

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041619\
 Data File : VN055084.D
 Acq On : 16 Apr 2019 17:45
 Operator : JC/SP
 Sample : VN0416WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBSD02

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 4:23:10 AM

Quant Time: Apr 17 03:10:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	383194	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	649726	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	557338	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	217933	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	261915	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
35) Dibromofluoromethane	7.59	113	209283	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
50) Toluene-d8	10.09	98	769089	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
62) 4-Bromofluorobenzene	12.40	95	247338	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	86967	19.970	ug/l	98
3) Chloromethane	2.06	50	114482	20.155	ug/l	98
4) Vinyl Chloride	2.19	62	95686	20.043	ug/l	99
5) Bromomethane	2.56	94	53391	19.768	ug/l	98
6) Chloroethane	2.71	64	53722	20.866	ug/l	93
7) Trichlorofluoromethane	3.02	101	118938	19.920	ug/l	100
8) Diethyl Ether	3.41	74	37101	19.467	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.75	101	61385	19.646	ug/l	98
10) Methyl Iodide	3.94	142	110274	22.742	ug/l	95
11) Tert butyl alcohol	4.82	59	28118	100.710	ug/l #	89
12) 1,1-Dichloroethene	3.73	96	59724	19.637	ug/l	95
13) Acrolein	3.61	56	28138	81.535	ug/l	99
14) Allyl chloride	4.31	41	149165	20.036	ug/l	100
15) Acrylonitrile	4.99	53	168563	100.909	ug/l	100
16) Acetone	3.82	43	110706	80.077	ug/l	96
17) Carbon Disulfide	4.04	76	187546	19.102	ug/l	98
18) Methyl Acetate	4.33	43	83547	20.712	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	225215	20.700	ug/l	97
20) Methylene Chloride	4.54	84	97619	20.086	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	82978	20.172	ug/l	91
22) Diisopropyl ether	5.96	45	322959	21.103	ug/l	98
23) Vinyl Acetate	5.90	43	1072543	106.025	ug/l	100
24) 1,1-Dichloroethane	5.85	63	169584	20.808	ug/l	99
25) 2-Butanone	6.85	43	198517	96.211	ug/l	99
26) 2,2-Dichloropropane	6.82	77	96179	18.698	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	95078	20.430	ug/l	99
28) Bromochloromethane	7.19	49	79056	20.123	ug/l	100
29) Tetrahydrofuran	7.22	42	134829	99.646	ug/l	99
30) Chloroform	7.37	83	163267	20.624	ug/l	99
31) Cyclohexane	7.65	56	154712	20.741	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	130289	20.773	ug/l	99
36) 1,1-Dichloropropene	7.79	75	114175	18.641	ug/l	100
37) Ethyl Acetate	6.94	43	83979	16.842	ug/l	99
38) Carbon Tetrachloride	7.77	117	107850	18.508	ug/l	99

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 Sample : VN0416WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0416WBSD02

Manual Integrations
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MMDadoda
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Quant Time: Apr 17 03:10:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	120774	18.197	ug/l	97
40) Benzene	8.04	78	363977	19.717	ug/l	100
41) Methacrylonitrile	7.18	41	50883	18.383	ug/l	95
42) 1,2-Dichloroethane	8.12	62	125682	19.610	ug/l	99
43) Isopropyl Acetate	8.17	43	148572	19.337	ug/l	99
44) Trichloroethene	8.83	130	93052	20.125	ug/l	97
45) 1,2-Dichloropropane	9.12	63	103068	20.021	ug/l	99
46) Dibromomethane	9.21	93	57905	19.761	ug/l	99
47) Bromodichloromethane	9.40	83	117057	19.376	ug/l	100
48) Methyl methacrylate	9.20	41	73908	19.407	ug/l	98
49) 1,4-Dioxane	9.20	88	15942	446.817	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	430631	97.014	ug/l	98
52) Toluene	10.15	92	212082	20.060	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	101763	19.275	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	130869	19.972	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	80132	19.672	ug/l	99
56) Ethyl methacrylate	10.43	69	96412	19.722	ug/l	99
57) 1,3-Dichloropropane	10.71	76	139809	20.159	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	176398	89.363	ug/l	98
59) 2-Hexanone	10.75	43	260554	93.455	ug/l	98
60) Dibromochloromethane	10.90	129	77922	19.590	ug/l	98
61) 1,2-Dibromoethane	11.00	107	73966	19.728	ug/l	98
64) Tetrachloroethene	10.63	164	84395	18.622	ug/l	95
65) Chlorobenzene	11.43	112	221445	19.739	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	82183	19.917	ug/l	100
67) Ethyl Benzene	11.51	91	387473	19.340	ug/l	99
68) m/p-Xylenes	11.62	106	286934	39.551	ug/l	100
69) o-Xylene	11.95	106	140908	20.053	ug/l	100
70) Styrene	11.96	104	230873	20.298	ug/l	98
71) Bromoform	12.13	173	46123	19.502	ug/l #	99
73) Isopropylbenzene	12.25	105	372600	19.267	ug/l	99
74) N-amyl acetate	12.07	43	108783	19.983	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	97804	18.900	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	77849m	19.865	ug/l	
77) Bromobenzene	12.53	156	92433	19.172	ug/l	98
78) n-propylbenzene	12.59	91	395777	18.942	ug/l	100
79) 2-Chlorotoluene	12.67	91	252185	19.351	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	303074	19.420	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	19267	19.660	ug/l	94
82) 4-Chlorotoluene	12.77	91	235497	19.368	ug/l	98
83) tert-Butylbenzene	12.99	119	254983	19.346	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	291954	19.740	ug/l	100
85) sec-Butylbenzene	13.17	105	325603	19.388	ug/l	100
86) p-Isopropyltoluene	13.29	119	278429	19.324	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	142689	19.471	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	139245	19.926	ug/l	98
89) n-Butylbenzene	13.61	91	201741	18.861	ug/l	99
90) Hexachloroethane	13.87	117	44220	18.862	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	145736	19.766	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12624	19.811	ug/l	97

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD02

Manual Integrations
APPROVED

MMDadoda
4/17/2019 4:23:10 AM

Quant Time: Apr 17 03:10:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
Quant Title : SW846 8260
QLast Update : Mon Apr 15 12:28:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	53463	17.817	ug/l	100
94) Hexachlorobutadiene	15.01	225	43865	19.262	ug/l	100
95) Naphthalene	15.13	128	115600	16.954	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	55486	19.507	ug/l	99

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

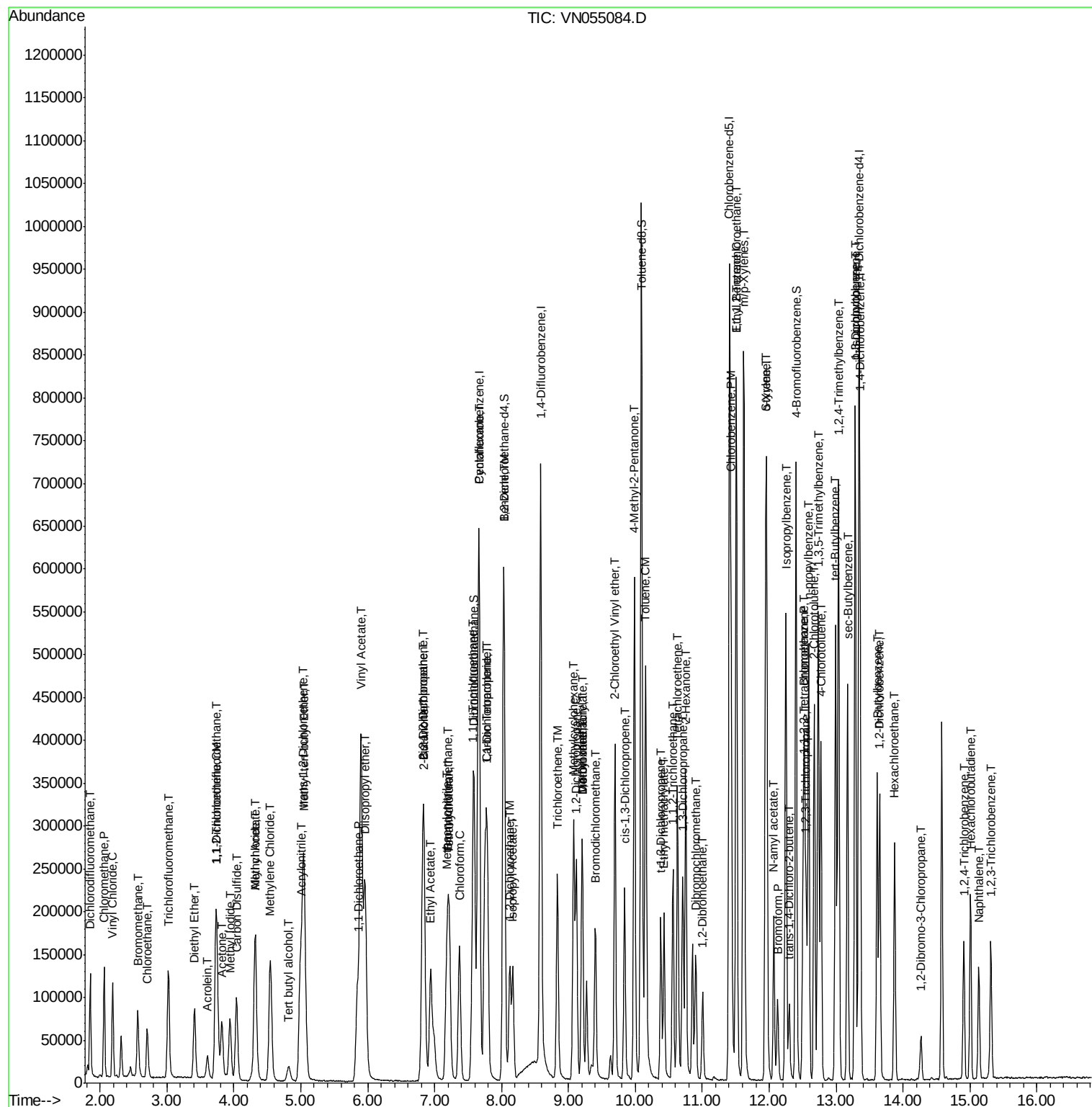
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Data File : VN055084.D
Acq On : 16 Apr 2019 17:45
Operator : JC/SP
Sample : VN0416WBSD02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 19 Sample Multiplier: 1

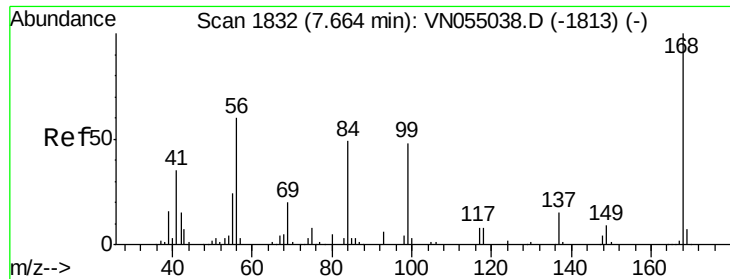
Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD02

Manual Integrations
APPROVED

MMDadoda
4/17/2019 4:23:10 AM

Quant Time: Apr 17 03:10:40 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
Quant Title : SW846 8260
QLast Update : Mon Apr 15 12:28:28 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBSD02

Tot Ion:168 Resp: 383194

Ion Ratio Lower Upper

168 100

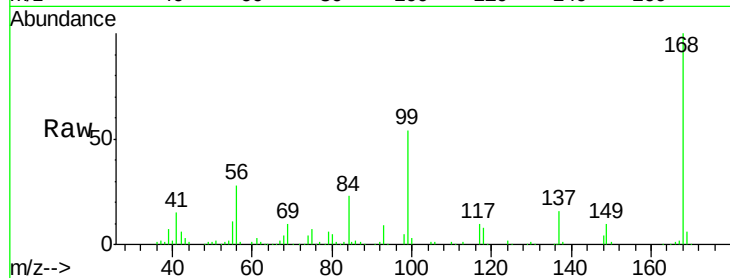
99 53.1 41.9 62.9

Manual Integrations

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4/17/2019 4:23:10 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

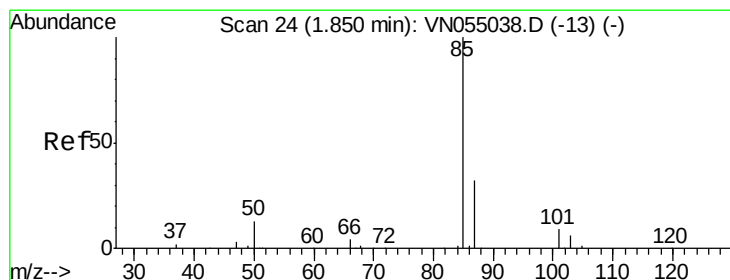
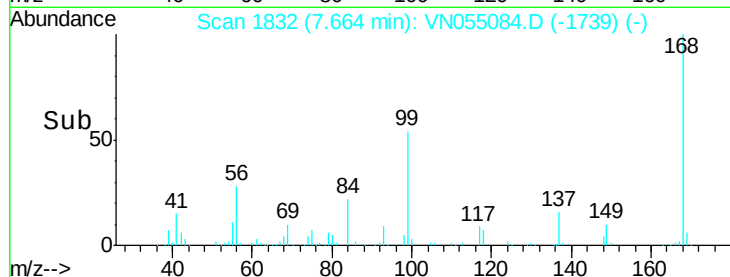
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.970 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055084.D

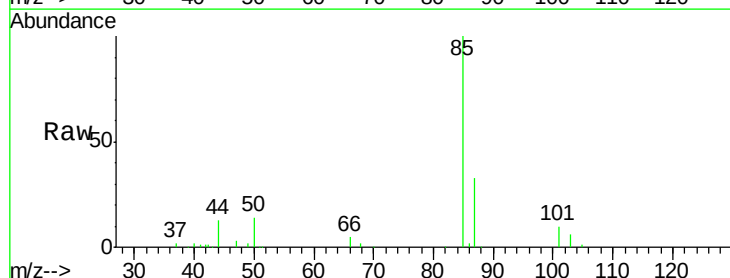
Acq: 16 Apr 2019 17:45

Tgt Ion: 85 Resp: 86967

Ion Ratio Lower Upper

85 100

87 33.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

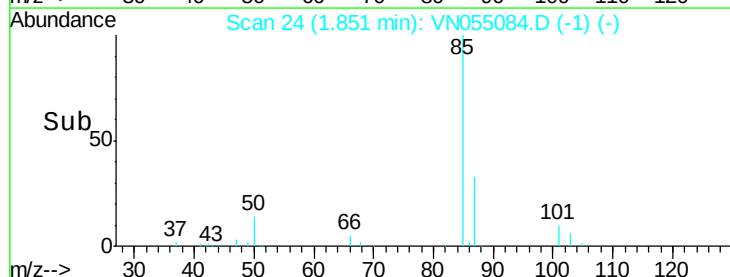
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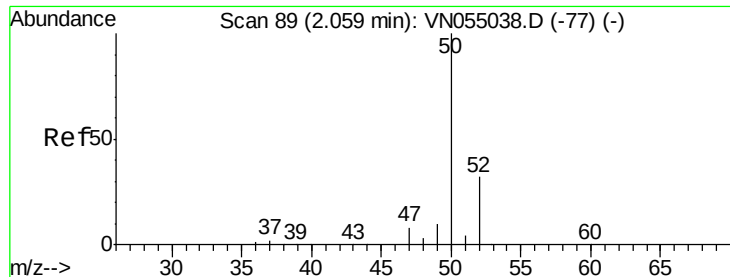
40000

20000

0

Time-->





#3

Chloromethane

Concen: 20.155 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBSD02

Tot Ion: 50 Resp: 114482

Ion Ratio Lower Upper

50 100

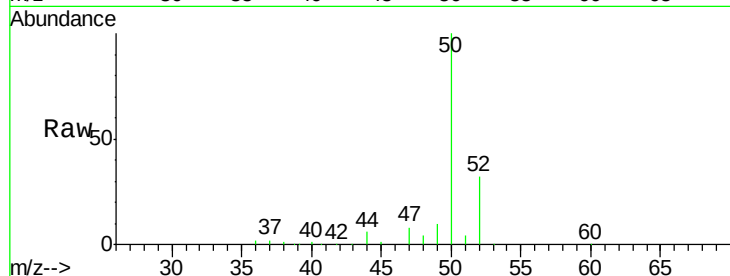
52 32.2 26.6 40.0

Manual Integrations

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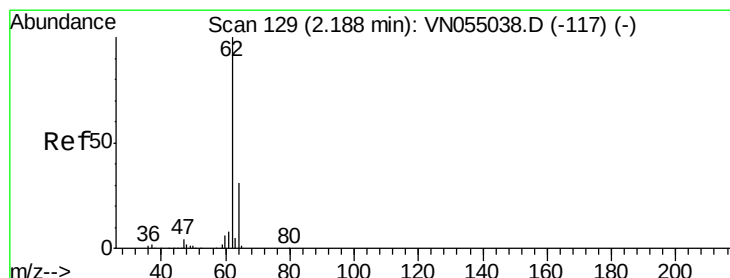
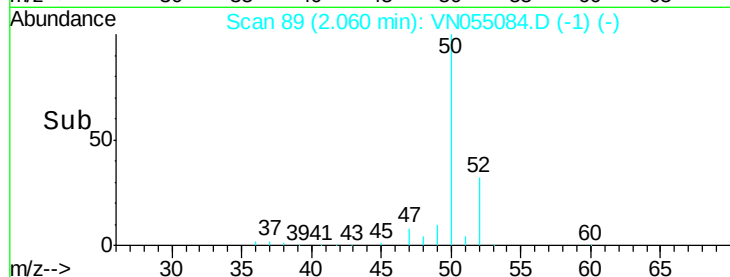
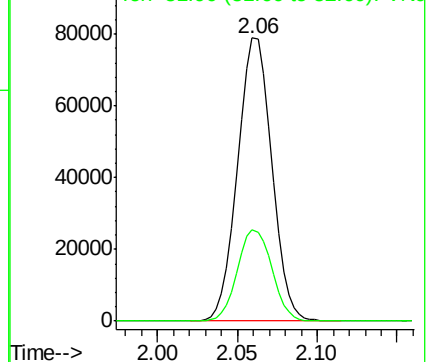
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 20.043 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055084.D

