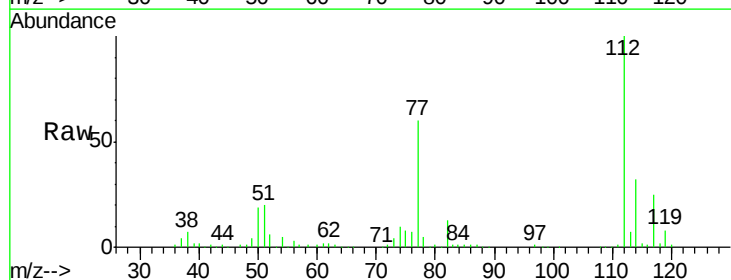
Manual Integrations
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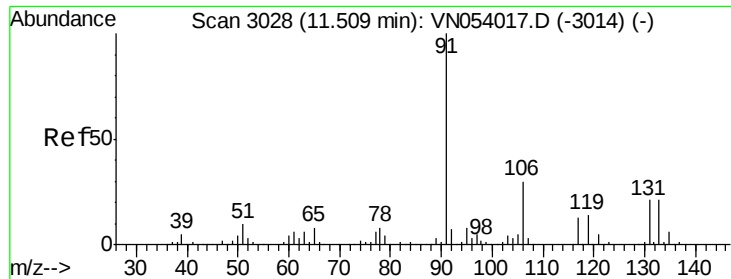
MMDadoda
3/6/2019 10:23:34 AM



#64
Chlorobenzene
Concen: 20.064 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Tgt Ion: 112 Resp: 388536
Ion Ratio Lower Upper
112 100
114 32.1 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 20.166 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Instrument :

MSVOA_N

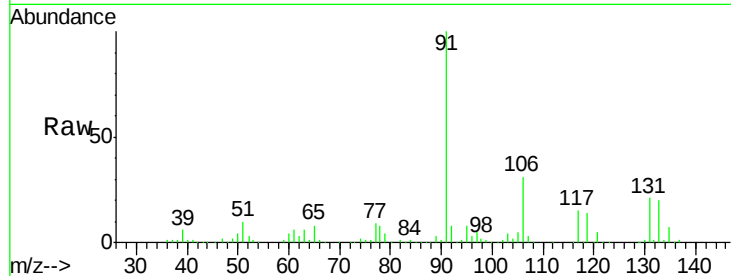
ClientSampled :

ICVVN030119

Tot Ion	Ratio	Resp	Lower	Upper
131	100	143390		
133	95.8	0.0	193.4	
119	66.6	0.0	133.0	

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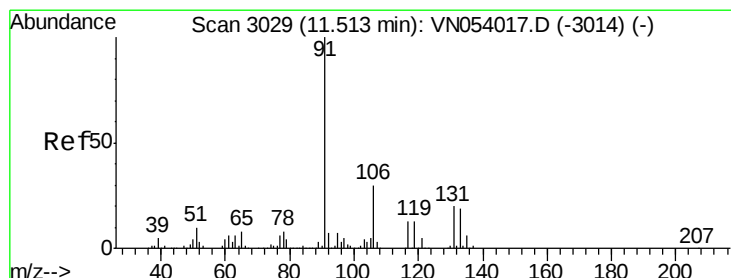
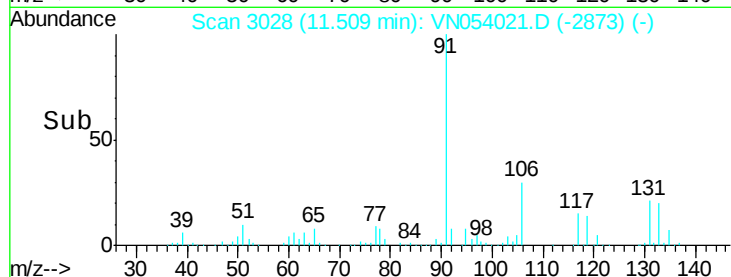
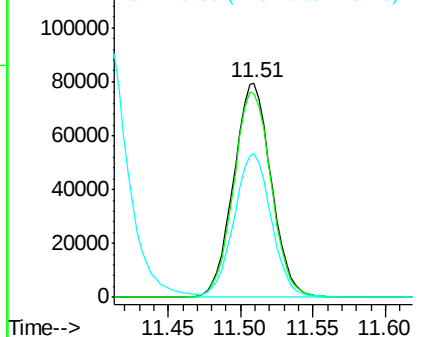


Abundance

Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.339 ug/l

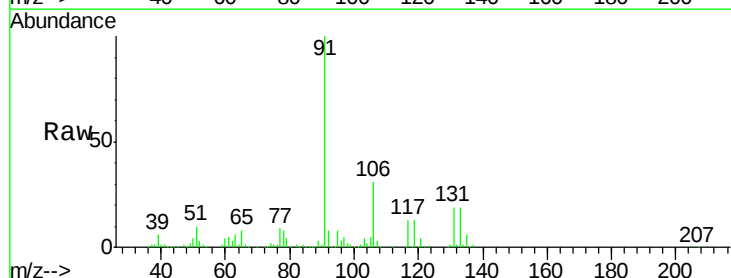
RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

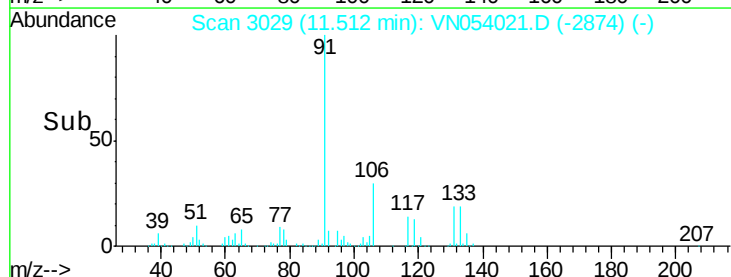
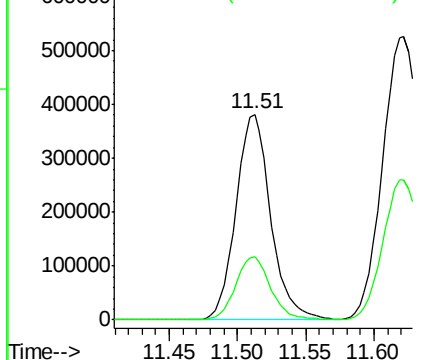
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	676098		
106	30.5	24.3	36.5	

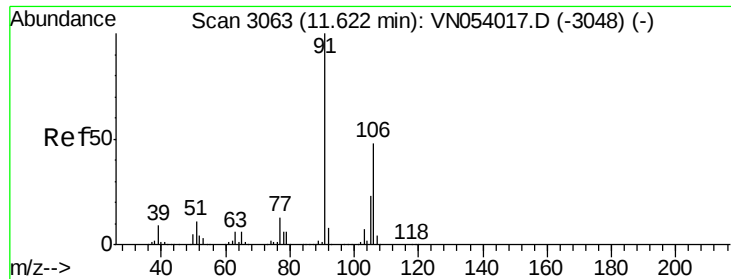


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 41.864 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Instrument :

MSVOA_N

ClientSampled :

ICVVN030119

Tot Ion:106 Resp: 523942

Ion Ratio Lower Upper

106 100

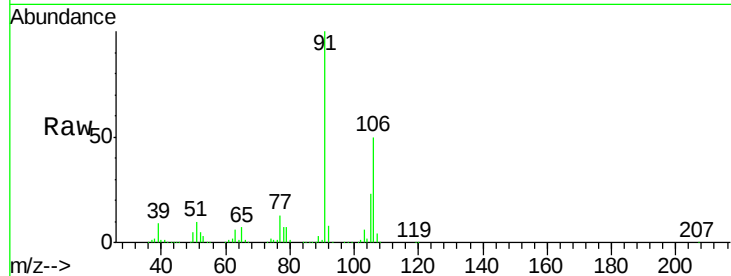
91 203.5 163.9 245.9

Manual Integrations

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

600000

500000

400000

300000

200000

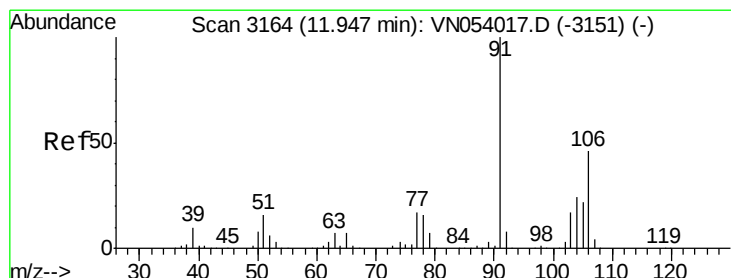
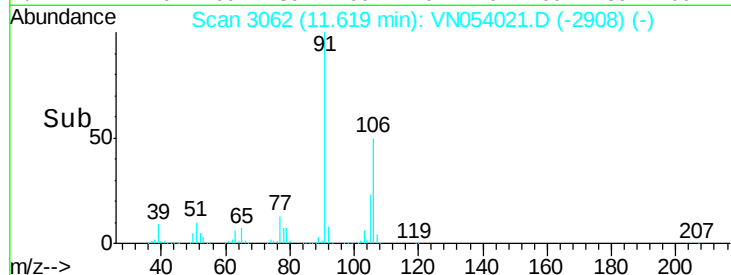
100000

0

11.62

11.70

Time-->



#68

o-Xylene

Concen: 20.696 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN054021.D

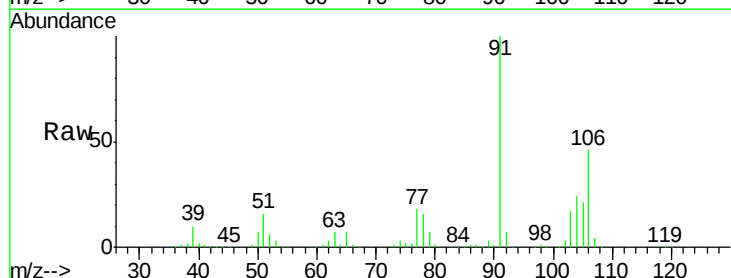
Acq: 1 Mar 2019 11:23

Tgt Ion:106 Resp: 251087

Ion Ratio Lower Upper

106 100

91 214.2 107.8 323.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

300000

200000

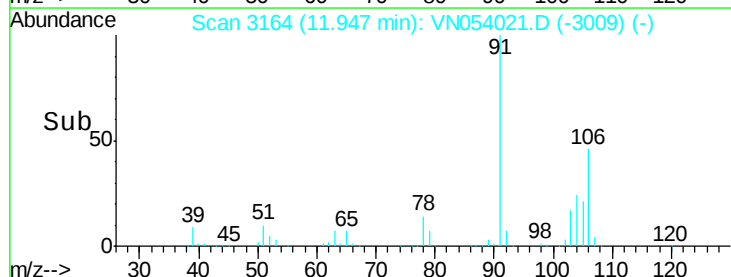
100000

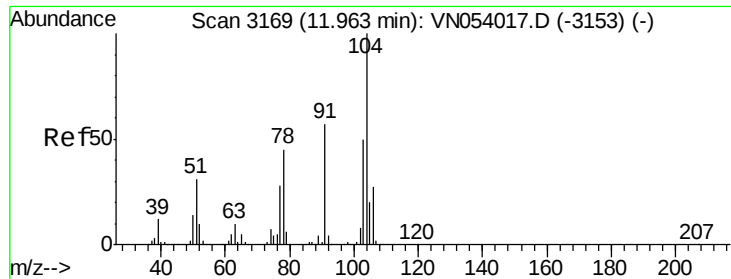
0

11.95

12.05

Time-->





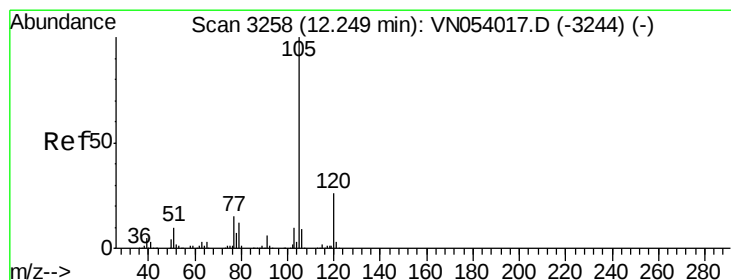
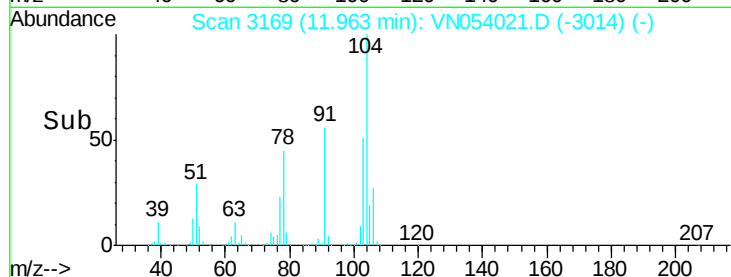
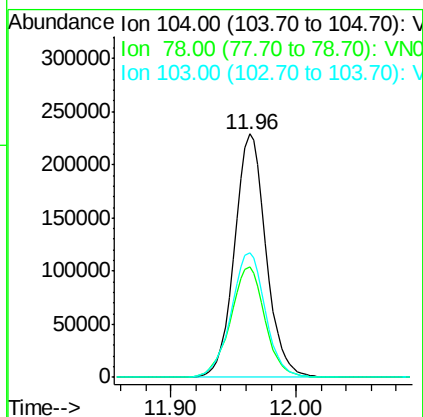
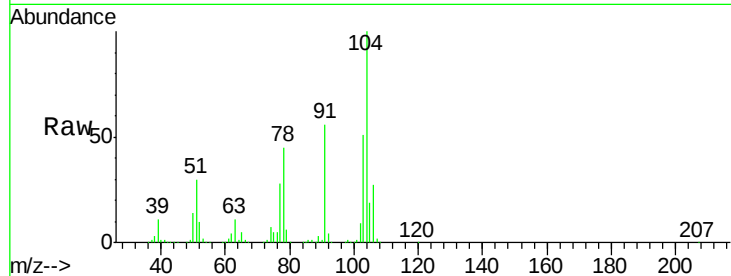
#69
Stvrene
Concen: 20.744 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN030119

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.6	39.3	58.9
103	55.6	44.6	66.8

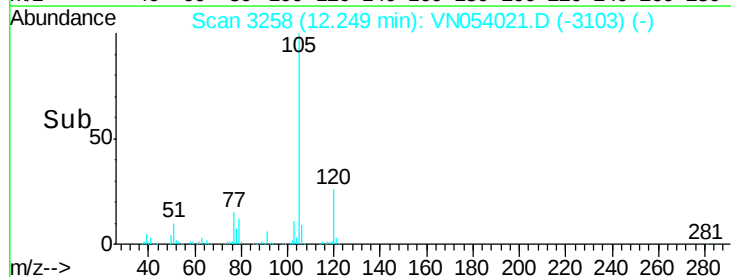
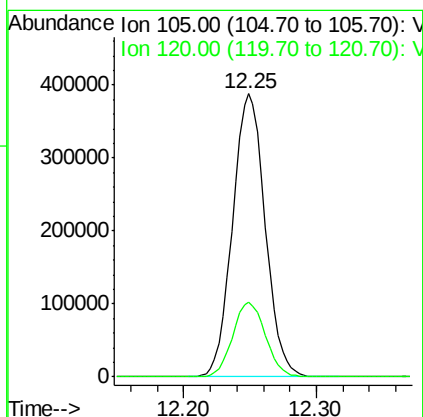
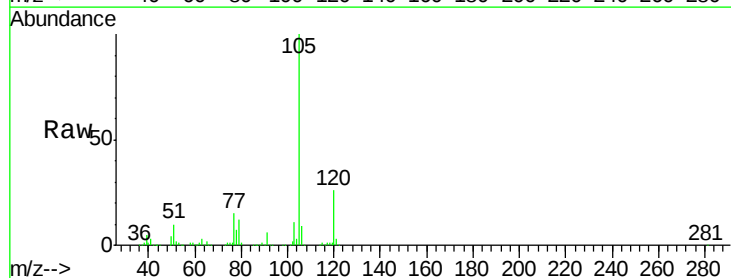
Manual Integrations
APPROVED

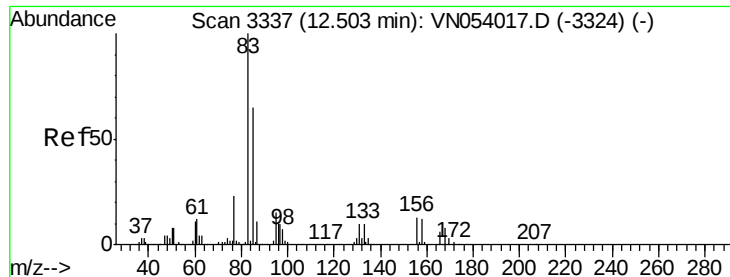
MMDadoda
3/6/2019 10:23:34 AM



#70
Isopropylbenzene
Concen: 20.761 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	18.6	34.6





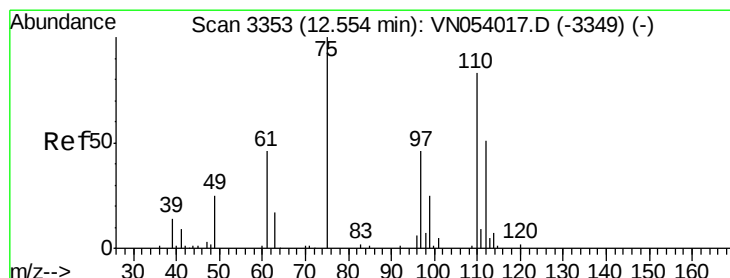
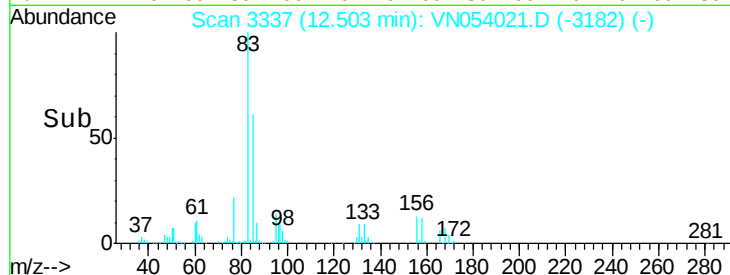
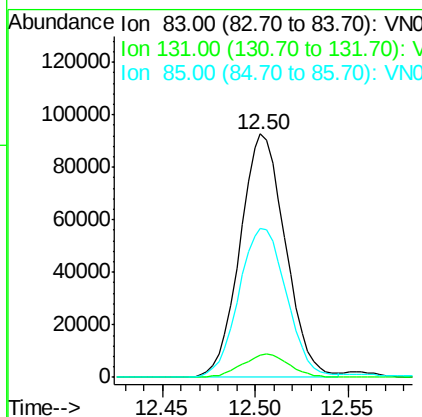
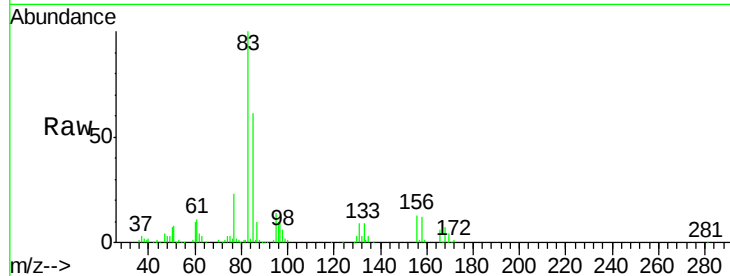
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.040 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN054021.D
 Acq: 1 Mar 2019 11:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN030119