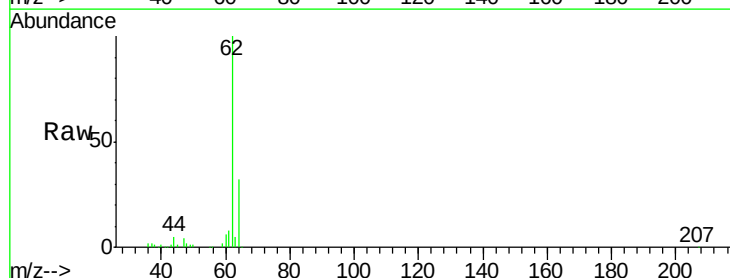
Acq: 16 Apr 2019 17:45

Tgt Ion: 62 Resp: 95686

Ion Ratio Lower Upper

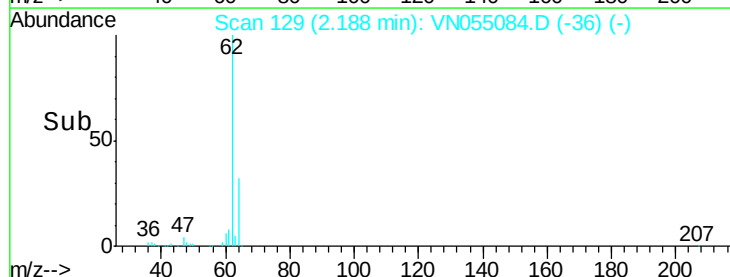
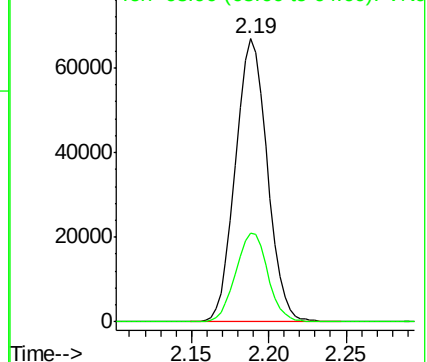
62 100

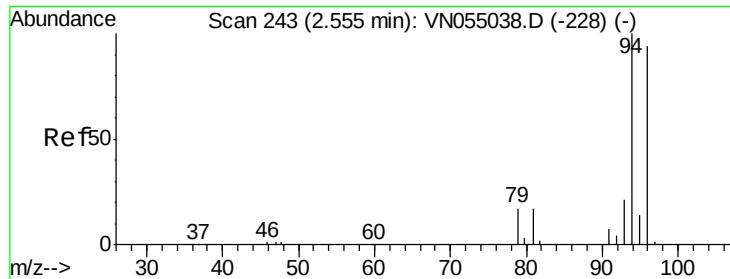
64 31.6 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 19.768 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.01 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBSD02

Tot Ion: 94 Resp: 53391

Ion Ratio Lower Upper

94 100

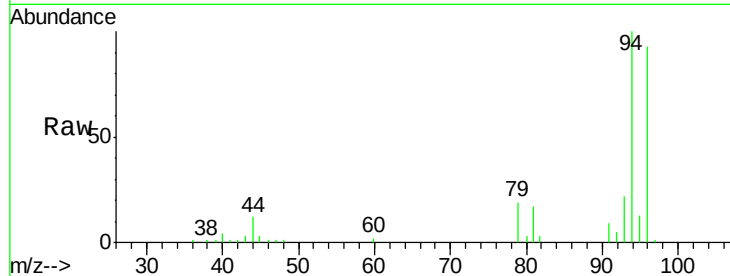
96 93.2 76.2 114.4

Manual Integrations

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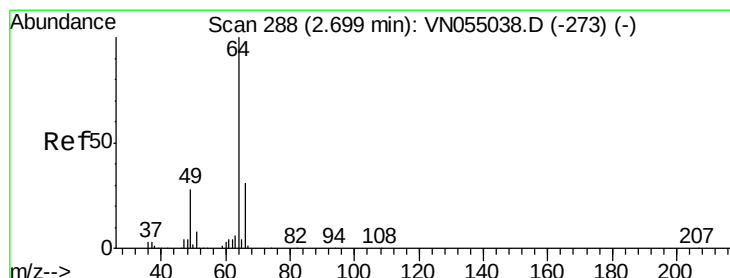
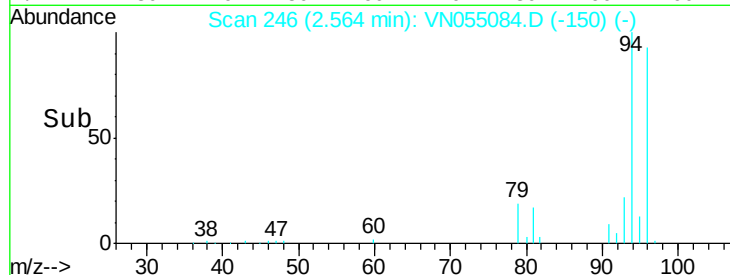
Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

2.55 2.60 2.65

Time-->



#6

Chloroethane

Concen: 20.866 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN055084.D

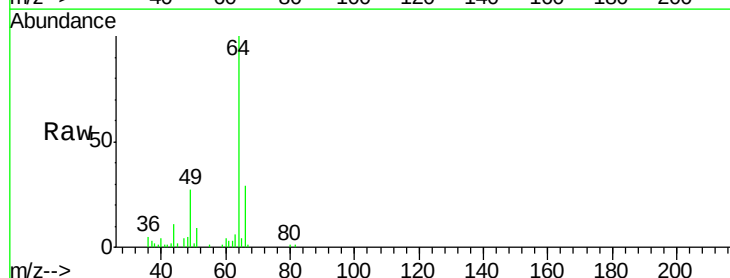
Acq: 16 Apr 2019 17:45

Tgt Ion: 64 Resp: 53722

Ion Ratio Lower Upper

64 100

66 29.2 26.6 40.0



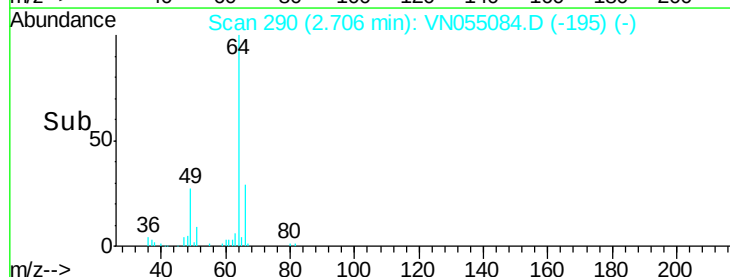
Abundance Ion 63.90 (63.60 to 64.60): VN0

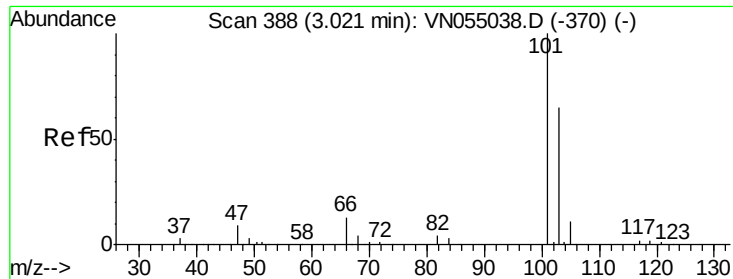
Ion 65.90 (65.60 to 66.60): VN0

2.71

2.60 2.65 2.70 2.75 2.80

Time-->





#7

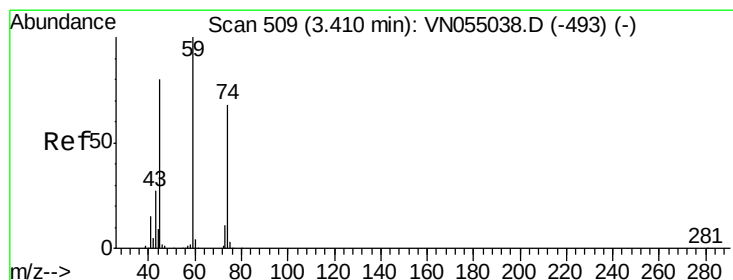
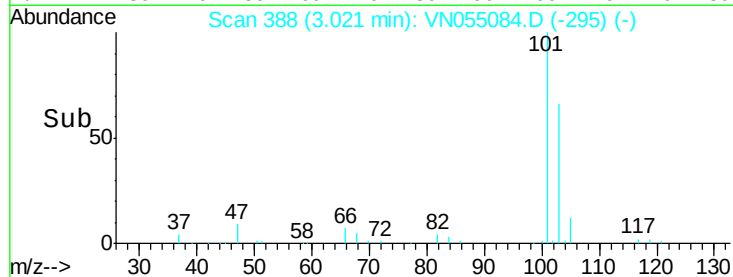
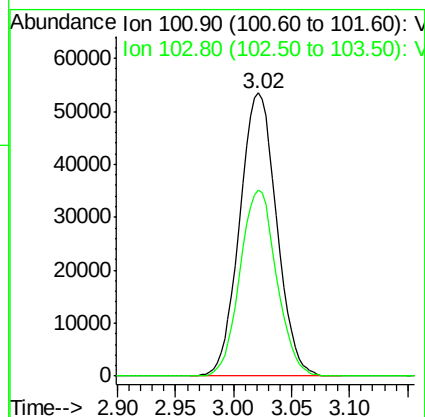
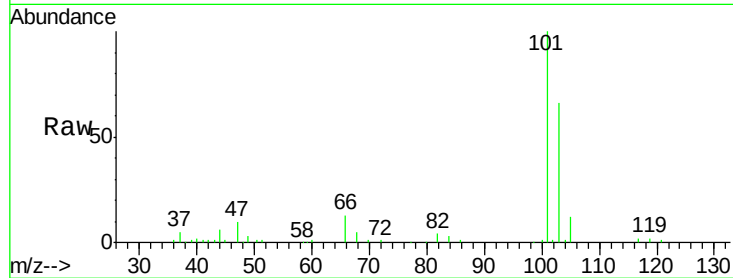
Trichlorofluoromethane
Concen: 19.920 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD02

Tot Ion:101 Resp: 118938
Ion Ratio Lower Upper
101 100
103 65.7 52.5 78.7

Manual Integrations
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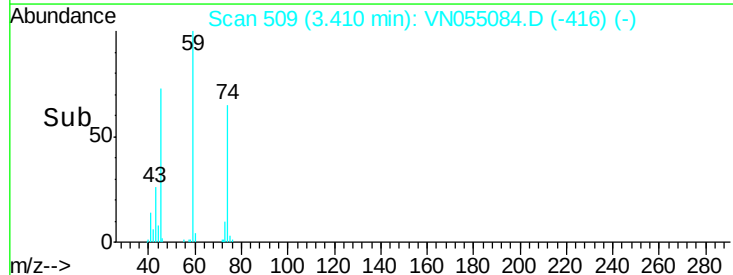
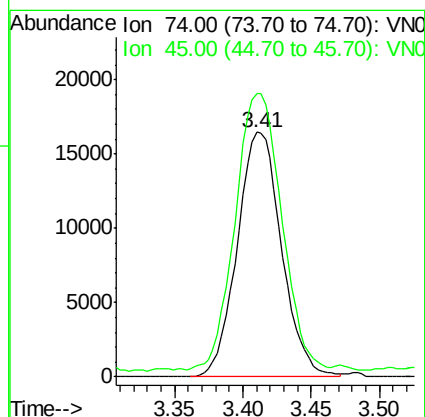
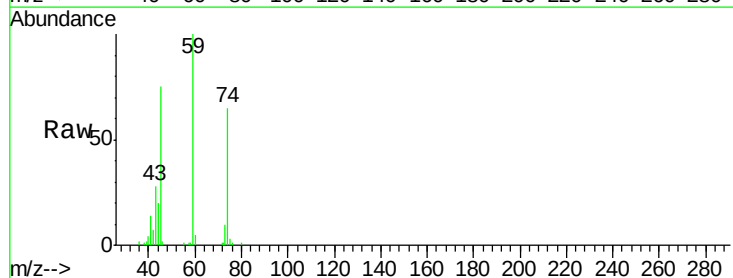
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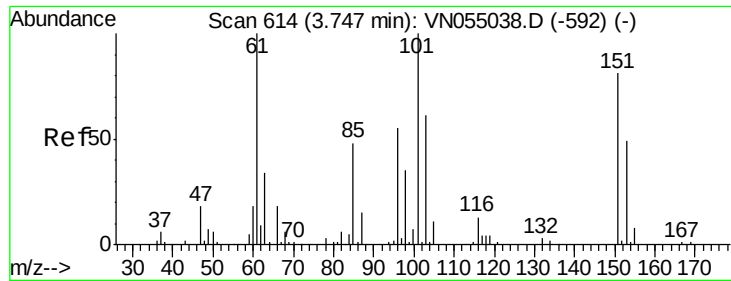


#8

Diethyl Ether
Concen: 19.467 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Tgt Ion: 74 Resp: 37101
Ion Ratio Lower Upper
74 100
45 117.9 55.7 167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.646 ug/l

RT: 3.75 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Instrument :

MSVOA_N

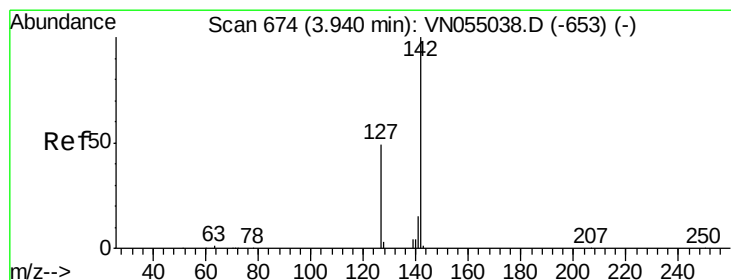
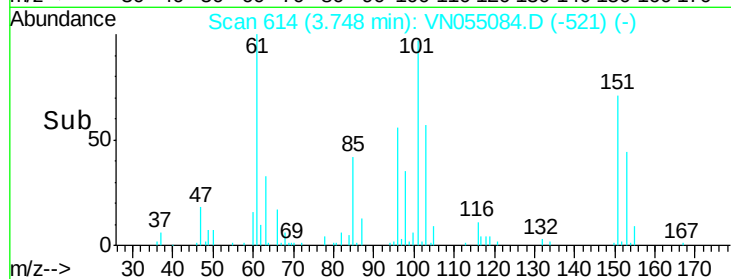
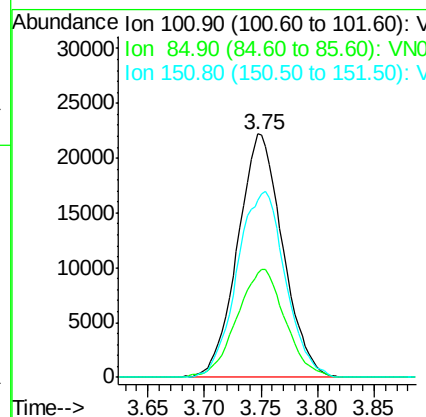
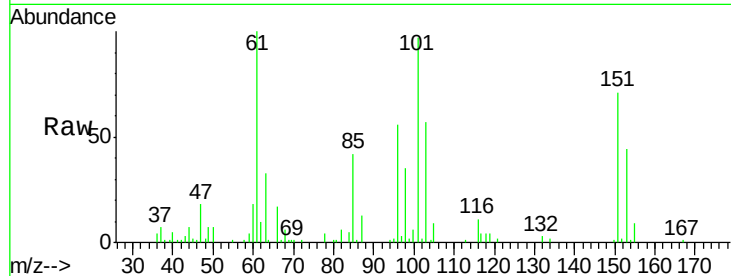
ClientSampleId :

VN0416WBSD02

Tot Ion:	101	Resp:	61385
Ion Ratio	Lower	Upper	
101	100		
85	47.3	36.9	55.3
151	81.9	64.4	96.6