Tot Ion	Ratio	Resp	Lower	Upper
83	100	157498		
131	9.9	4.9	14.6	
85	64.5	32.2	96.6	

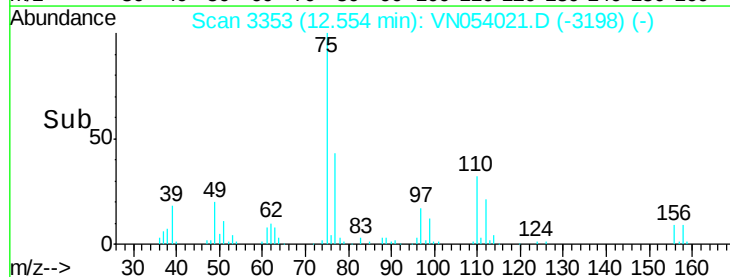
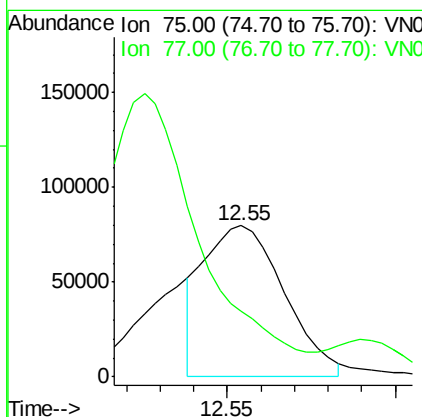
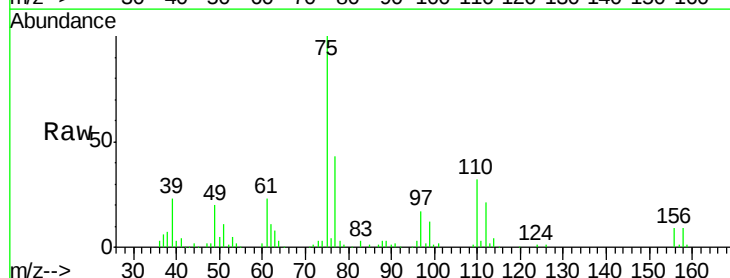
Manual Integrations
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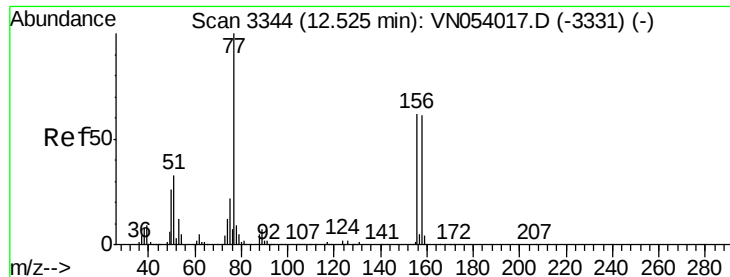
MMDadoda
 3/6/2019 10:23:34 AM



#72
 1,2,3-Trichloropropane
 Concen: 22.182 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN054021.D
 Acq: 1 Mar 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	132374		
77	234.6	0.0	514.8	





#73

Bromobenzene

Concen: 20.129 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Instrument :

MSVOA_N

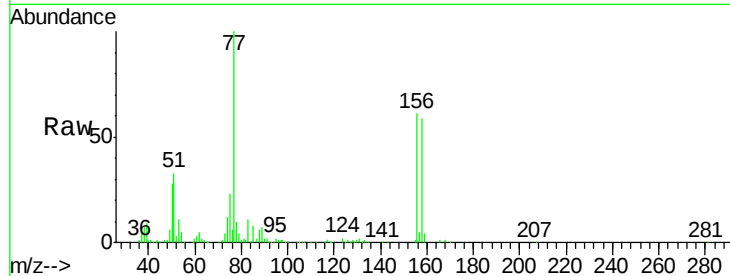
ClientSampleId :

ICVVN030119

Tot Ion:	156	Resp:	161595
Ion Ratio	Lower	Upper	
156	100		
77	192.2	0.0	382.6
158	96.4	0.0	196.8

Manual Integrations
APPROVED

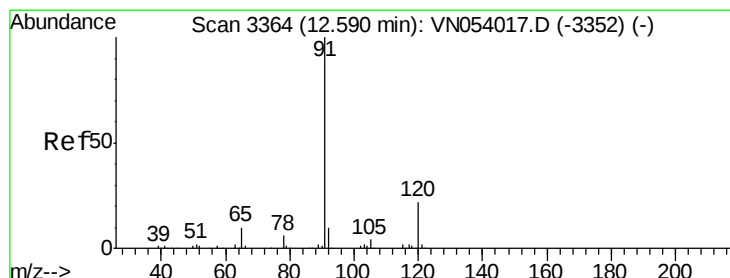
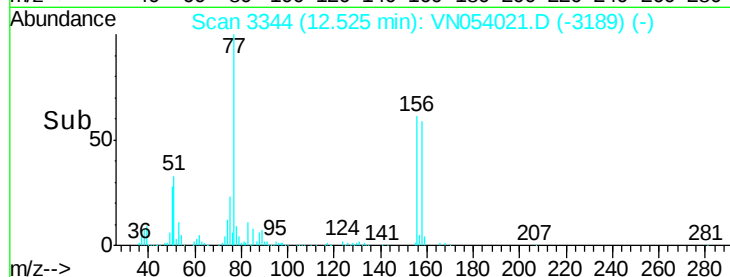
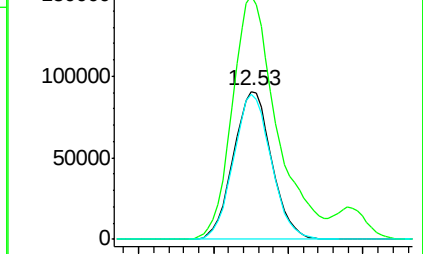
MMDadoda
3/6/2019 10:23:34 AM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.876 ug/l

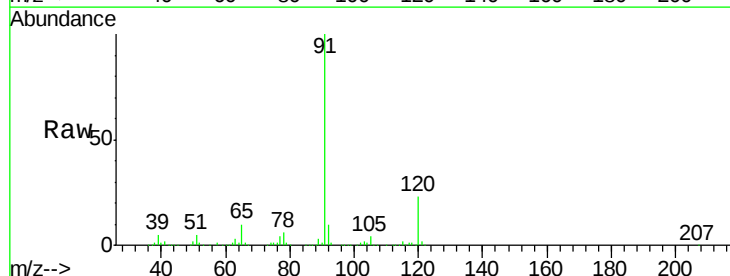
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054021.D

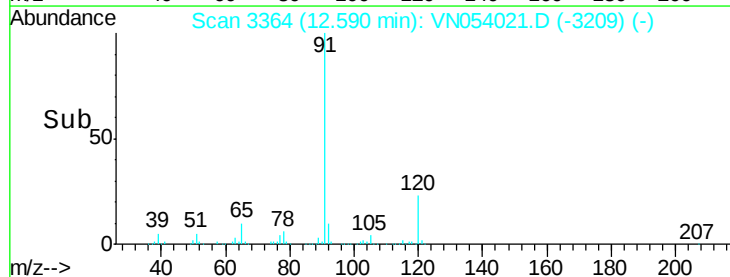
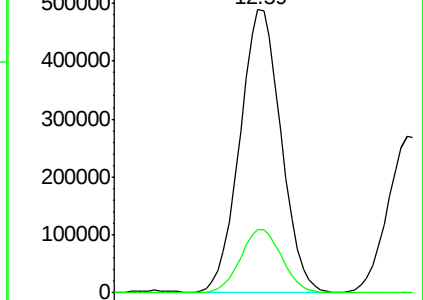
Acq: 1 Mar 2019 11:23

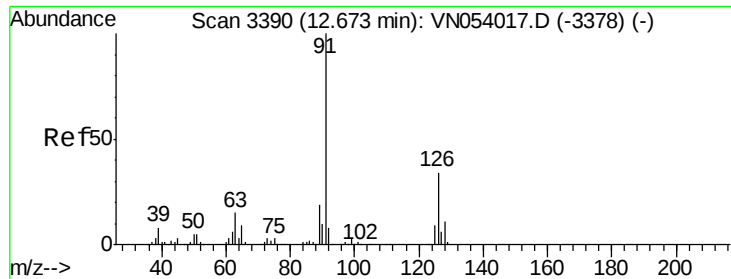
Tgt Ion:	91	Resp:	791567
Ion Ratio	Lower	Upper	
91	100		
120	22.5	0.0	44.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.637 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN030119

Tot Ion: 91 Resp: 458219

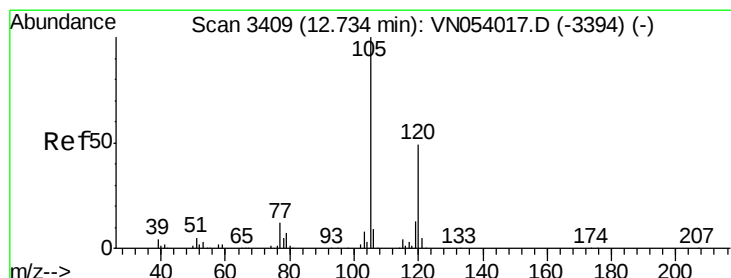
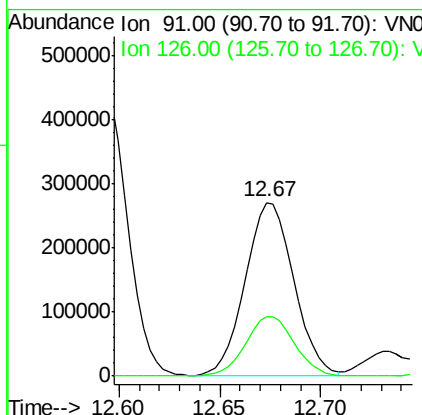
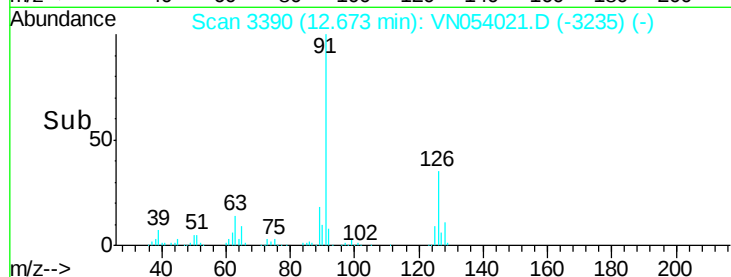
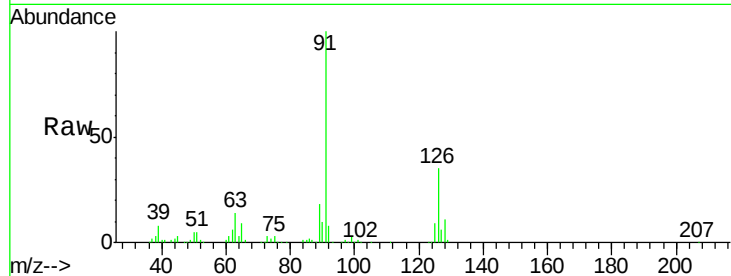
Ion Ratio Lower Upper

91 100

126 34.5 0.0 68.4

Manual Integrations
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#76

1,3,5-Trimethylbenzene

Concen: 21.074 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054021.D

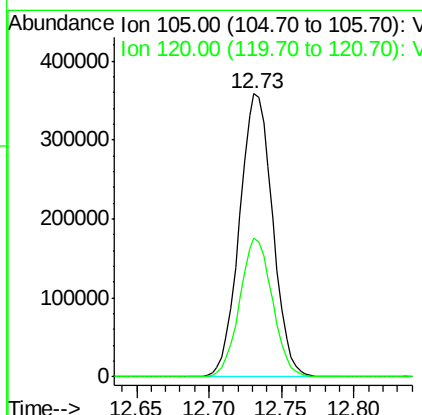
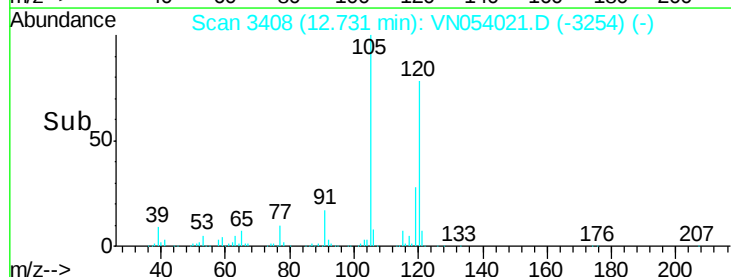
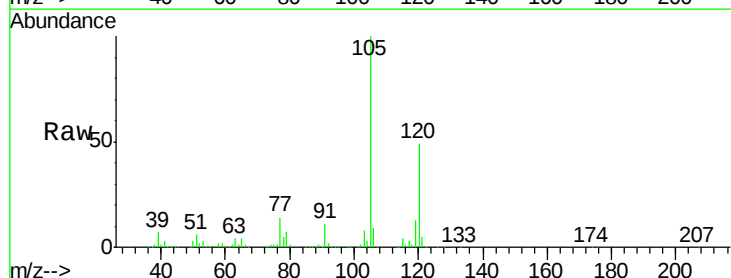
Acq: 1 Mar 2019 11:23

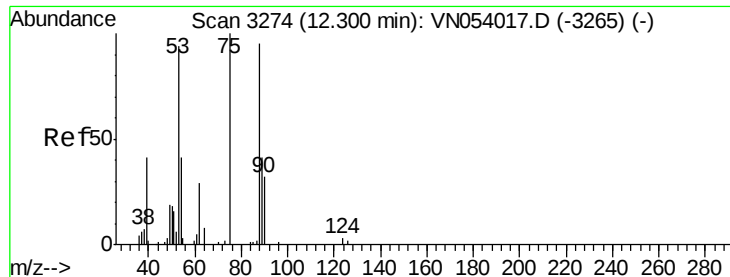
Tgt Ion: 105 Resp: 568425

Ion Ratio Lower Upper

105 100

120 48.4 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 19.270 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Instrument :

MSVOA_N

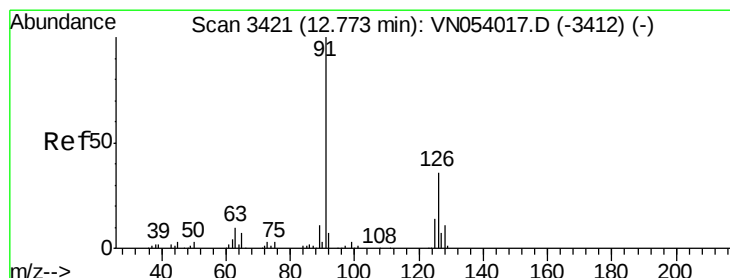
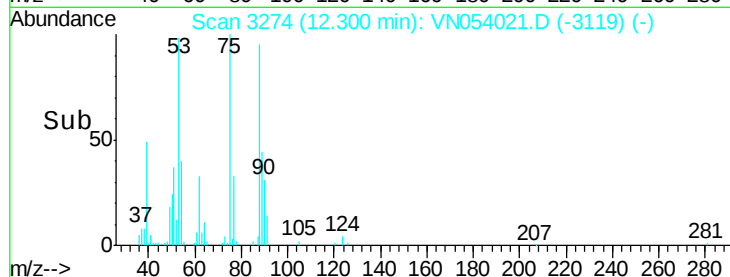
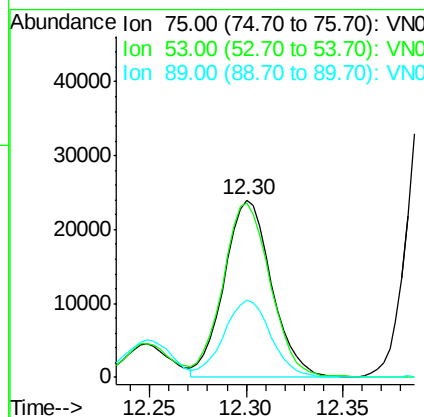
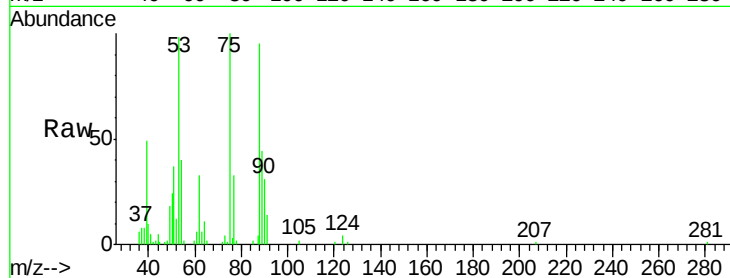
ClientSampleId :

ICVVN030119

Tot Ion:	75	Resp:	40921
Ion	Ratio	Lower	Upper
75	100		
53	97.3	48.5	145.6
89	43.5	21.7	65.1

Manual Integrations
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#78

4-Chlorotoluene

Concen: 20.961 ug/l

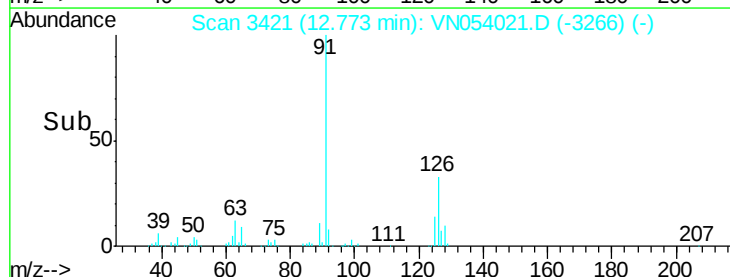
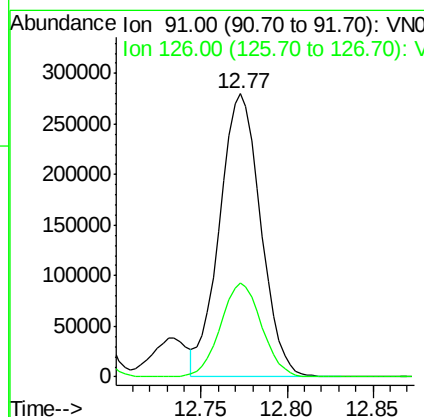
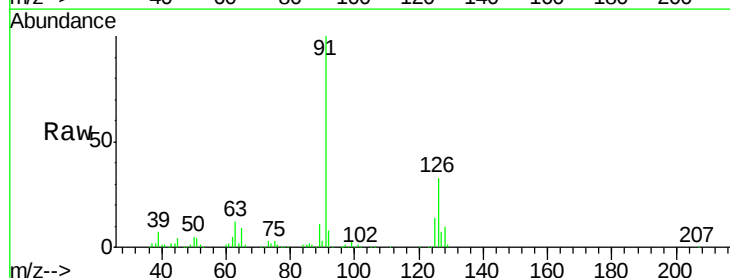
RT: 12.77 min Scan# 3421