Manual Integrations
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#10

Methyl Iodide

Concen: 22.742 ug/l

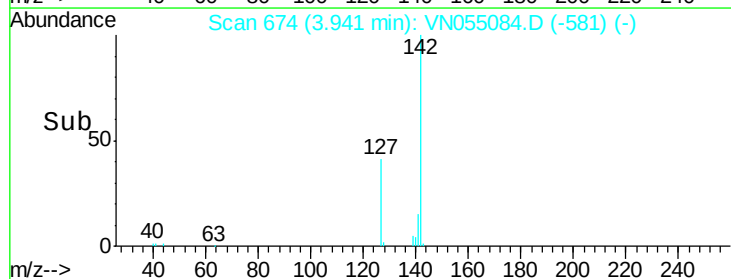
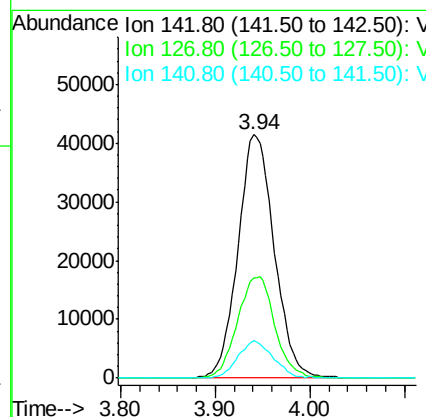
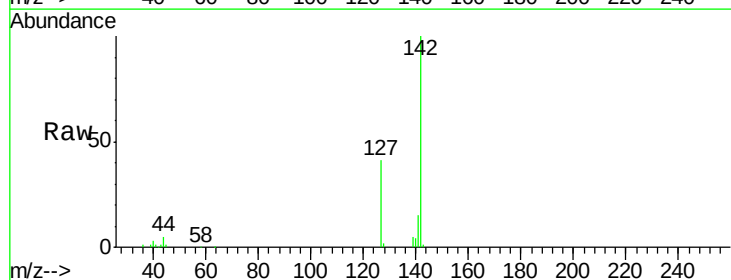
RT: 3.94 min Scan# 674

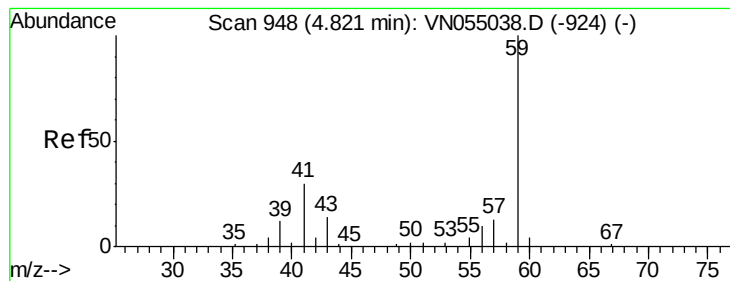
Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Tgt Ion:	142	Resp:	110274
Ion Ratio	Lower	Upper	
142	100		
127	42.8	37.9	56.9
141	15.0	11.8	17.8





#11

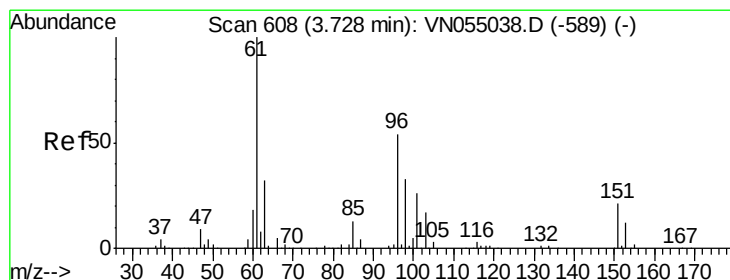
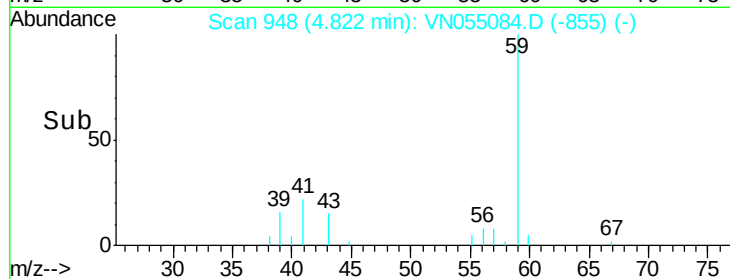
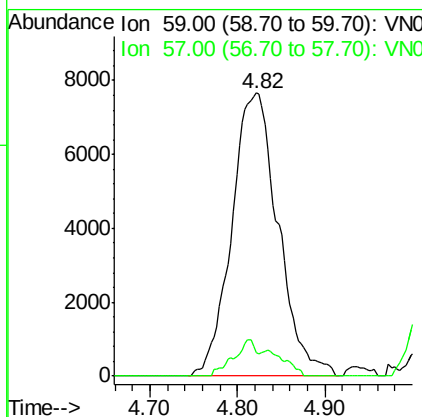
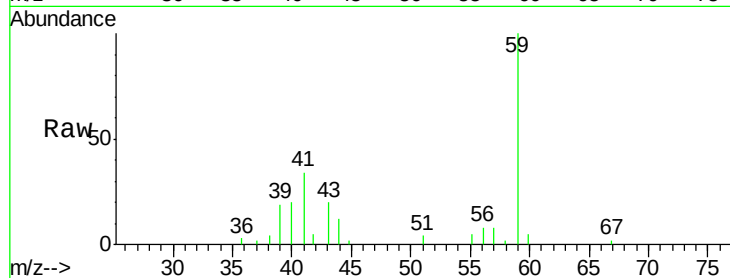
Tert butyl alcohol
Concen: 100.710 ug/l
RT: 4.82 min Scan# 948
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
59	100	28118		
57	6.4	8.3	12.5#	

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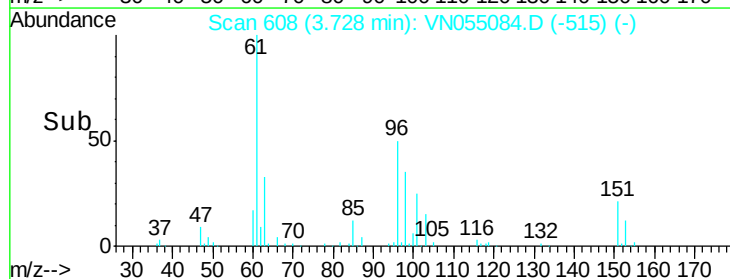
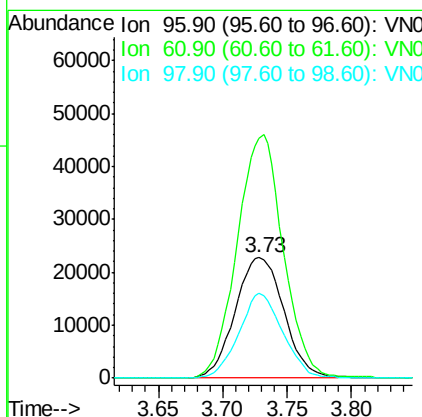
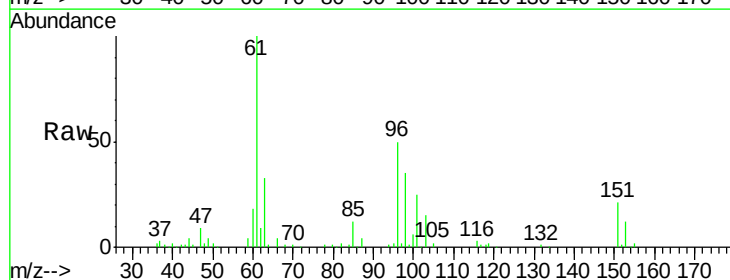
MMDadoda
4/17/2019 4:23:10 AM

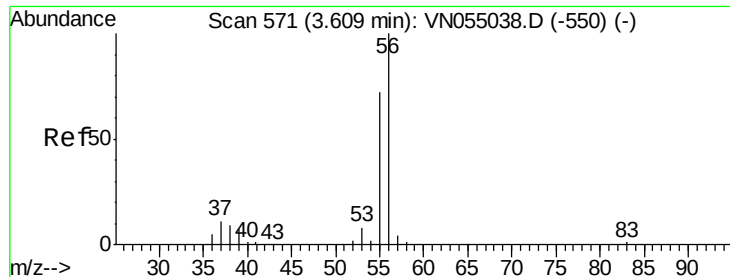


#12

1,1-Dichloroethene
Concen: 19.637 ug/l
RT: 3.73 min Scan# 608
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	59724		
61	199.7	154.2	231.4	
98	70.3	52.9	79.3	





#13

Acrolein

Concen: 81.535 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBSD02

Tot Ion: 56 Resp: 28138

Ion Ratio Lower Upper

56 100

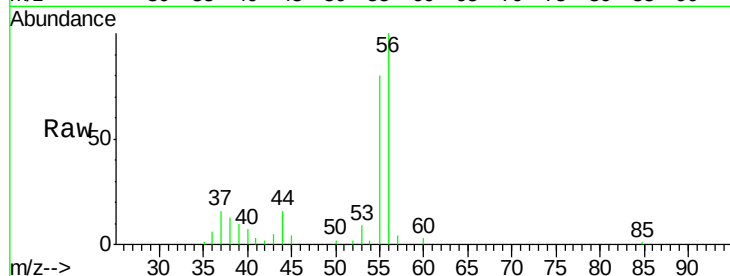
55 73.4 59.5 89.3

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12000

10000

8000

6000

4000

2000

0

3.50

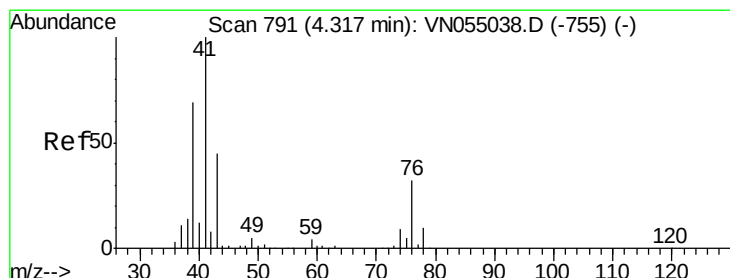
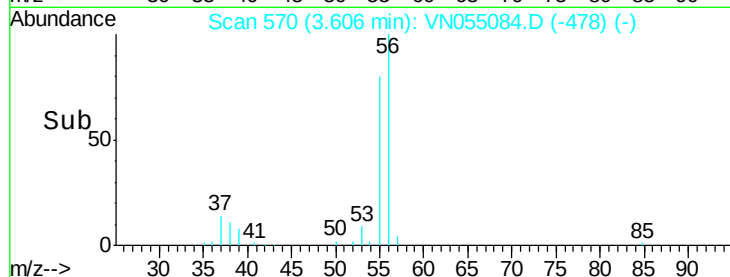
3.55

3.60

3.65

3.70

Time-->



#14

Allyl chloride

Concen: 20.036 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

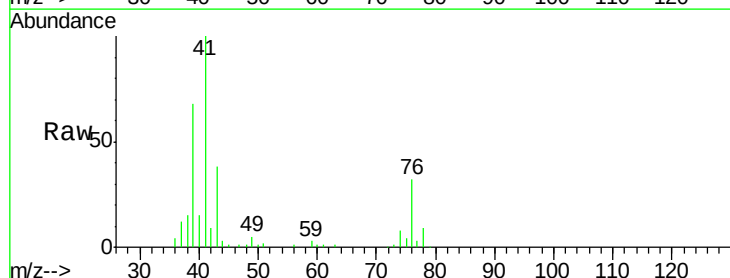
Tgt Ion: 41 Resp: 149165

Ion Ratio Lower Upper

41 100

39 66.1 52.7 79.1

76 29.6 23.2 34.8



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

60000

40000

20000

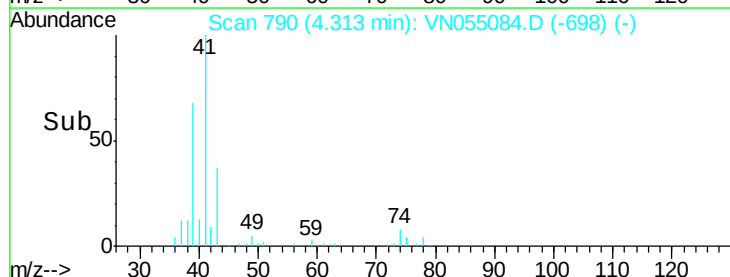
0

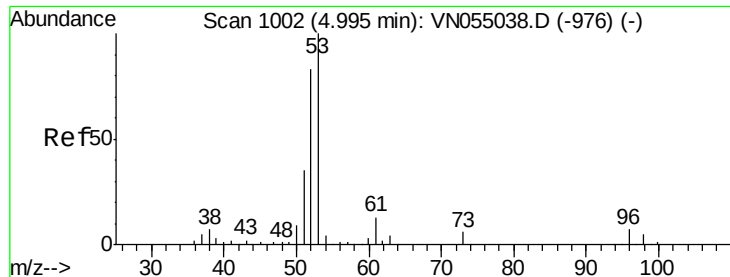
4.20

4.30

4.40

Time-->





#15

Acrylonitrile

Concen: 100.909 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Instrument :

MSVOA_N

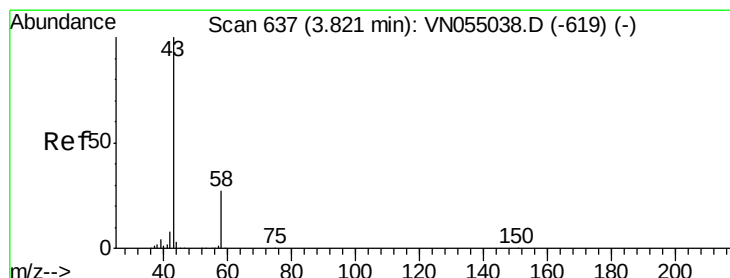
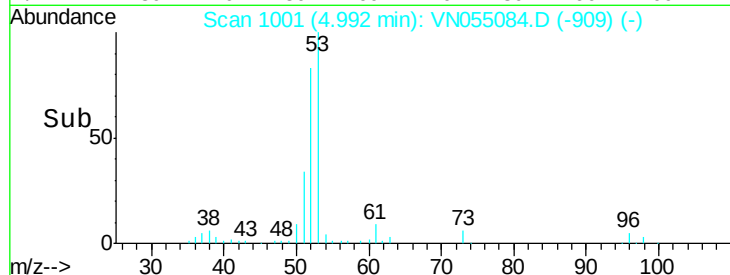
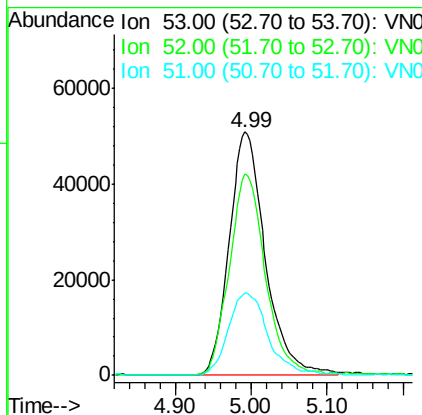
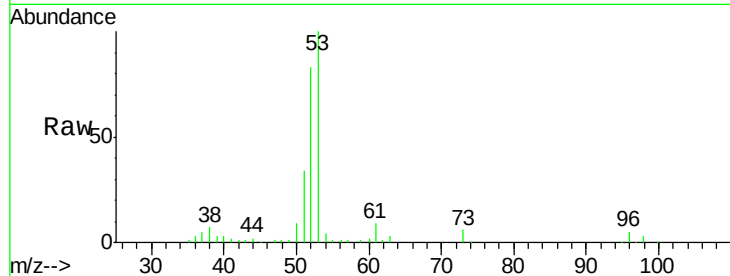
ClientSampleId :

VN0416WBSD02

Tot Ion:	53	Resp:	168563
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.9	98.9
51	37.3	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 80.077 ug/l

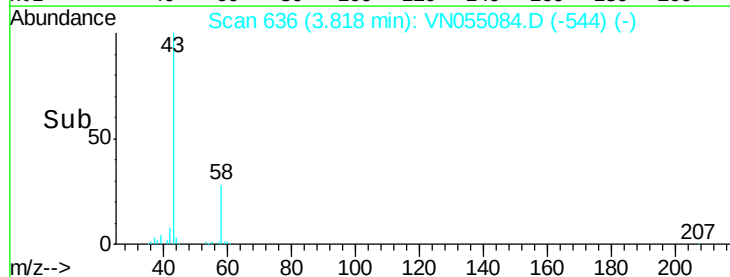
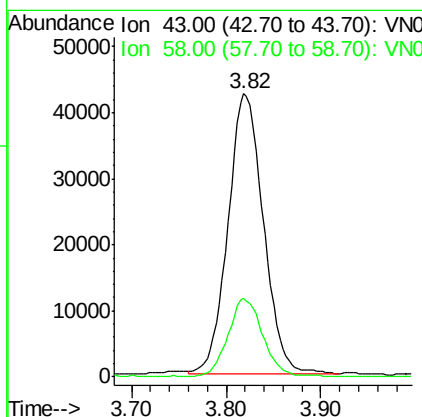
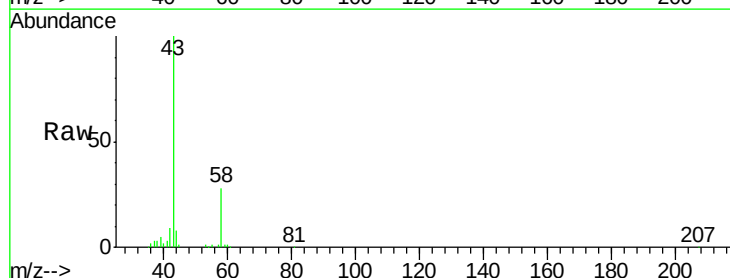
RT: 3.82 min Scan# 636