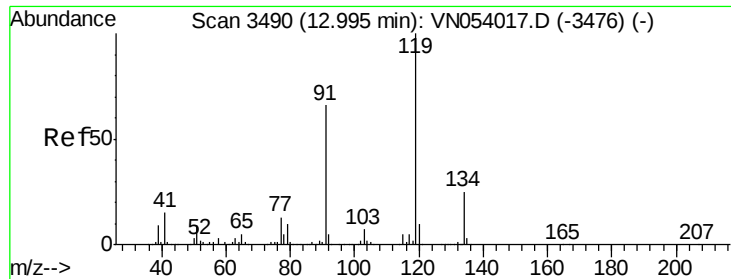
Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Tgt Ion:	91	Resp:	465710
Ion	Ratio	Lower	Upper
91	100		
126	33.2	0.0	68.2





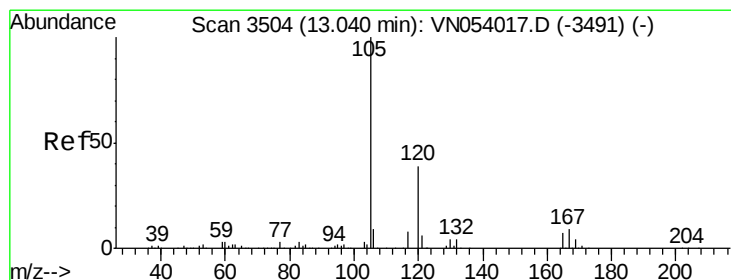
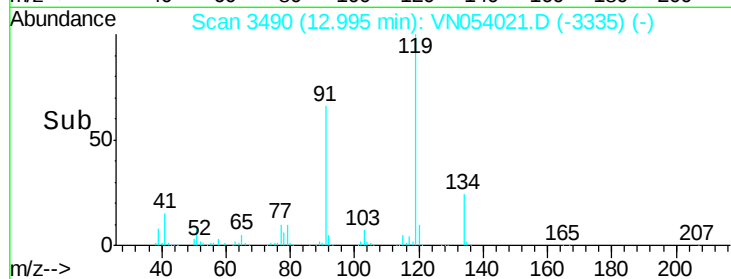
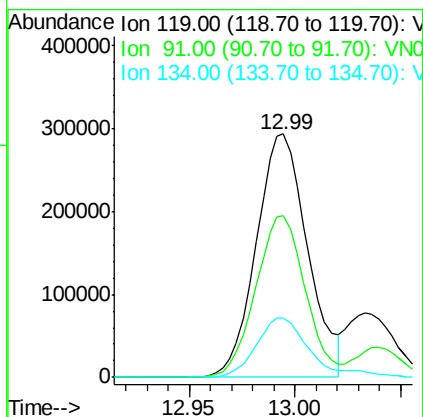
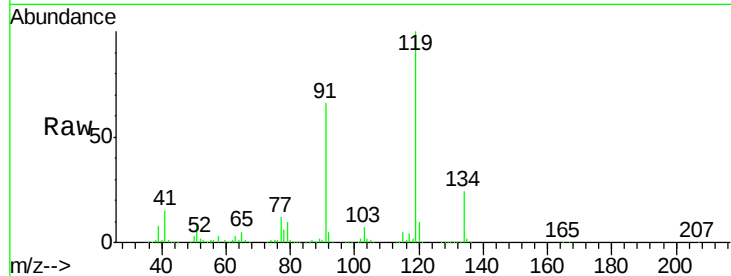
#79
tert-butylbenzene
Concen: 21.025 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN030119

Tot Ion	Ratio	Resp	Lower	Upper
119	100	496928		
91	63.8	0.0	129.8	
134	24.0	0.0	52.2	

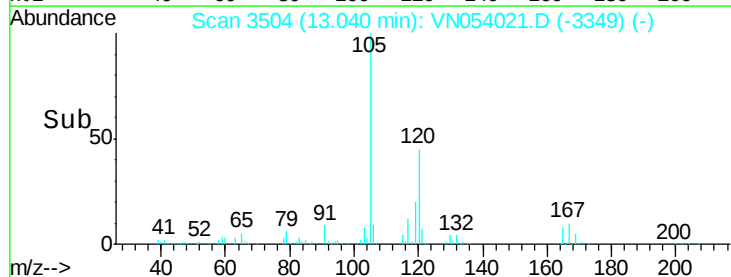
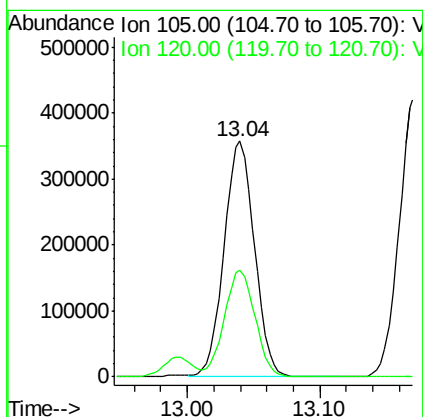
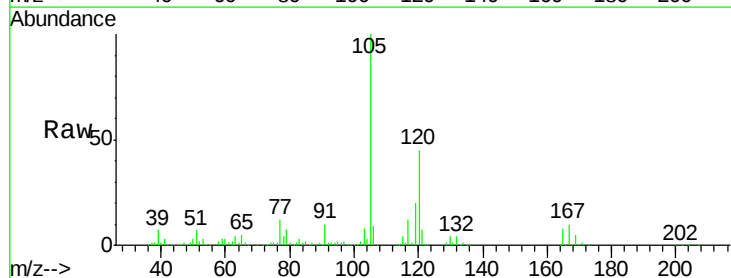
Manual Integrations
APPROVED

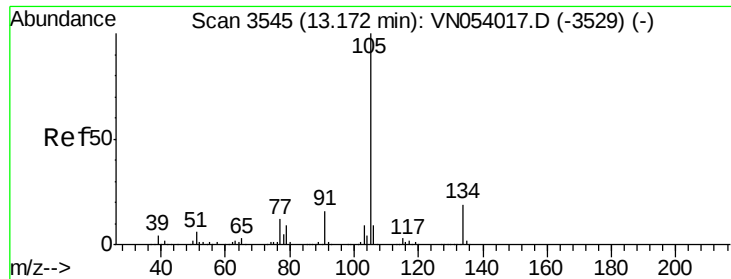
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#80
1,2,4-Trimethylbenzene
Concen: 21.214 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	569494		
120	45.7	0.0	91.0	





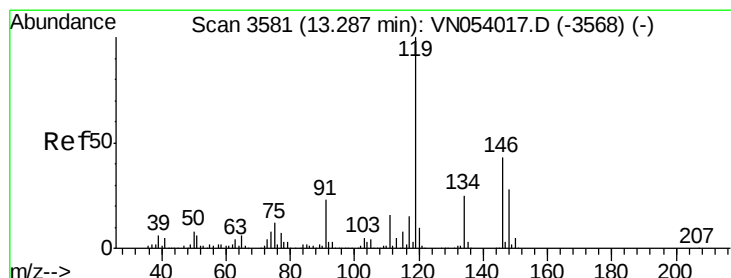
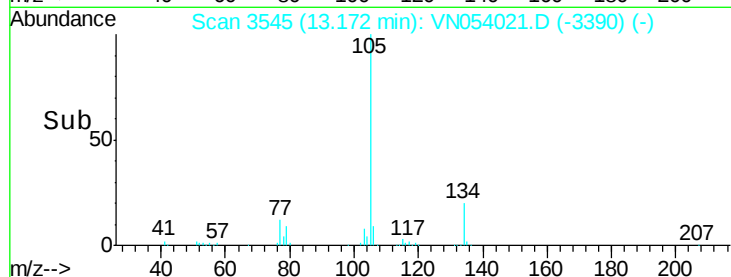
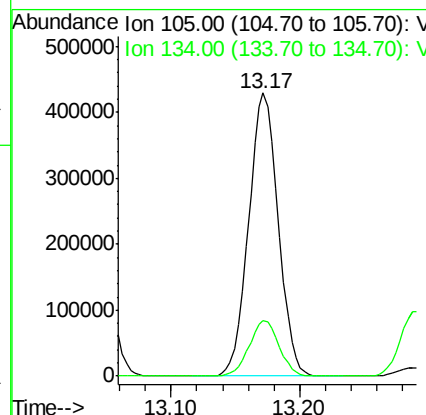
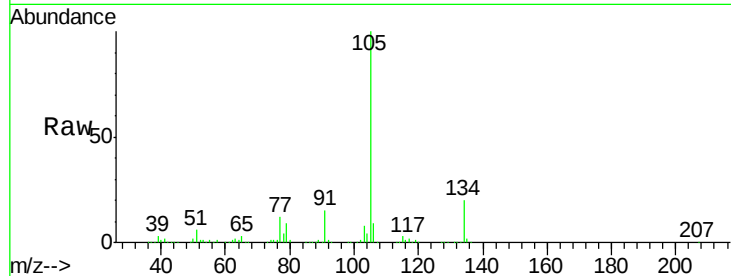
#81
 sec-Butylbenzene
 Concen: 21.140 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN054021.D
 Acq: 1 Mar 2019 11:23

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN030119

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.8	0.0	40.4

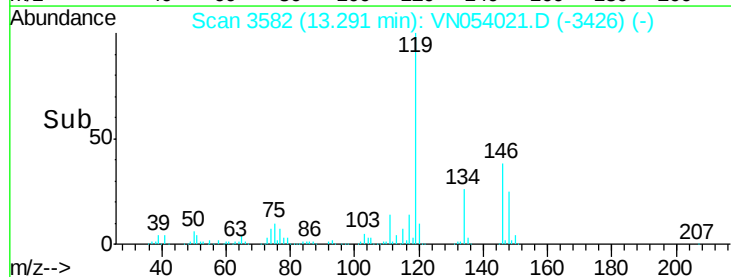
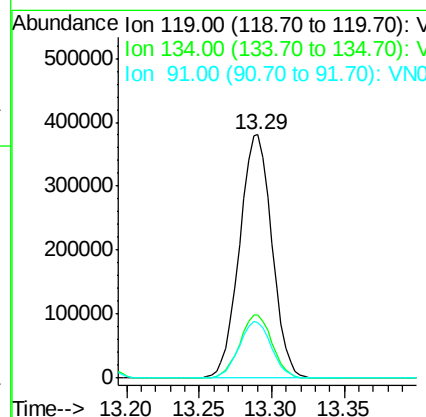
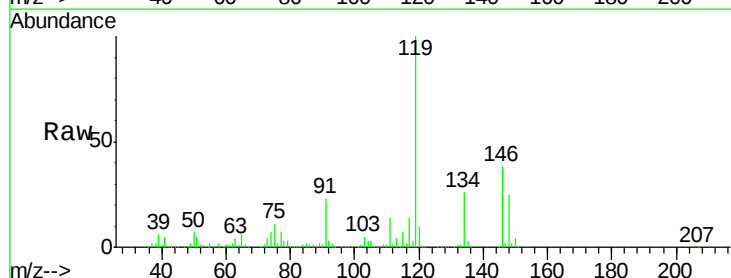
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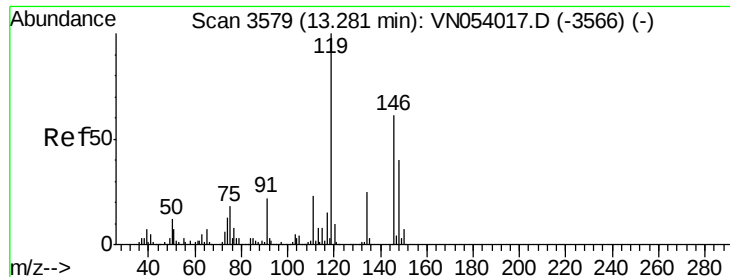
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 3/6/2019 10:23:34 AM



#82
 p-Isopropyltoluene
 Concen: 21.375 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN054021.D
 Acq: 1 Mar 2019 11:23

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	0.0	52.6
91	23.1	0.0	46.2





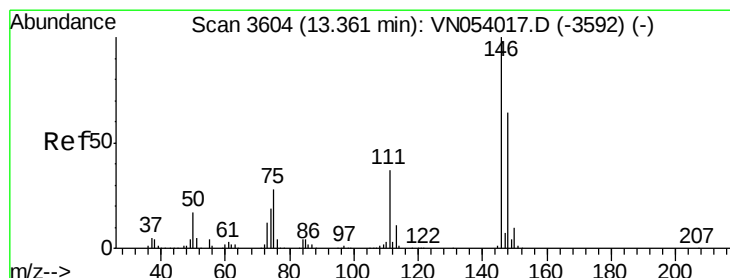
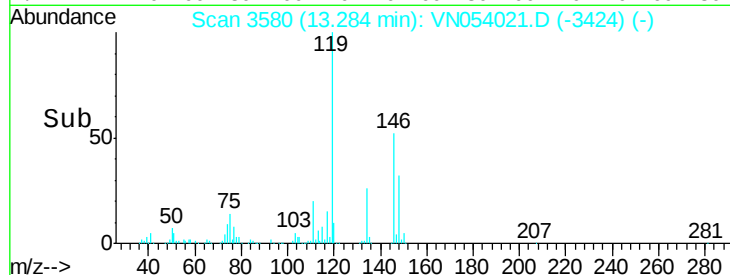
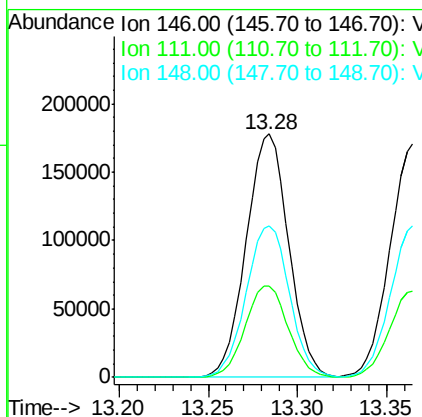
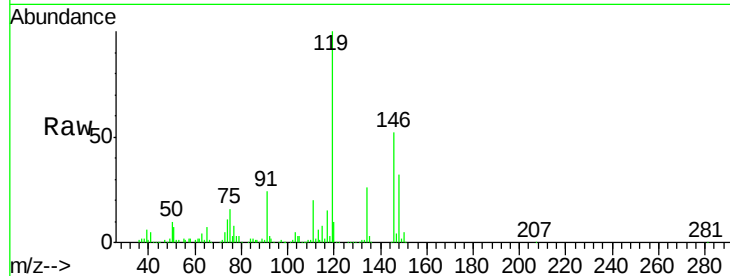
#83
 1,3-Dichlorobenzene
 Concen: 20.943 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054021.D
 Acq: 1 Mar 2019 11:23

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN030119

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.7	59.0
148	63.4	32.3	96.8

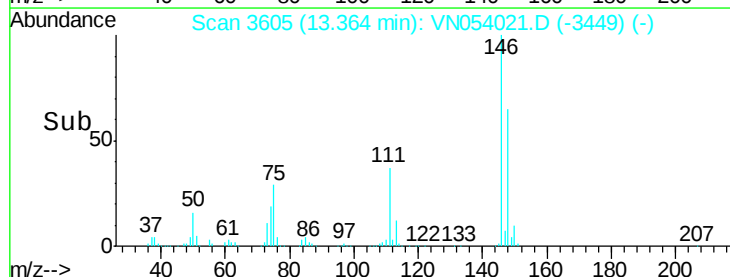
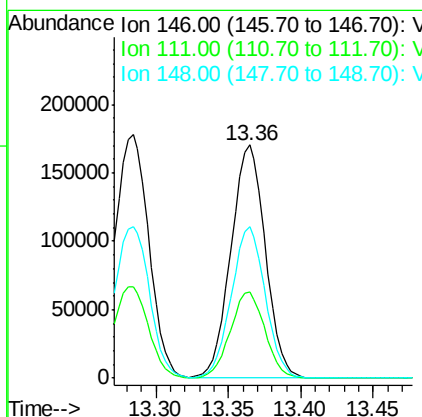
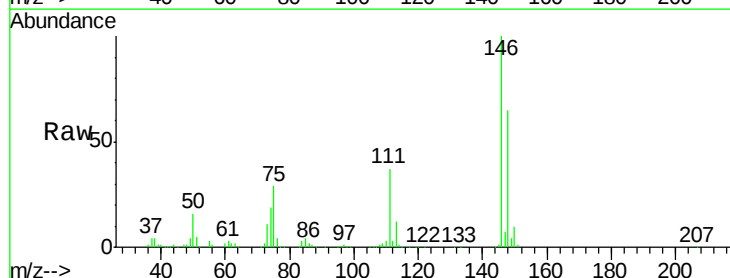
Manual Integrations
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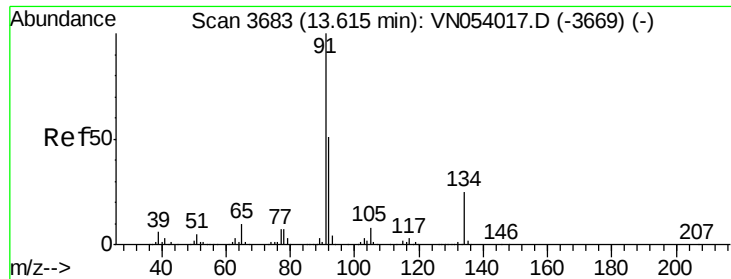
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 3/6/2019 10:23:34 AM



#84
 1,4-Dichlorobenzene
 Concen: 20.807 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054021.D
 Acq: 1 Mar 2019 11:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.8	56.3
148	64.0	32.5	97.4