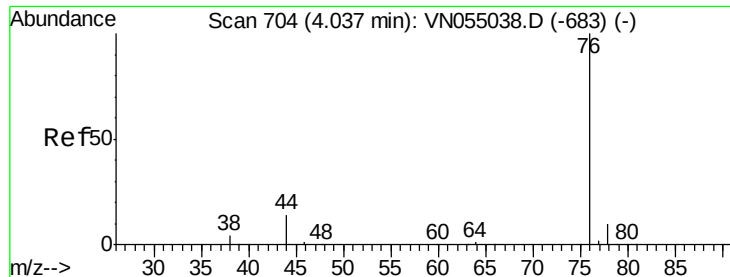
Delta R.T. -0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Tgt Ion:	43	Resp:	110706
Ion	Ratio	Lower	Upper
43	100		
58	28.1	20.9	31.3





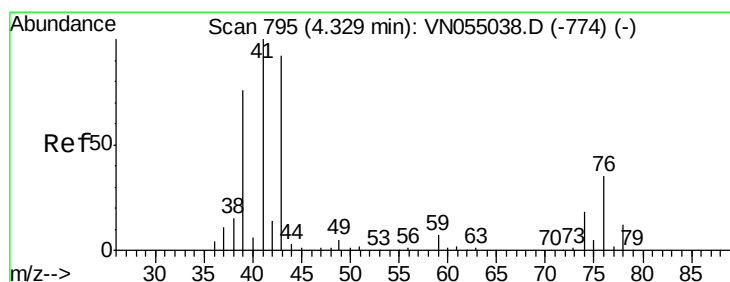
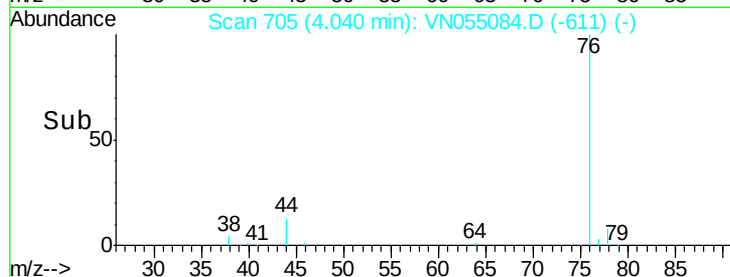
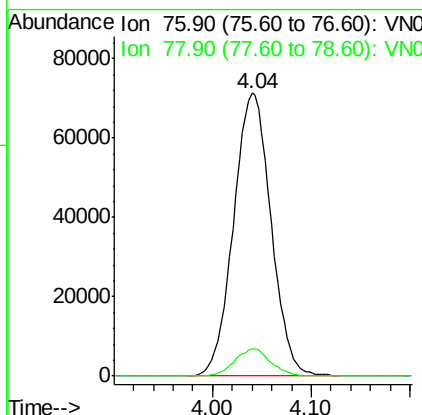
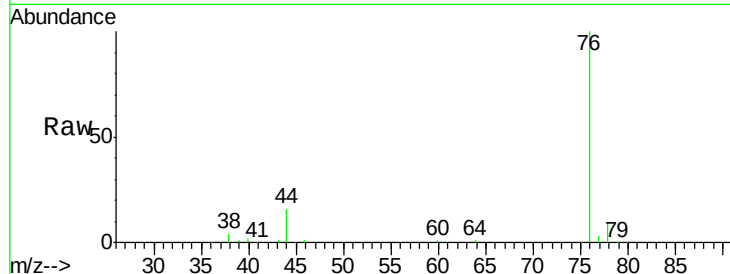
#17
Carbon Disulfide
Concen: 19.102 ug/l
RT: 4.04 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.2	10.8

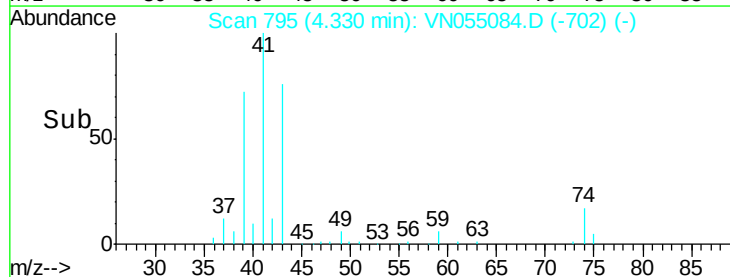
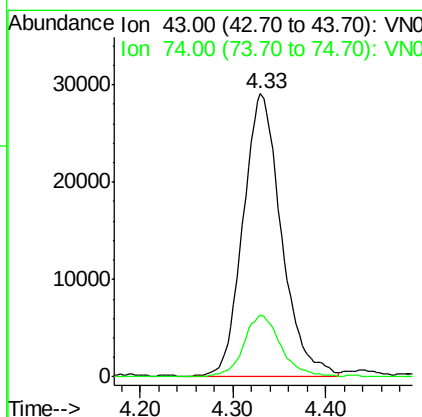
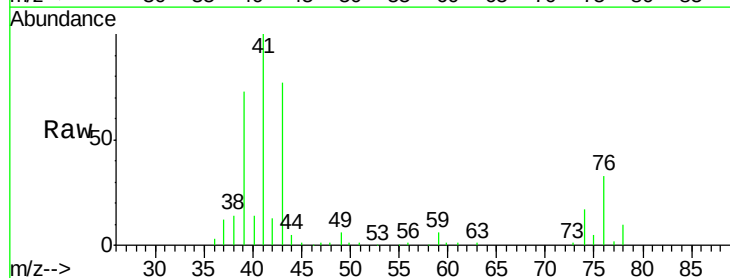
Manual Integrations
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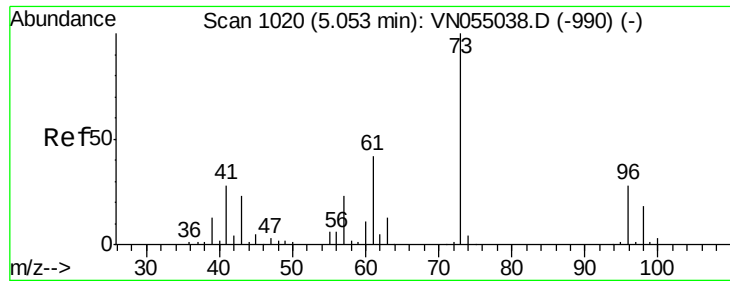
MMDadoda
4/17/2019 4:23:10 AM



#18
Methyl Acetate
Concen: 20.712 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.3	16.1	24.1





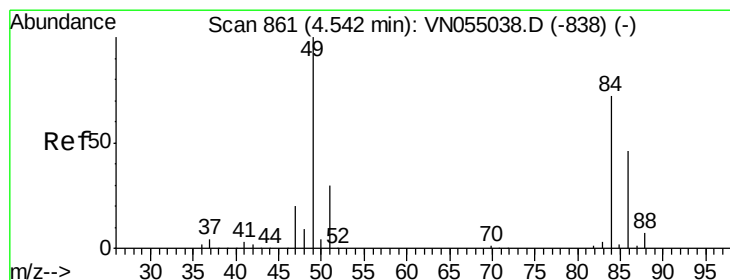
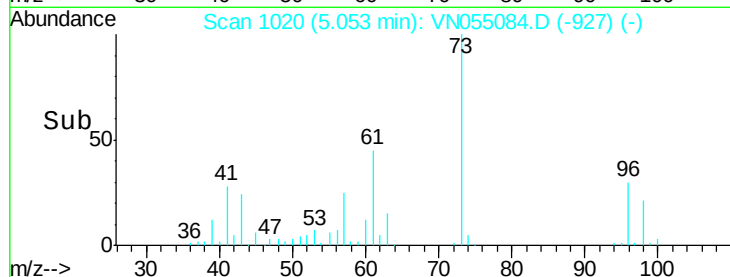
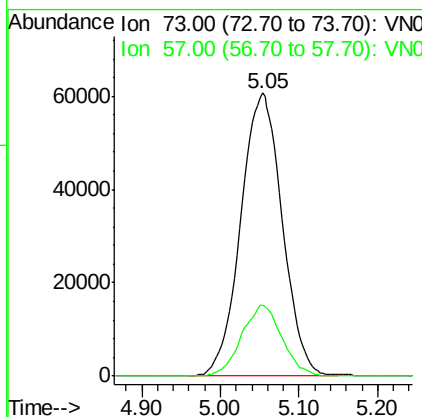
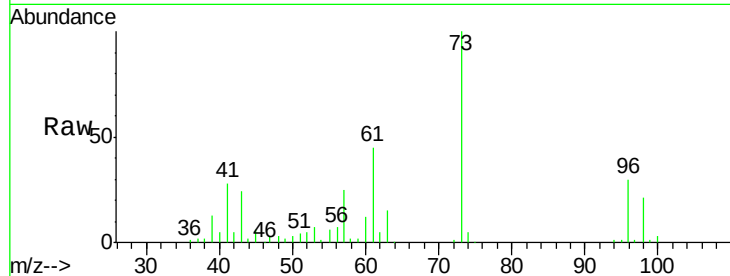
#19
Methyl tert-butyl Ether
Concen: 20.700 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Instrument :
MSVOA_N
ClientSampled :
VN0416WBSD02

Tot Ion: 73 Resp: 225215
Ion Ratio Lower Upper
73 100
57 25.2 19.0 28.4

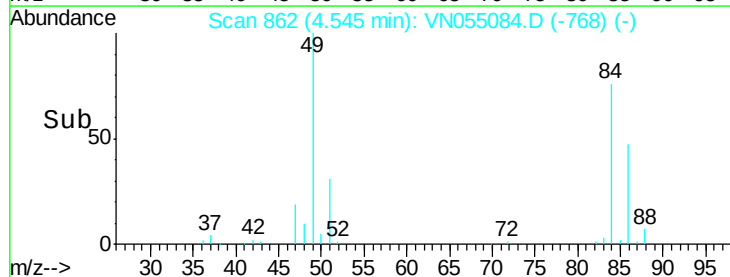
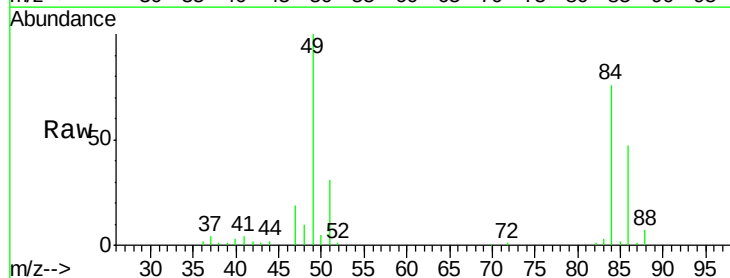
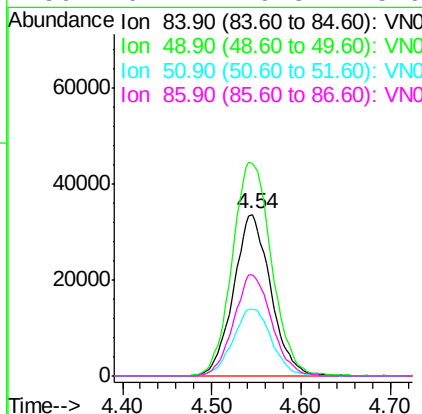
Manual Integrations
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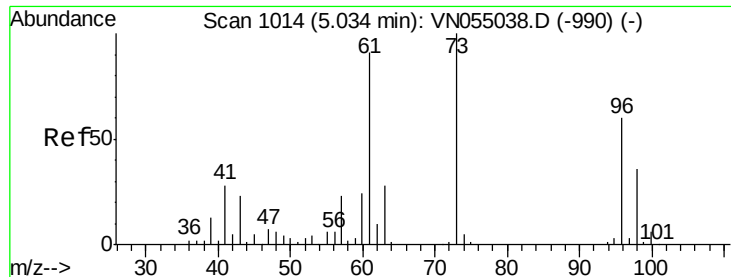
MMDadoda
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#20
Methylene Chloride
Concen: 20.086 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Tgt Ion: 84 Resp: 97619
Ion Ratio Lower Upper
84 100
49 131.6 109.4 164.2
51 41.0 32.2 48.4
86 62.4 49.3 73.9





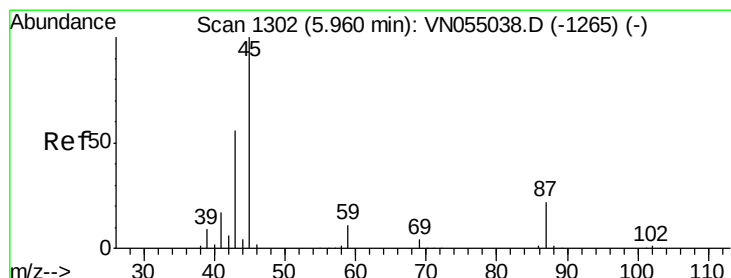
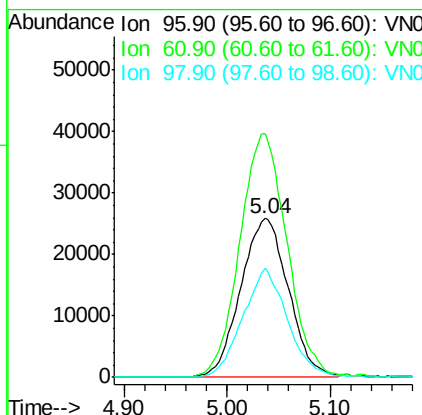
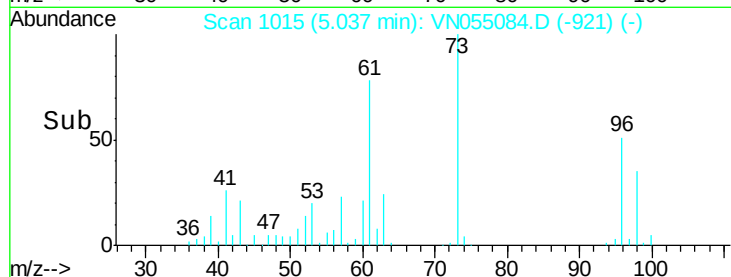
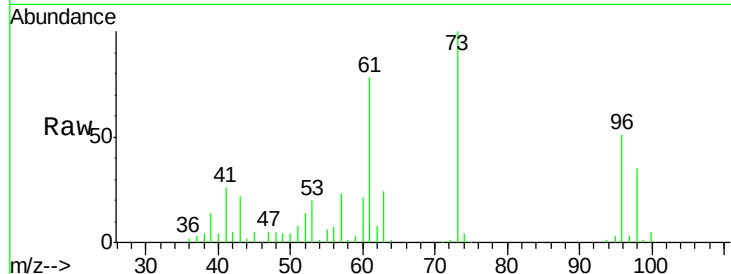
#21
trans-1,2-Dichloroethene
Concen: 20.172 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Instrument :
MSVOA_N
ClientSampled :
VN0416WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.2	114.9	172.3
98	68.6	48.4	72.6