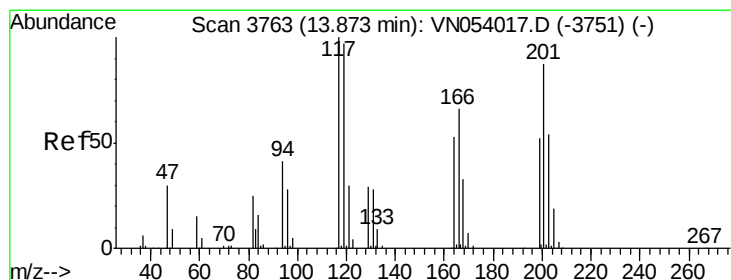
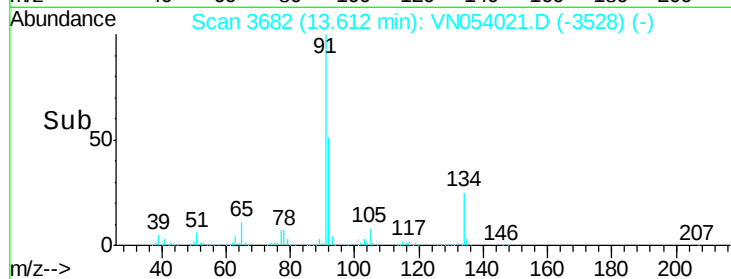
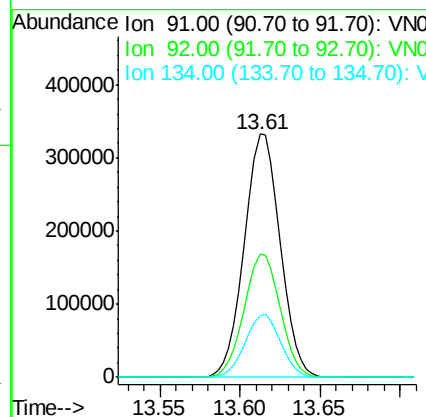
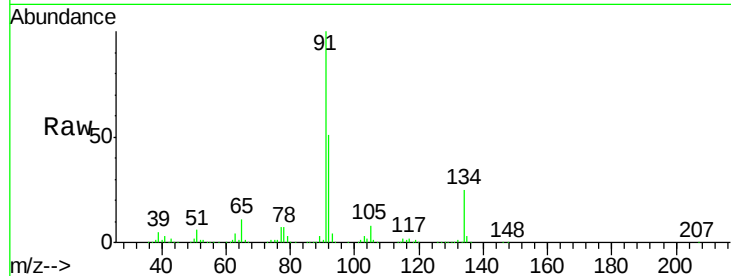
#85
n-Butylbenzene
Concen: 21.069 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN030119

Tot Ion	Ratio	Resp	Lower	Upper
91	100	508250		
92	51.0		0.0	104.2
134	25.5		0.0	50.6

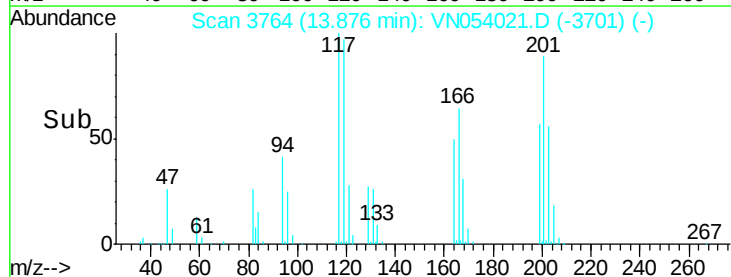
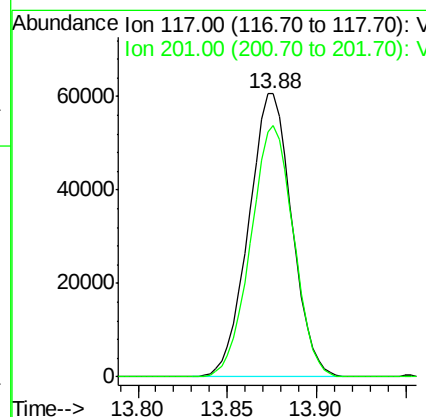
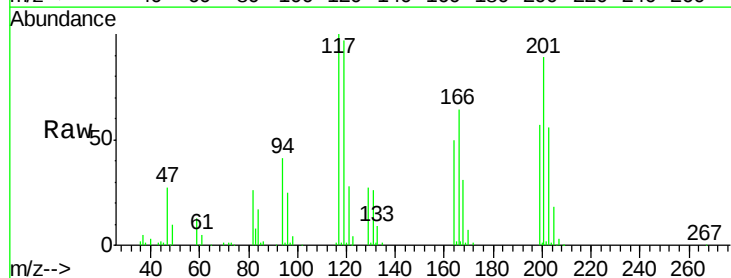
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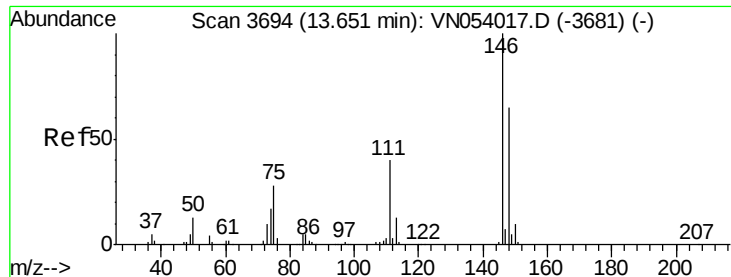
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#86
Hexachloroethane
Concen: 19.853 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054021.D
Acq: 1 Mar 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	102737		
201	87.7		43.8	131.3





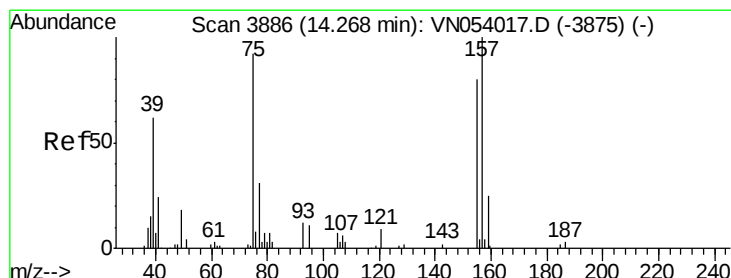
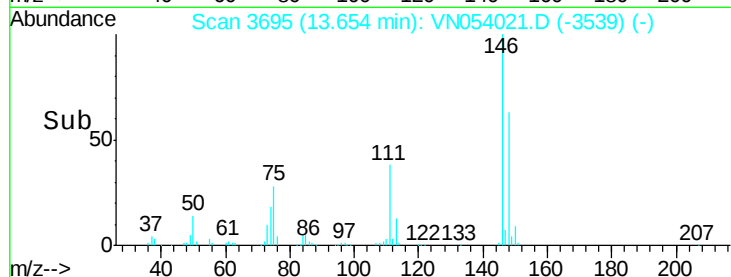
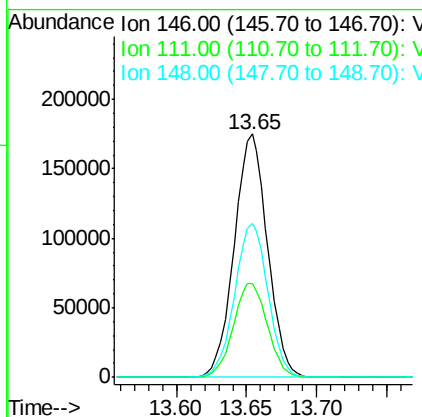
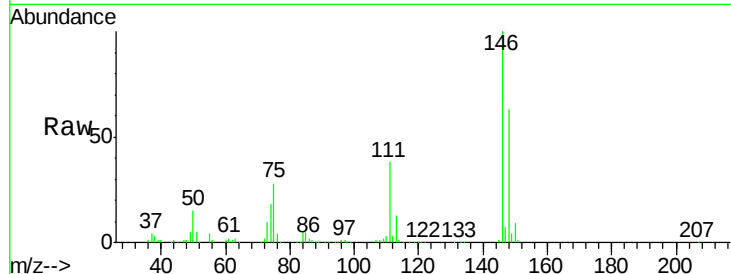
#87
 1,2-Dichlorobenzene
 Concen: 21.021 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054021.D
 Acq: 1 Mar 2019 11:23

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN030119

Tot Ion	Ratio	Resp	Lower	Upper
146	100	288686		
111	39.5	20.3	60.8	
148	63.6	32.1	96.5	

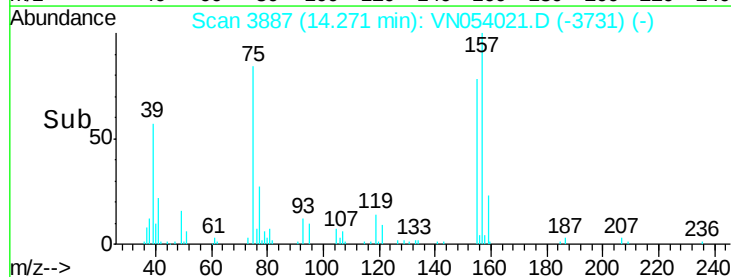
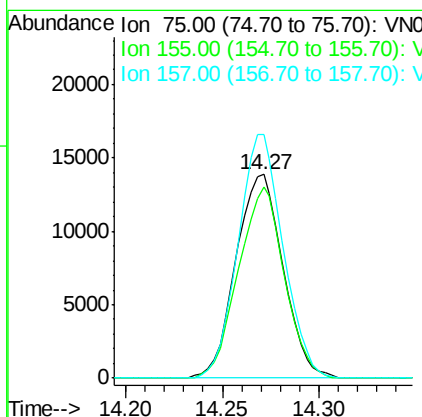
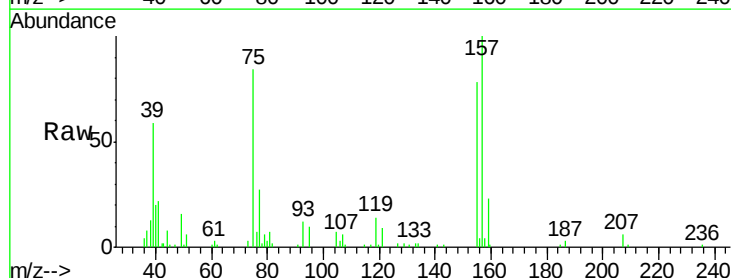
Manual Integrations
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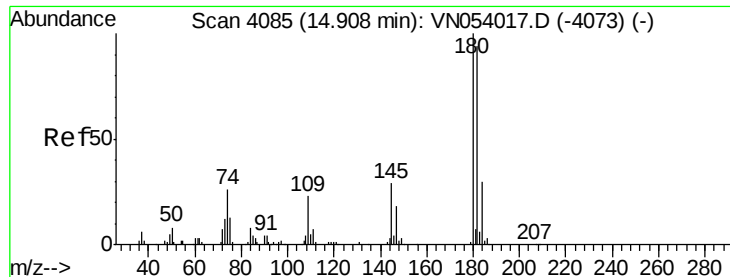
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 3/6/2019 10:23:34 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.662 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054021.D
 Acq: 1 Mar 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	23495		
155	91.1	72.2	108.2	
157	114.3	94.2	141.2	