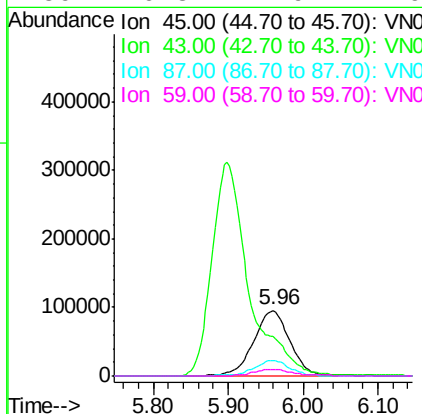
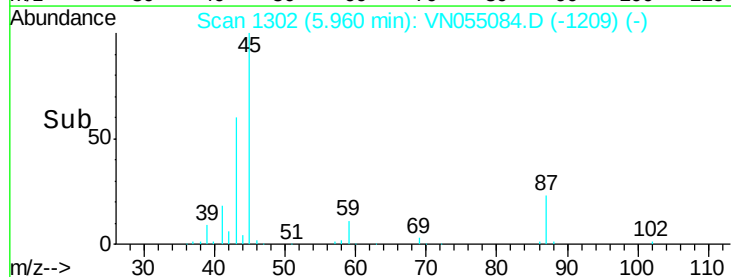
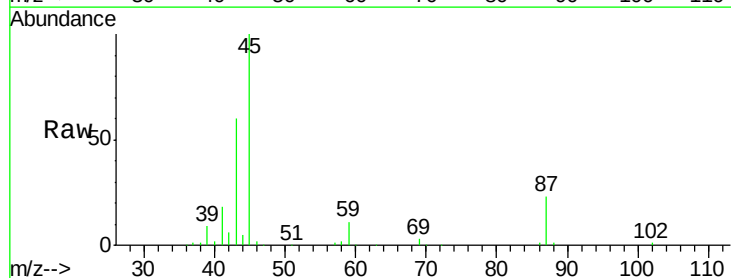
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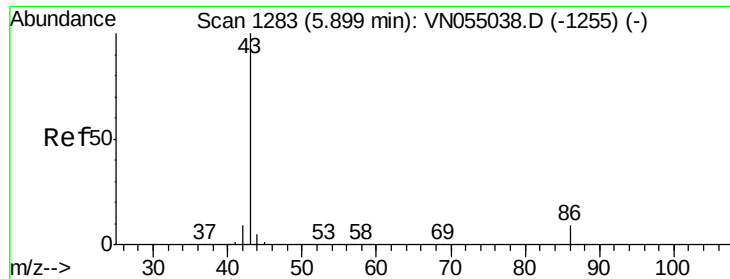
MMDadoda
4/17/2019 4:23:10 AM



#22
Diisopropyl ether
Concen: 21.103 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.6	44.8	67.2
87	22.7	18.9	28.3
59	10.3	7.9	11.9





#23

Vinyl Acetate

Concen: 106.025 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBSD02

Tot Ion: 43 Resp: 1072543

Ion Ratio Lower Upper

43 100

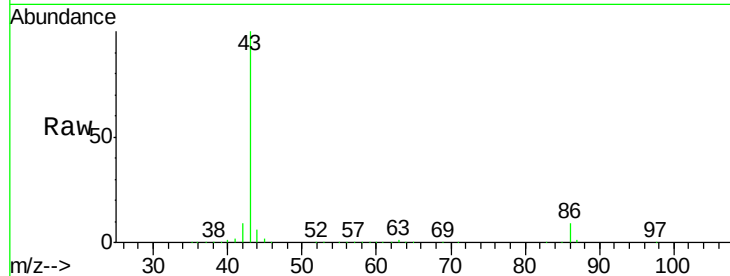
86 8.8 7.0 10.4

Manual Integrations

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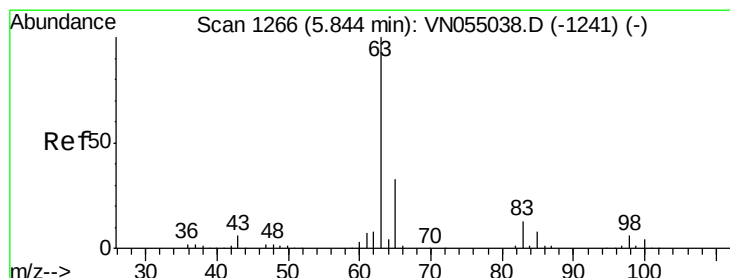
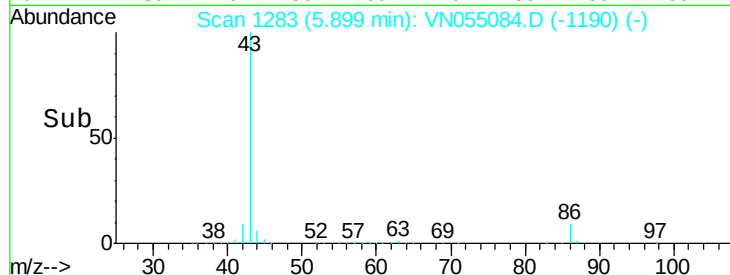
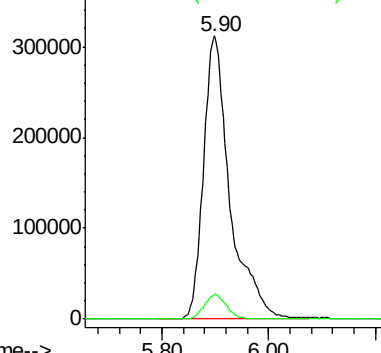
MMDadoda

4/17/2019 4:23:10 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.808 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

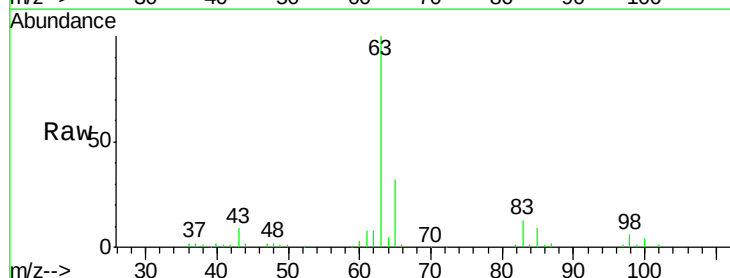
Tgt Ion: 63 Resp: 169584

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.4

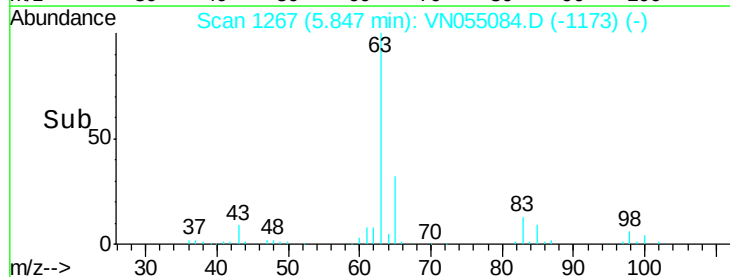
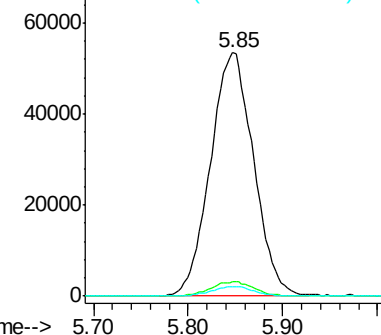
100 3.6 2.0 5.8

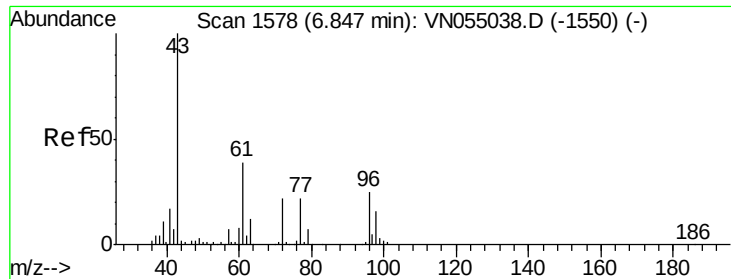


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 96.211 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBSD02

Tot Ion: 43 Resp: 198517

Ion Ratio Lower Upper

43 100

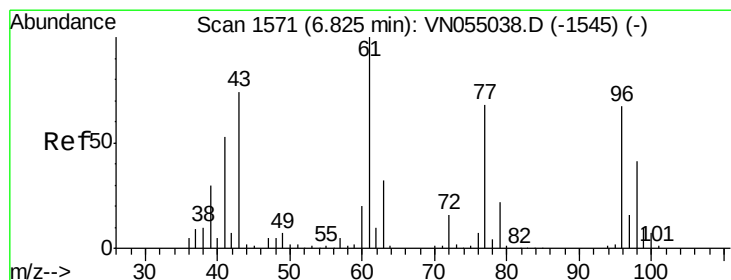
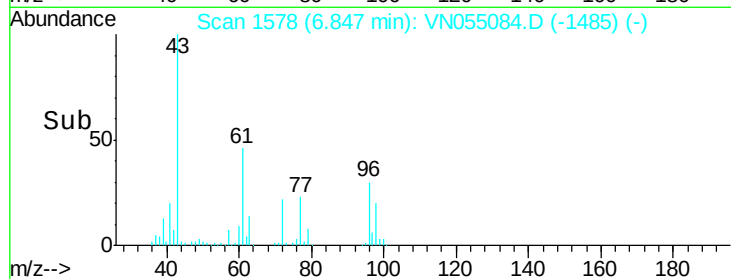
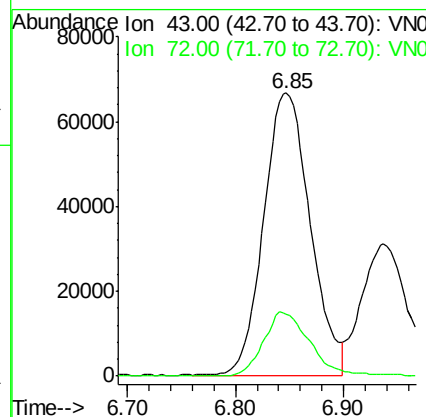
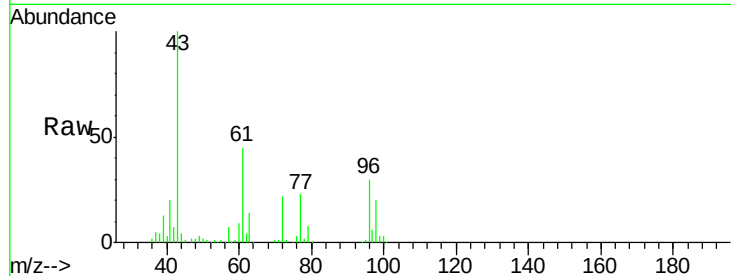
72 22.2 18.1 27.1

Manual Integrations

APPROVED

MMDadoda

4/17/2019 4:23:10 AM



#26

2,2-Dichloropropane

Concen: 18.698 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN055084.D

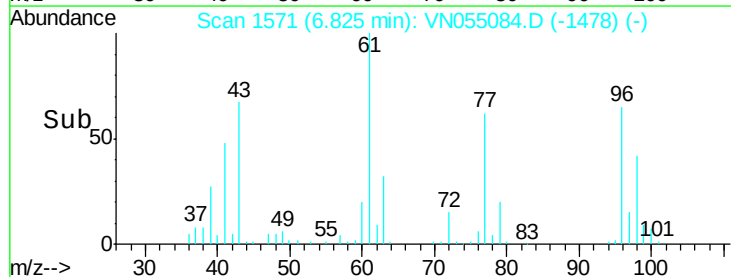
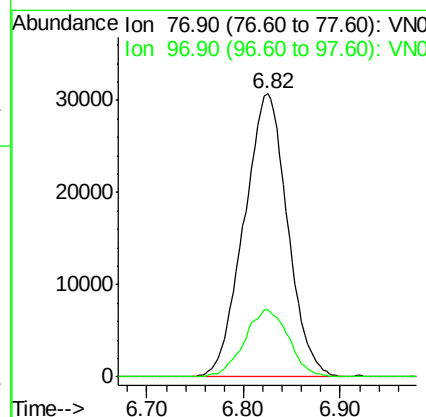
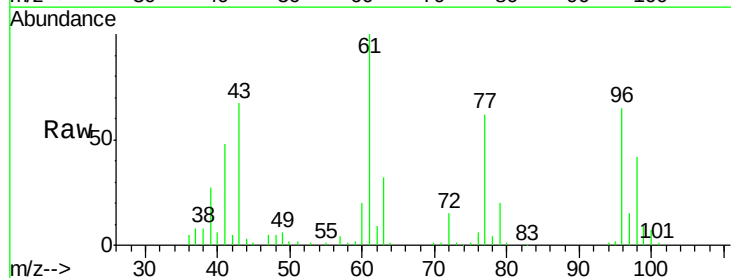
Acq: 16 Apr 2019 17:45

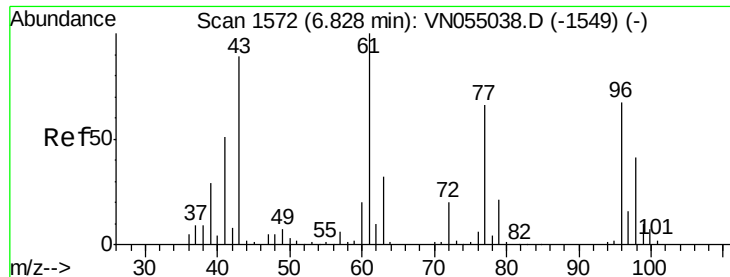
Tgt Ion: 77 Resp: 96179

Ion Ratio Lower Upper

77 100

97 24.1 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 20.430 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBSD02

Tot Ion: 96 Resp: 95078

Ion Ratio Lower Upper

96 100

61 154.4 0.0 311.0

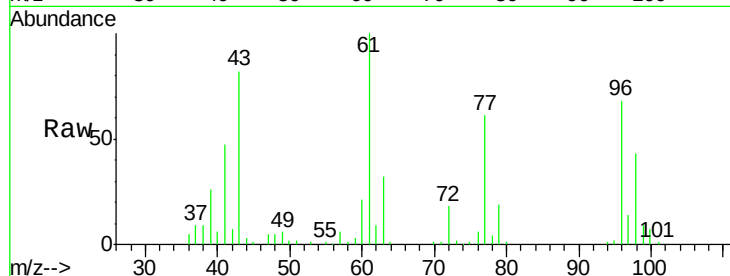
98 65.0 0.0 127.4

Manual Integrations

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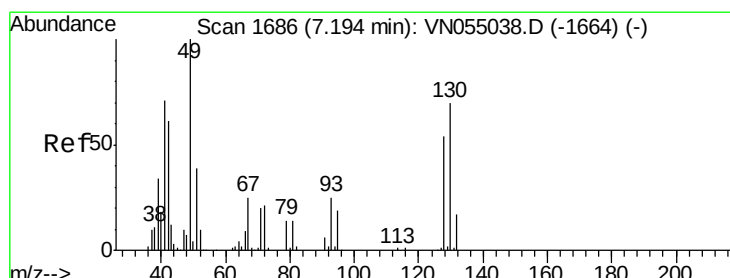
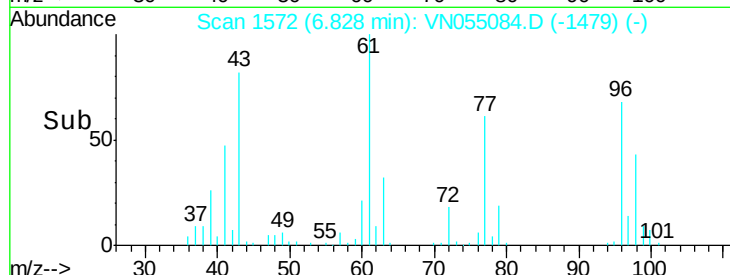
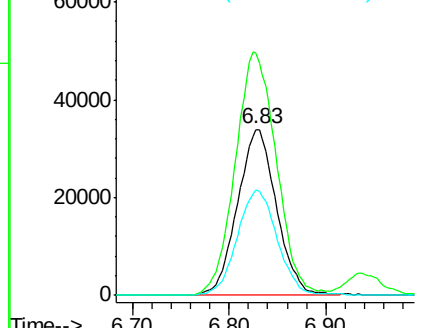
4/17/2019 4:23:10 AM



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.123 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

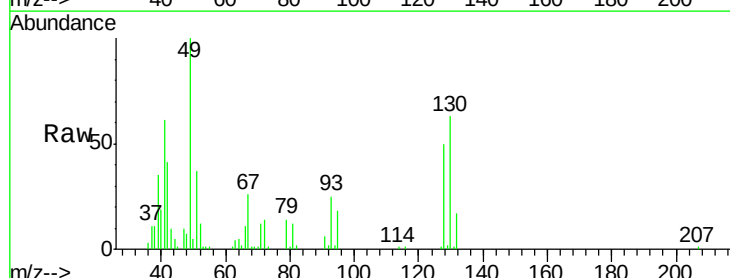
Tgt Ion: 49 Resp: 79056

Ion Ratio Lower Upper

49 100

129 1.9 0.0 2.0

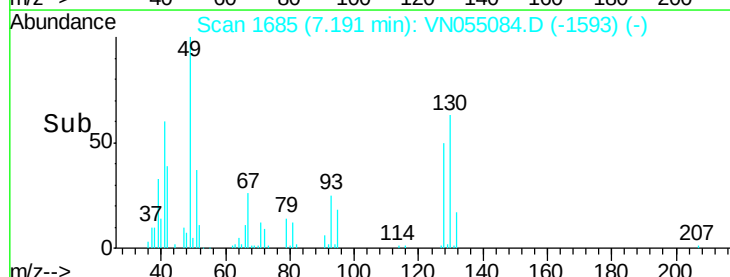
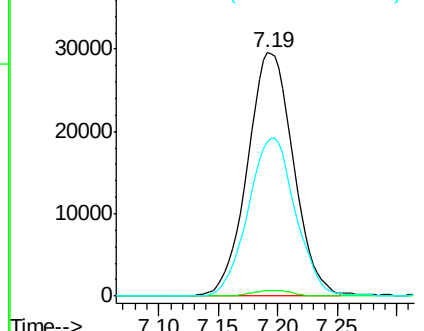
130 67.1 53.4 80.2

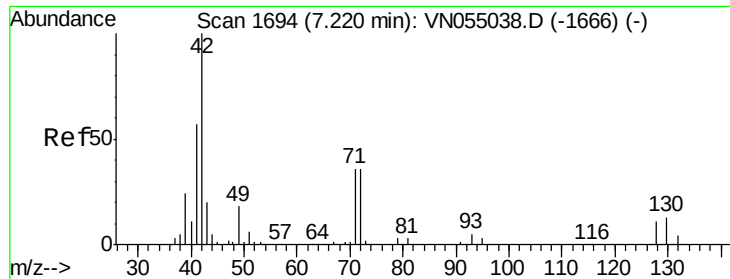


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





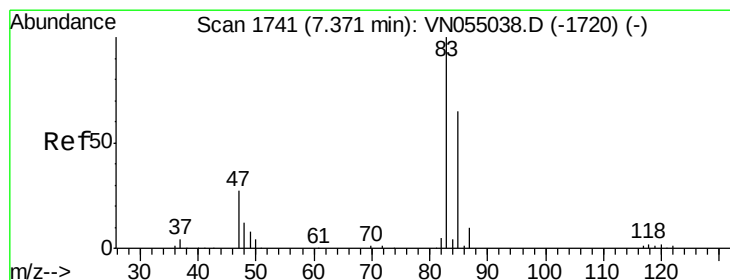
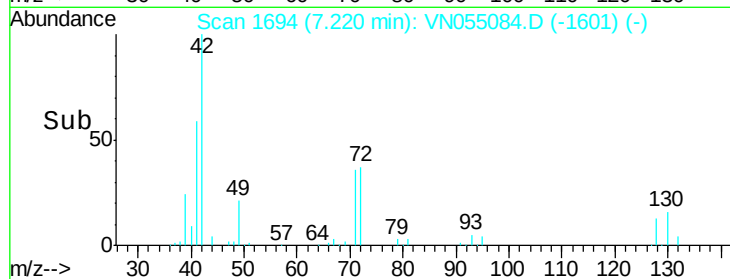
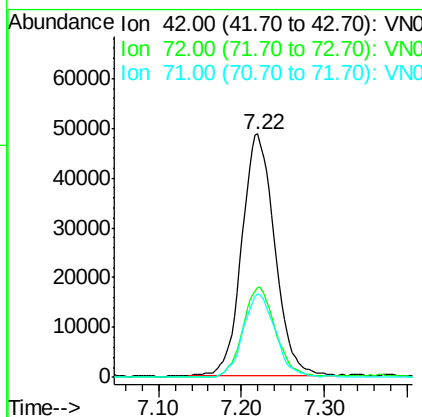
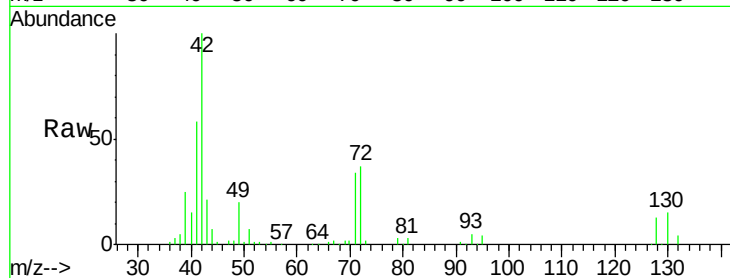
#29
Tetrahydrofuran
Concen: 99.646 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.6	29.4	44.0
71	33.6	27.8	41.6

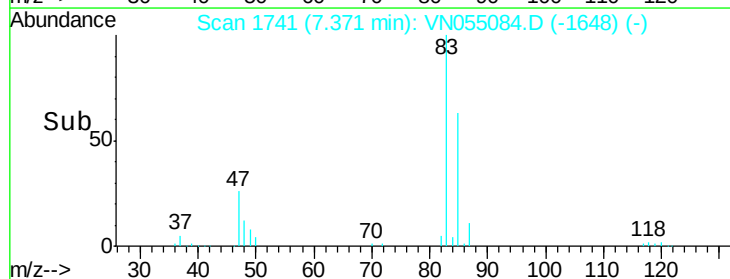
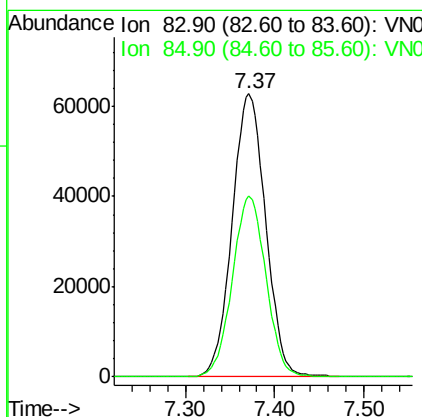
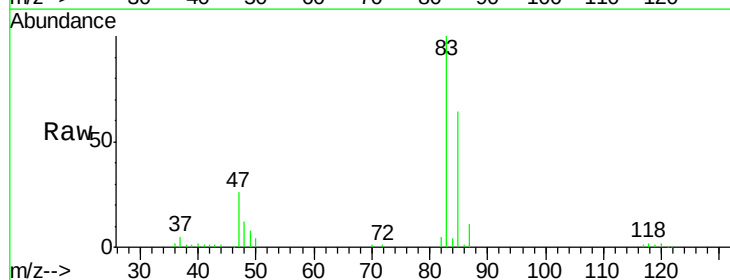
Manual Integrations
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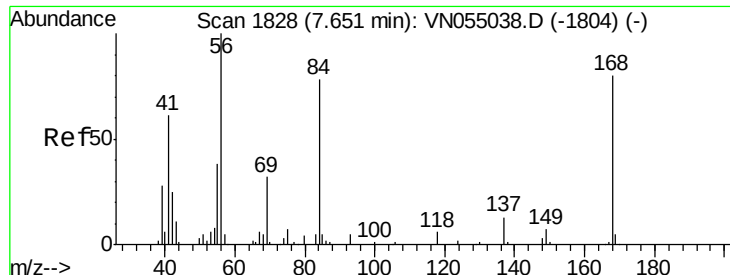
MMDadoda
4/17/2019 4:23:10 AM



#30
Chloroform
Concen: 20.624 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.8	77.6





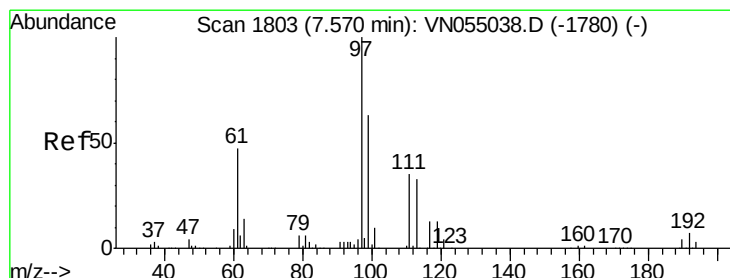
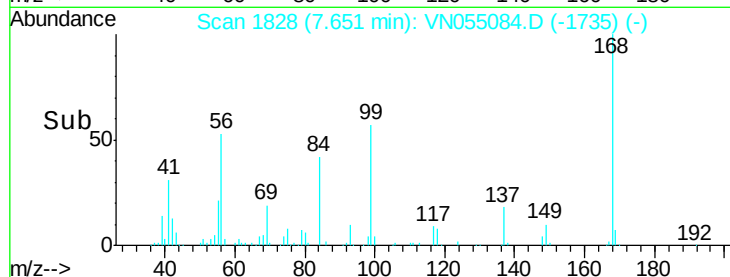
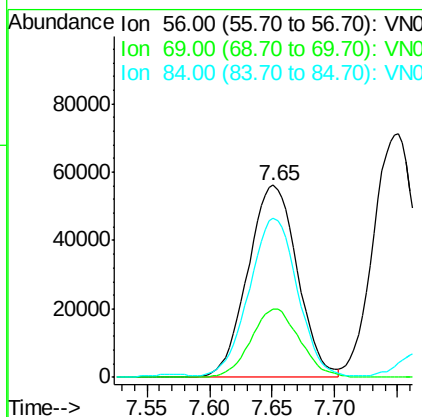
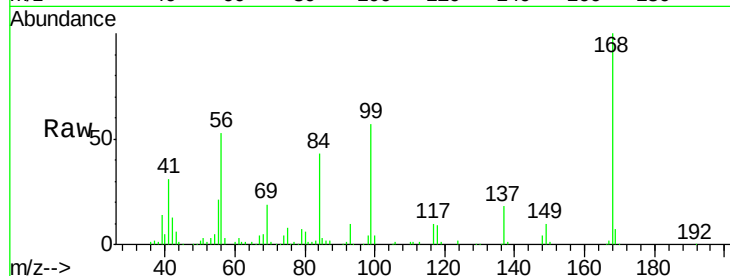
#31
Cyclohexane
Concen: 20.741 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.4	24.5	36.7
84	81.6	62.9	94.3

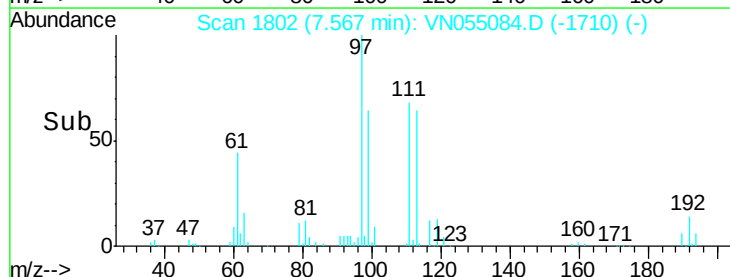
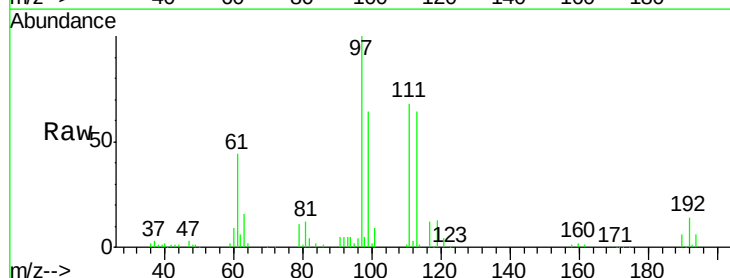
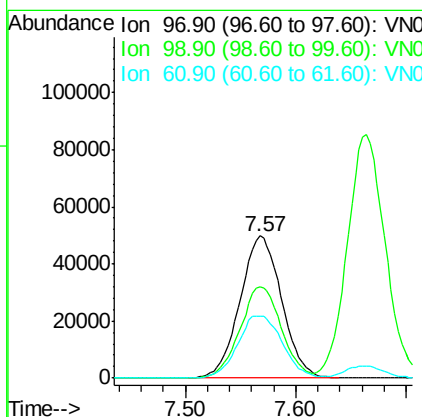
Manual Integrations
APPROVED

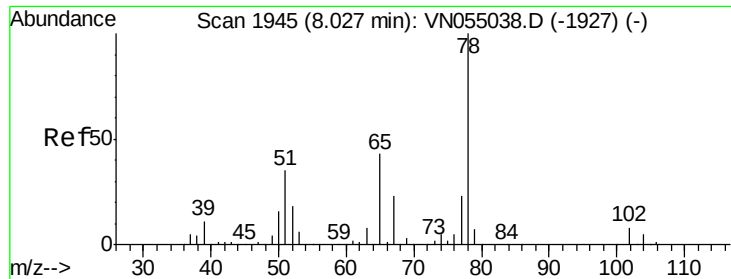
MMDadoda
4/17/2019 4:23:10 AM



#32
1,1,1-Trichloroethane
Concen: 20.773 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.6	77.4
61	46.9	38.3	57.5





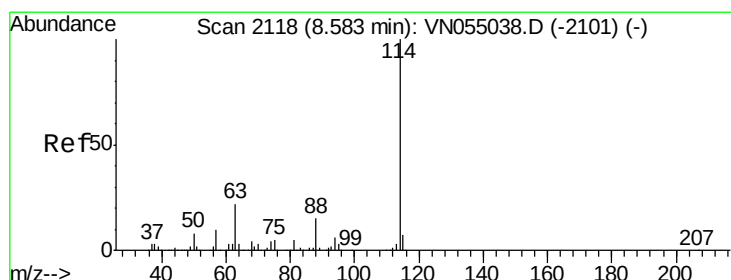
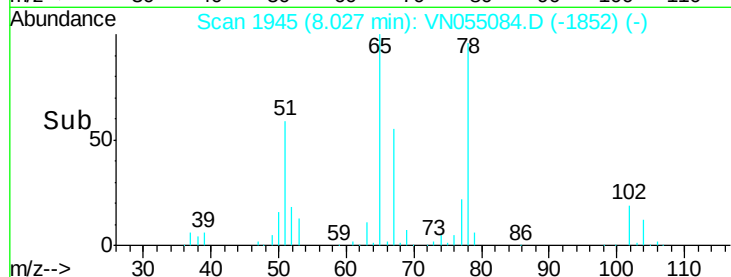
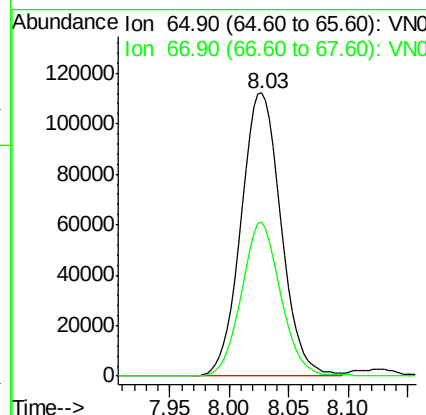
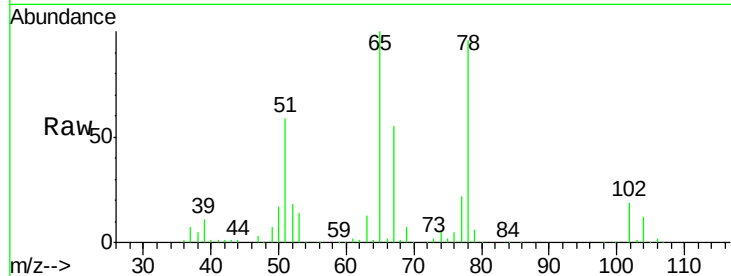
#33
 1,2-Dichloroethane-d4
 Concen: 51.420 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055084.D
 Acq: 16 Apr 2019 17:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	261915		
67	52.9	0.0	106.4	

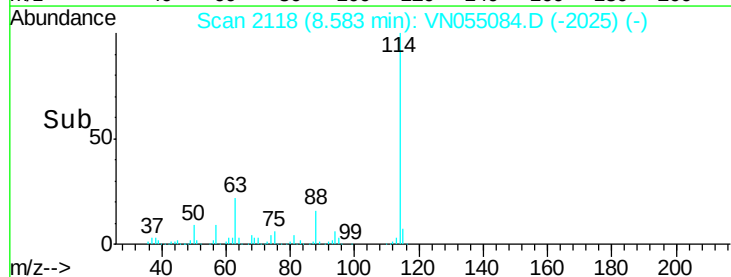
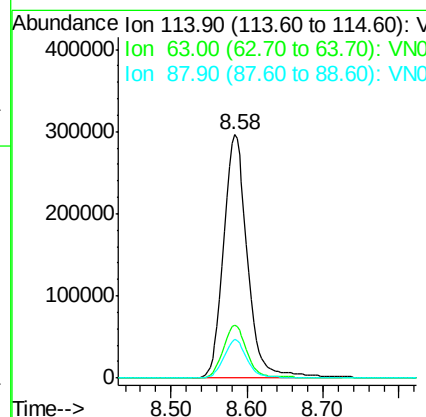
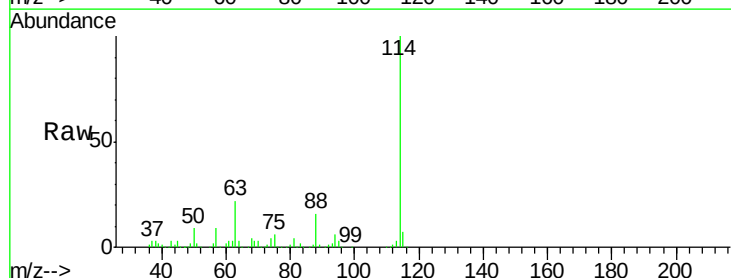
Manual Integrations
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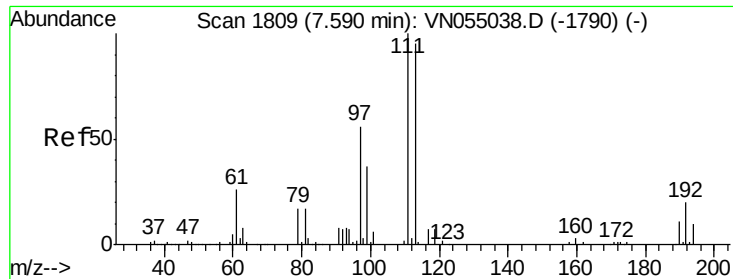
MMDadoda
 4/17/2019 4:23:10 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055084.D
 Acq: 16 Apr 2019 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	649726		
63	21.8	0.0	45.2	
88	15.7	0.0	31.8	