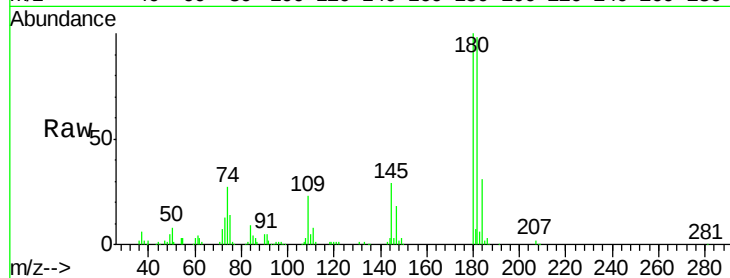
#89
 1,2,4-Trichlorobenzene
 Concen: 21.596 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054021.D
 Acq: 1 Mar 2019 11:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN030119

Tot Ion	Ratio	Resp	Lower	Upper
180	100	150668		
182	96.5	76.6	114.8	
145	29.4	23.6	35.4	

Manual Integrations
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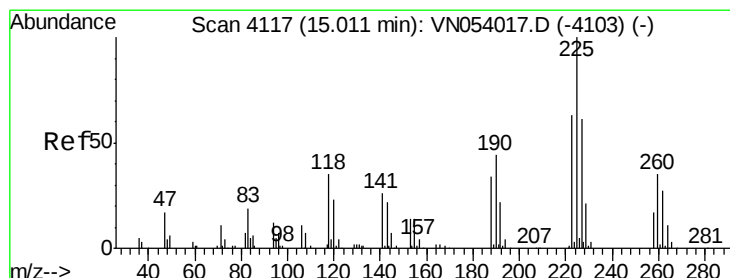
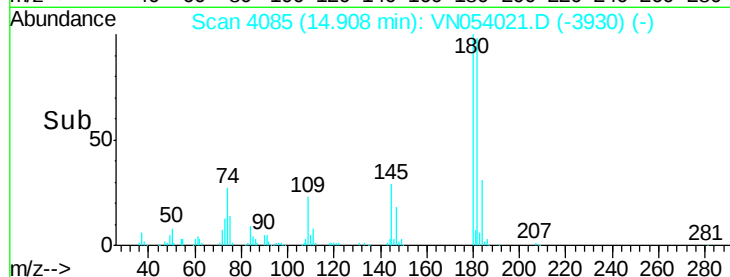
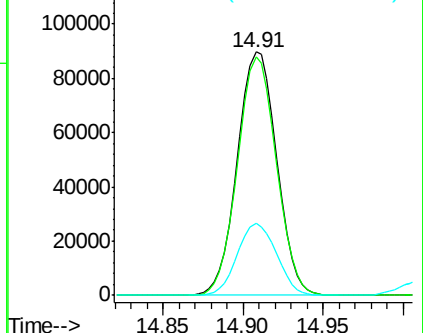


Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 22.523 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN054021.D
 Acq: 1 Mar 2019 11:23

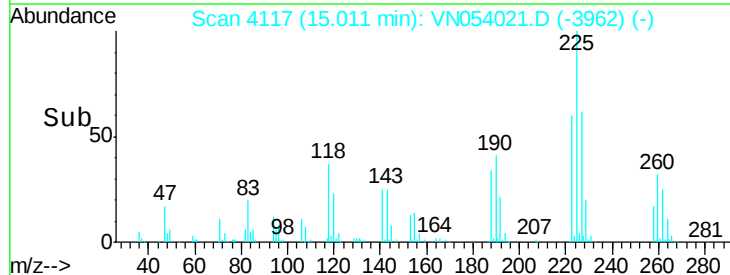
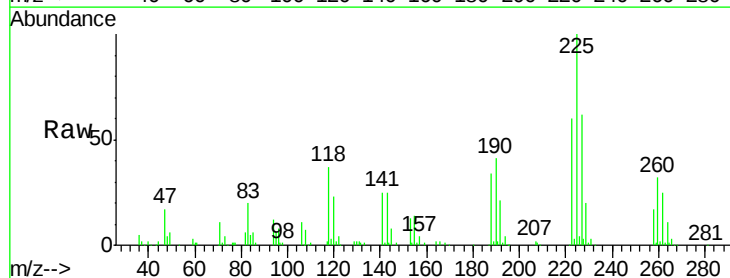
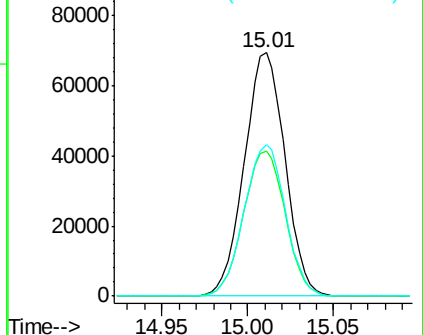
Tgt Ion	Ratio	Resp	Lower	Upper
225	100	114170		
223	61.1	0.0	125.6	
227	62.8	0.0	127.8	

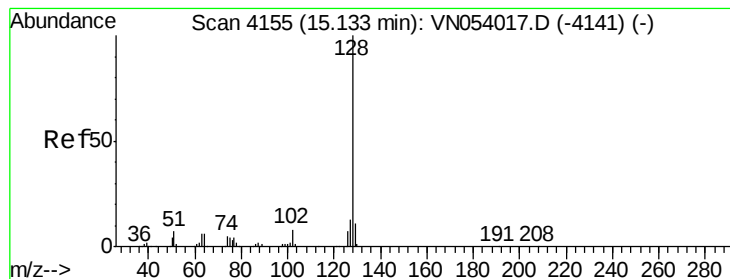
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 22.605 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Instrument :

MSVOA_N

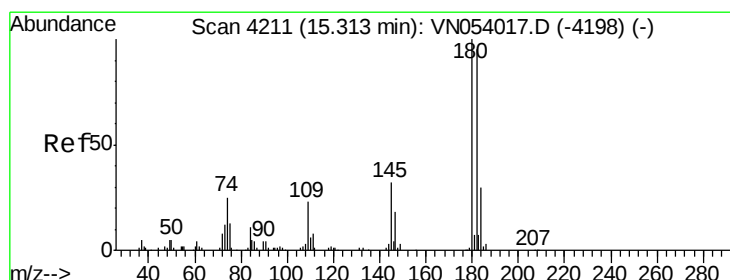
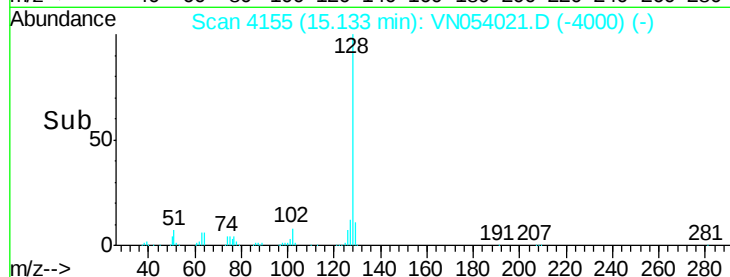
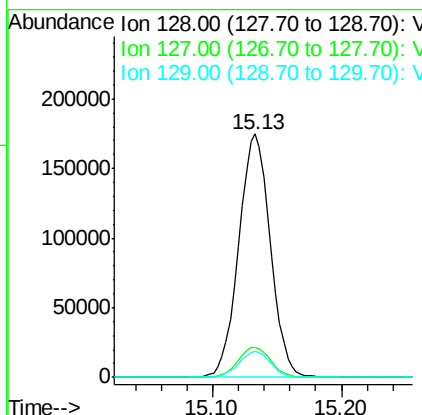
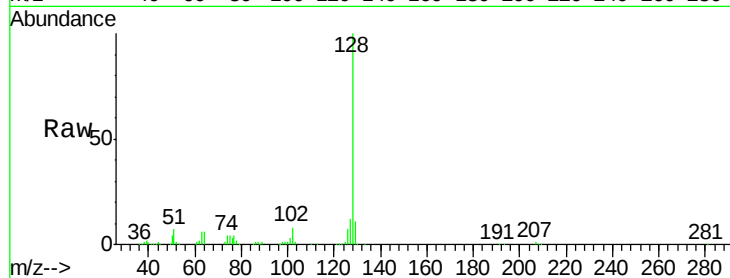
ClientSampleId :

ICVVN030119

Tot Ion:	128	Resp:	297751
Ion Ratio	Lower	Upper	
128	100		
127	12.8	9.9	14.9
129	10.6	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
3/6/2019 10:23:34 AM



#92

1,2,3-Trichlorobenzene

Concen: 21.912 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054021.D

Acq: 1 Mar 2019 11:23

Tgt Ion:	180	Resp:	150966
Ion Ratio	Lower	Upper	
180	100		
182	96.7	0.0	196.2
145	29.8	0.0	62.2