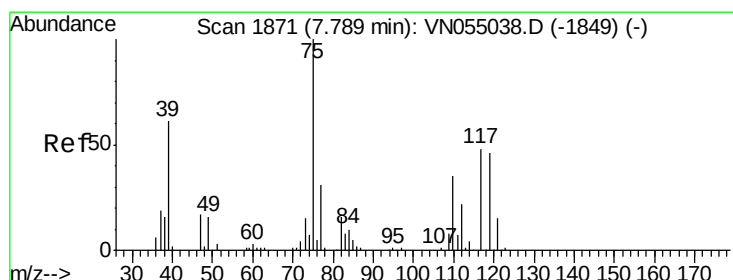
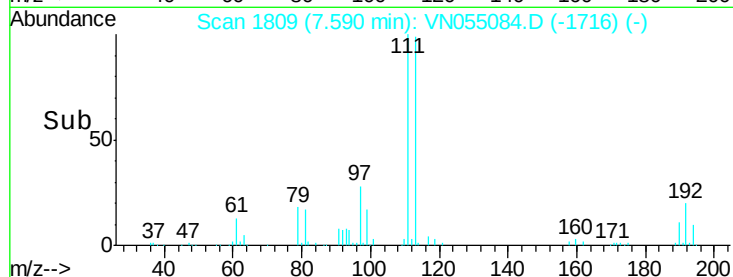
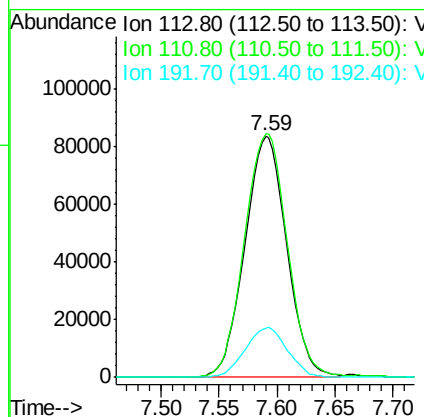
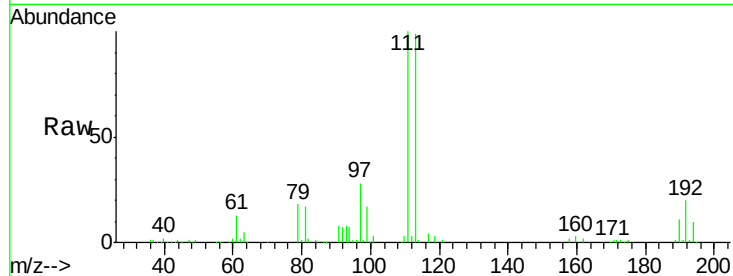
#35
Dibromofluoromethane
Concen: 48.198 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	209283		
111	103.7	82.1	123.1	
192	20.9	16.5	24.7	

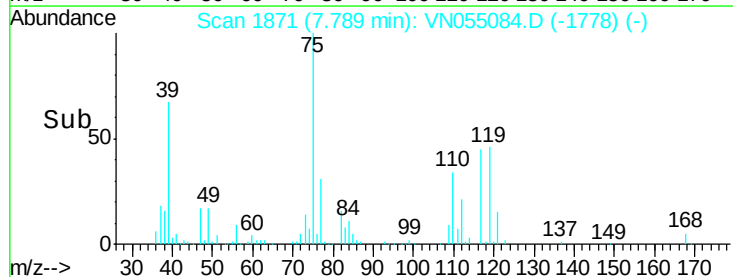
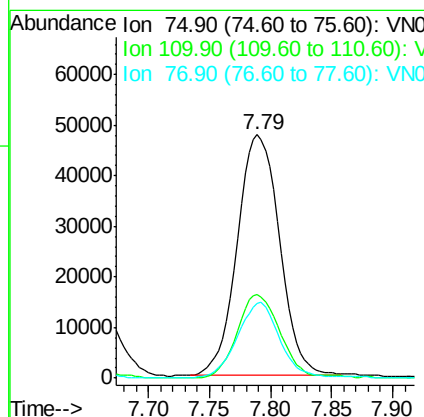
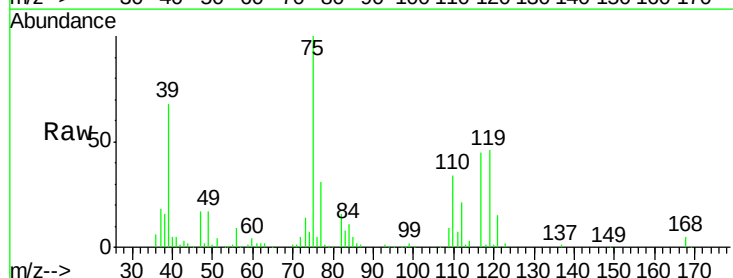
Manual Integrations
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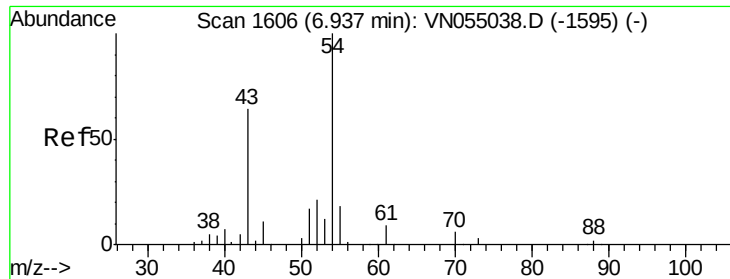
MMDadoda
4/17/2019 4:23:10 AM



#36
1,1-Dichloropropene
Concen: 18.641 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	114175		
110	35.2	17.5	52.5	
77	31.5	24.9	37.3	





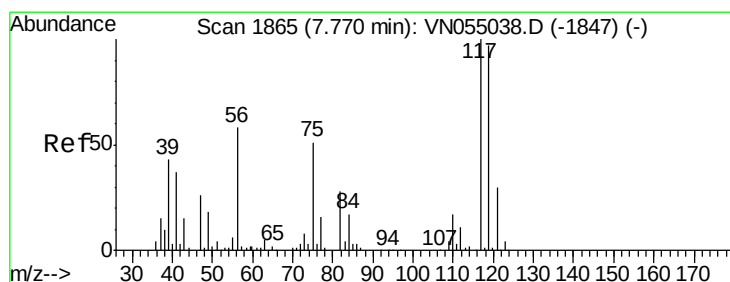
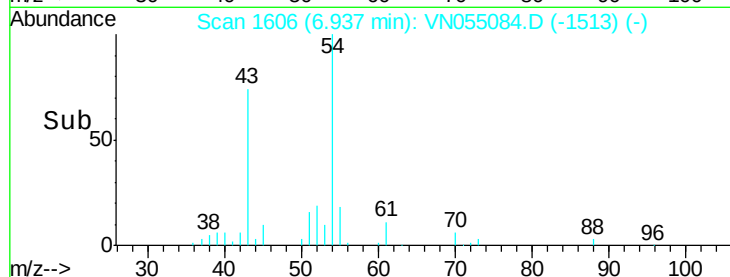
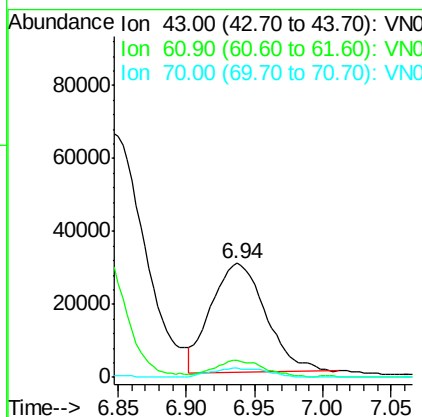
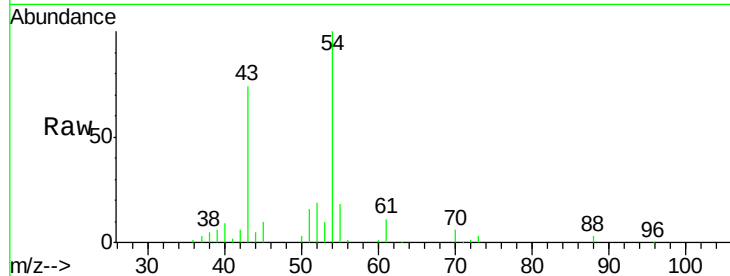
#37
Ethyl Acetate
Concen: 16.842 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD02

Tot Ion	43	61	70
Resp	83979		
Ratio	100	13.0	8.7
Lower		10.0	7.1
Upper		15.0	10.7

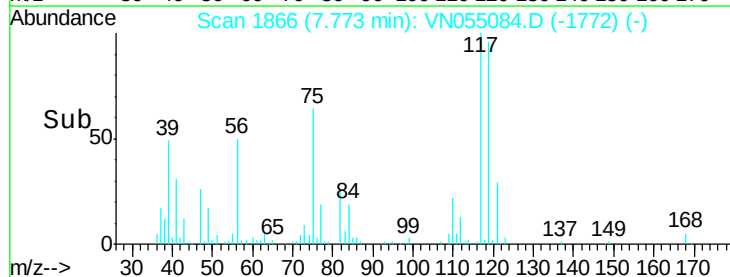
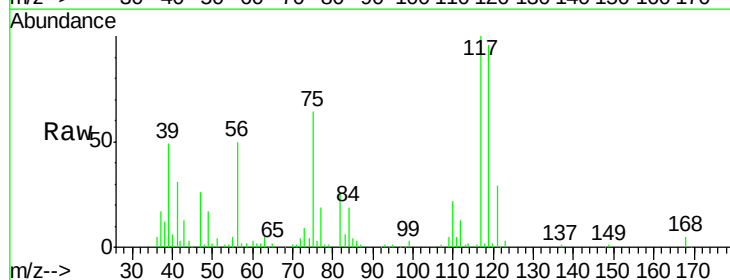
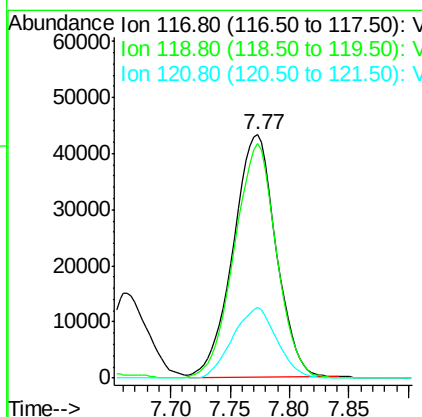
Manual Integrations
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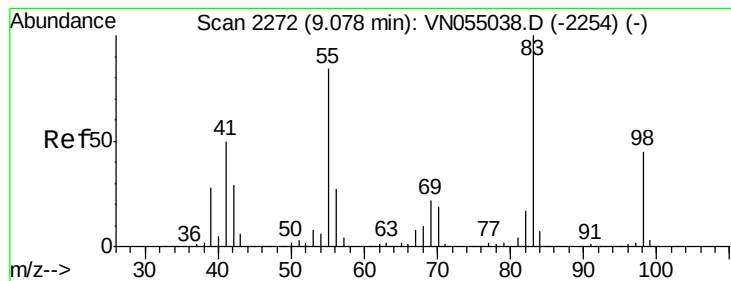
MMDadoda
4/17/2019 4:23:10 AM



#38
Carbon Tetrachloride
Concen: 18.508 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Tgt Ion	117	119	121
Resp	107850		
Ratio	100	96.7	29.3
Lower		76.3	23.9
Upper		114.5	35.9





#39

Methylvlcyclohexane

Concen: 18.197 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Instrument :

MSVOA_N

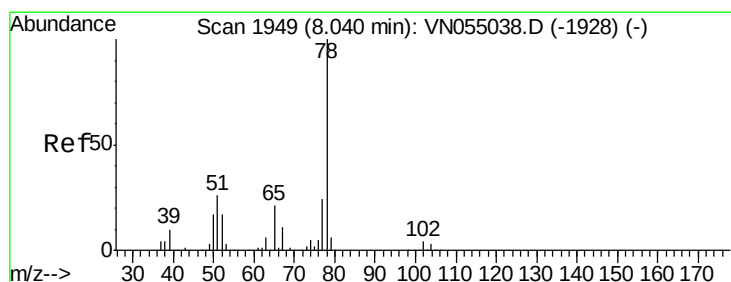
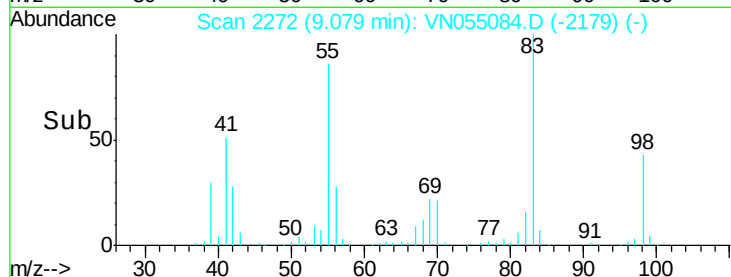
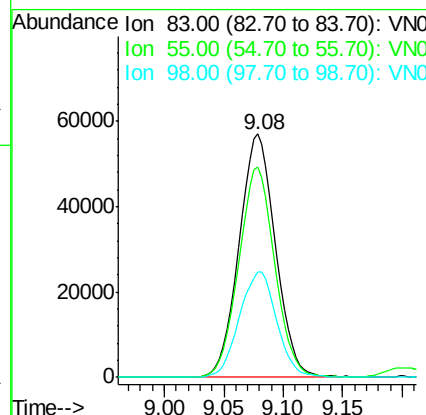
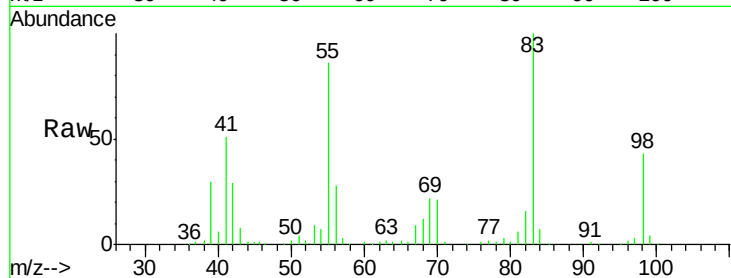
ClientSampleId :

VN0416WBSD02

Tot Ion:	83	Resp:	120774
Ion	Ratio	Lower	Upper
83	100		
55	86.4	67.0	100.4
98	43.3	35.6	53.4

Manual Integrations
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#40

Benzene

Concen: 19.717 ug/l

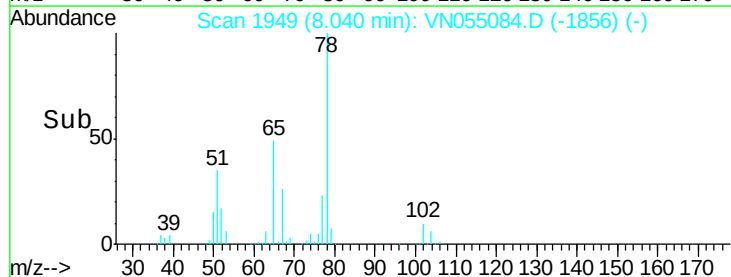
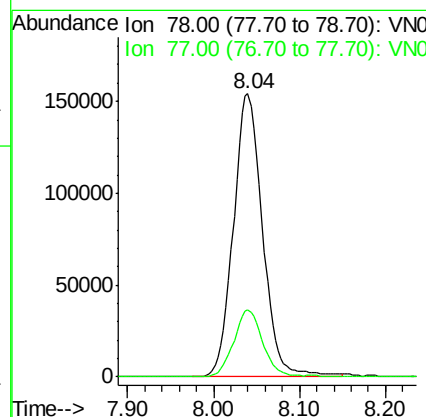
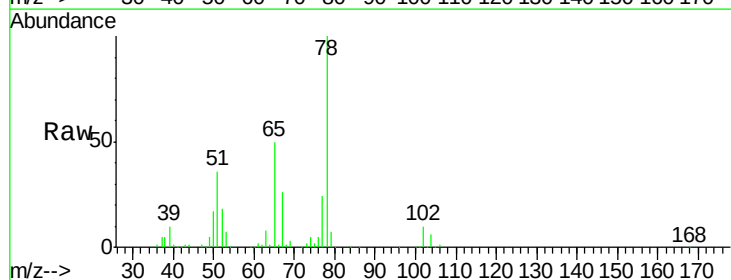
RT: 8.04 min Scan# 1949

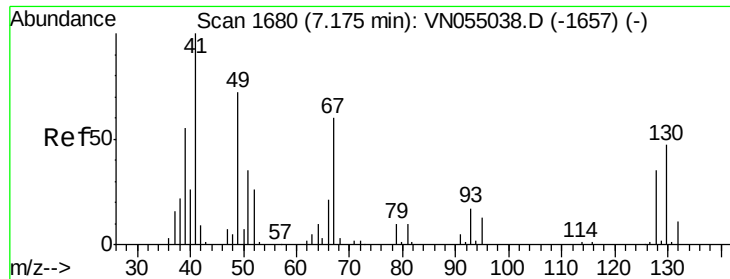
Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Tgt Ion:	78	Resp:	363977
Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2





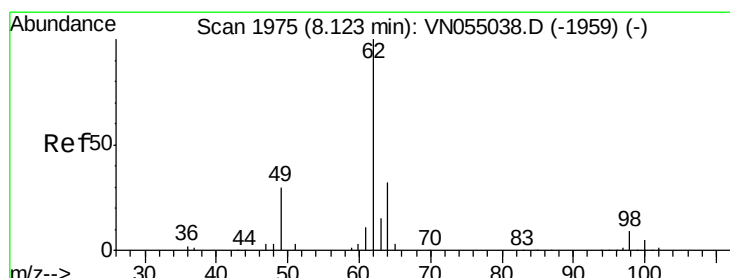
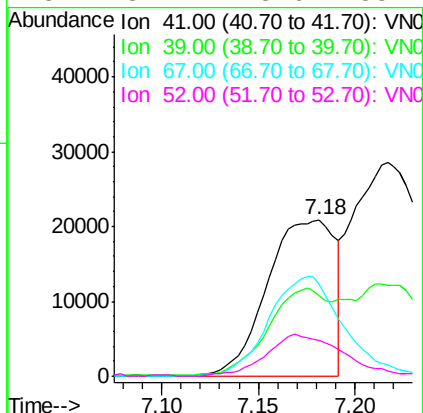
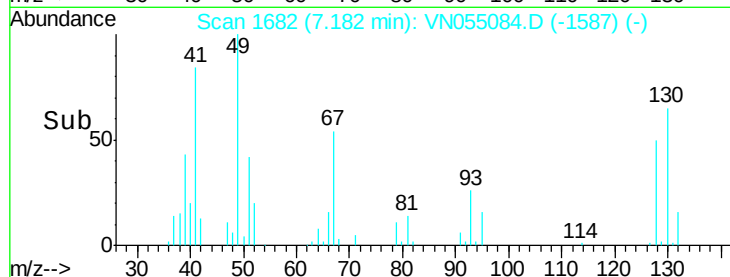
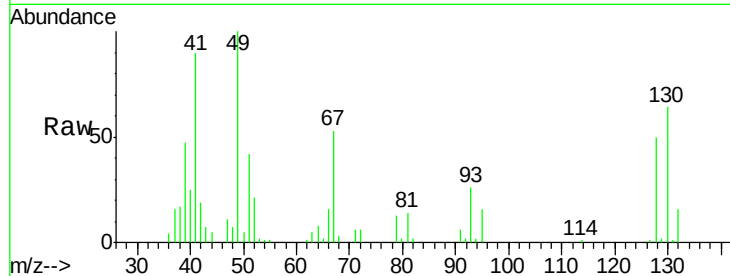
#41
Methacrylonitrile
Concen: 18.383 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD02

Tot Ion	41	Resp	50883
Ion	Ratio	Lower	Upper
41	100		
39	48.6	45.6	68.4
67	70.7	57.0	85.6
52	31.1	23.6	35.4

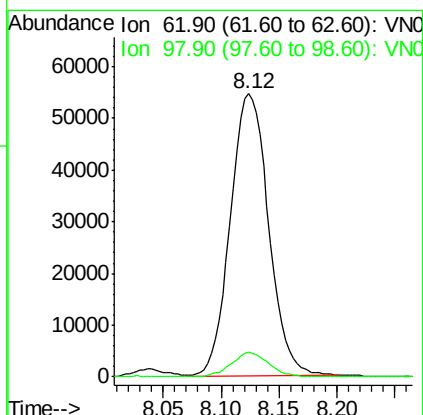
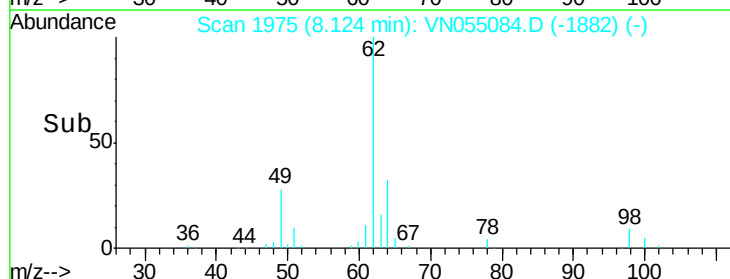
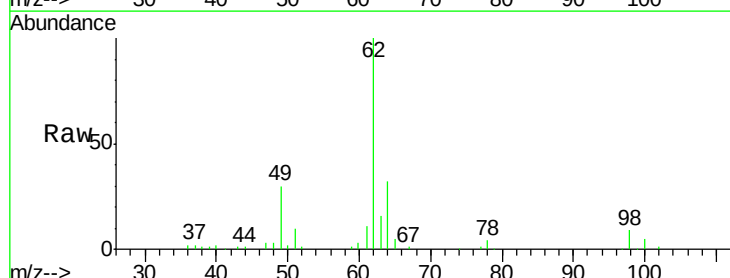
Manual Integrations
APPROVED

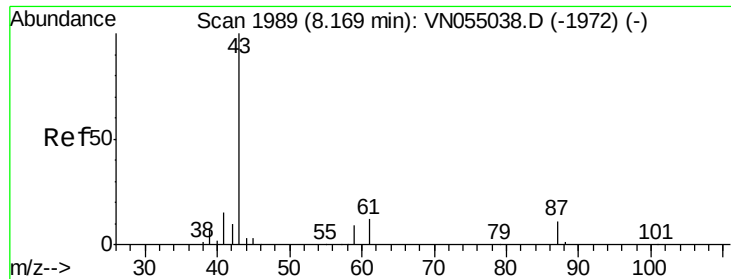
MMDadoda
4/17/2019 4:23:10 AM



#42
1,2-Dichloroethane
Concen: 19.610 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Tgt Ion	62	Resp	125682
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.4





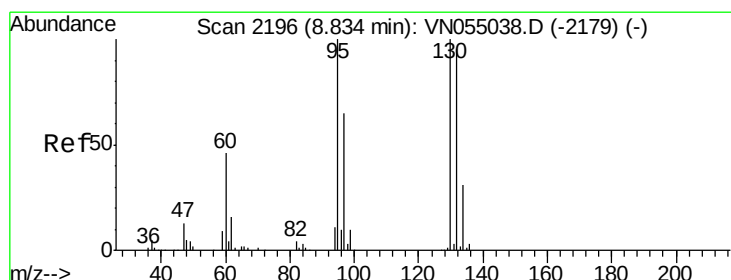
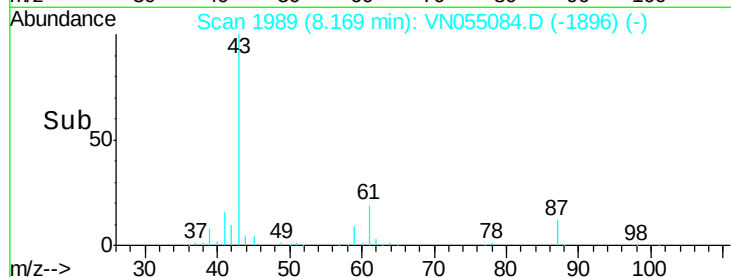
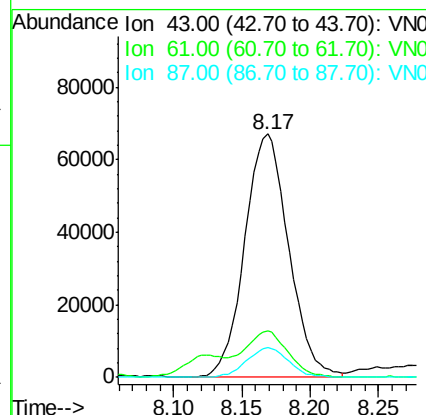
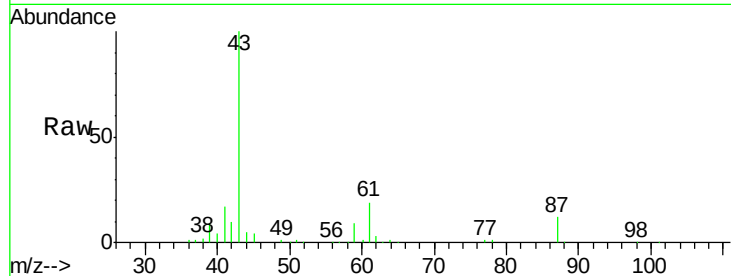
#43
Isopropyl Acetate
Concen: 19.337 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.3	21.5
87	11.7	8.6	13.0

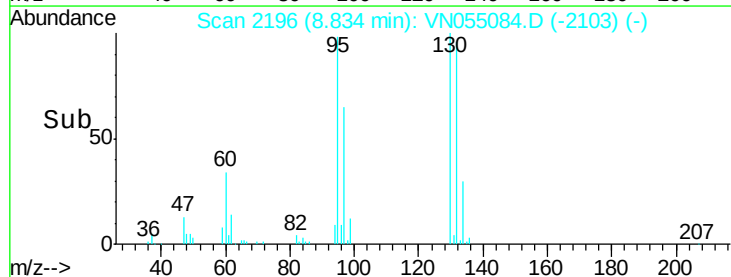
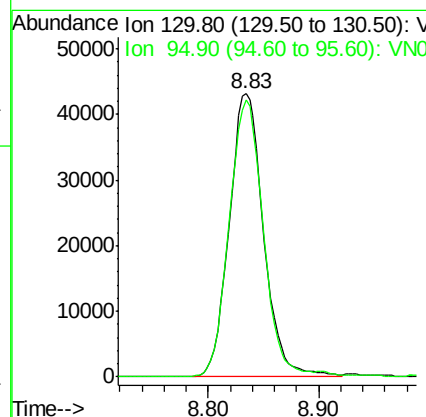
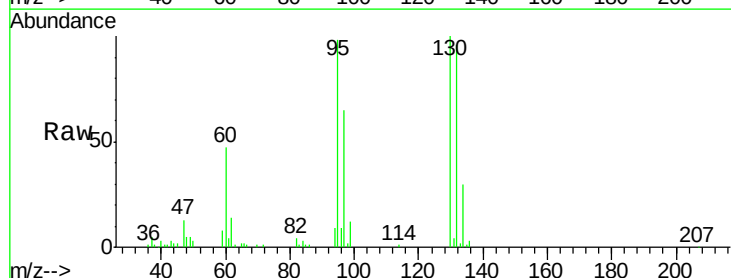
Manual Integrations
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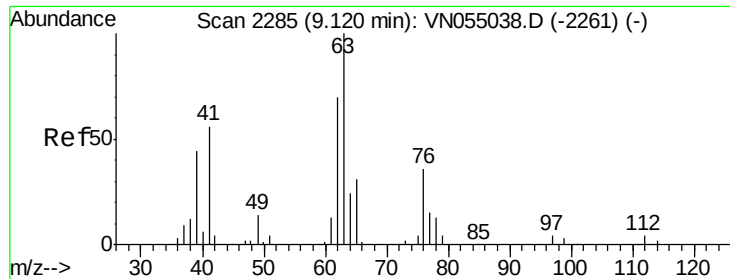
MMDadoda
4/17/2019 4:23:10 AM



#44
Trichloroethene
Concen: 20.125 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	201.6





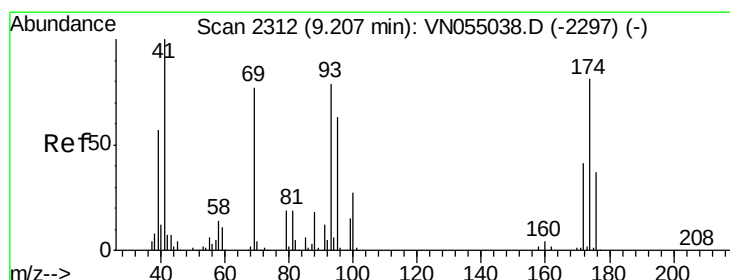
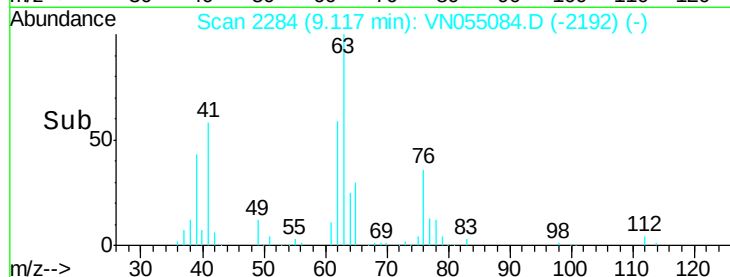
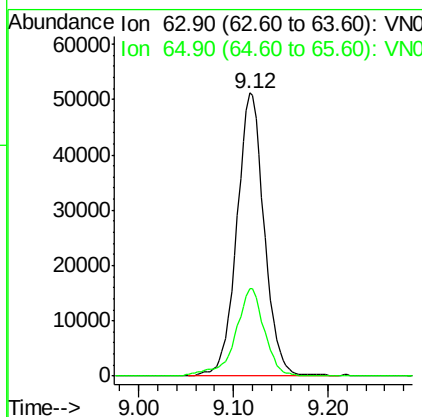
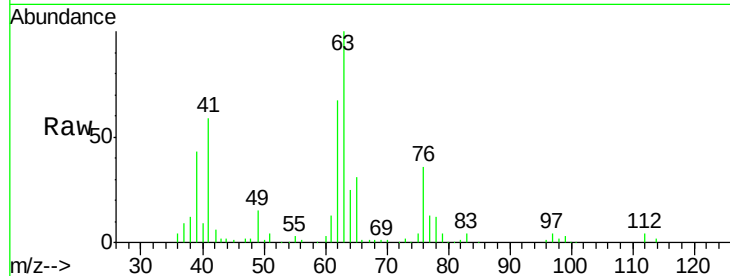
#45
 1,2-Dichloropropane
 Concen: 20.021 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055084.D
 Acq: 16 Apr 2019 17:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBSD02

Tot Ion: 63 Resp: 103068
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.4 36.6

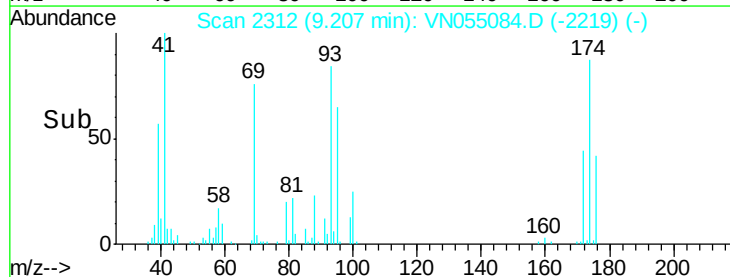
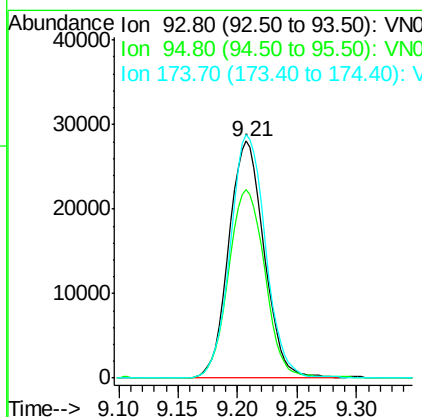
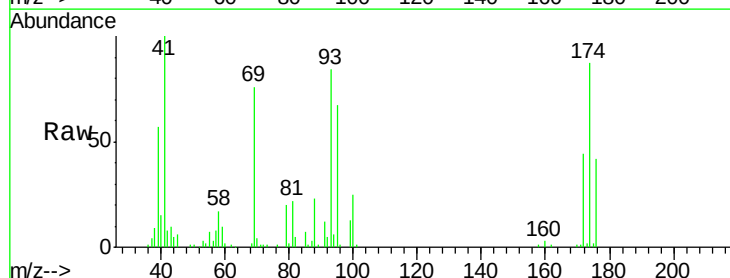
Manual Integrations
 APPROVED

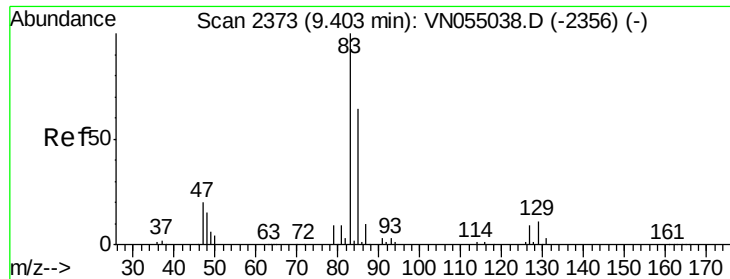
MMDadoda
 4/17/2019 4:23:10 AM



#46
 Dibromomethane
 Concen: 19.761 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055084.D
 Acq: 16 Apr 2019 17:45

Tgt Ion: 93 Resp: 57905
 Ion Ratio Lower Upper
 93 100
 95 81.7 65.0 97.6
 174 102.2 81.0 121.6





#47

Bromodichloromethane

Concen: 19.376 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Instrument :

MSVOA_N

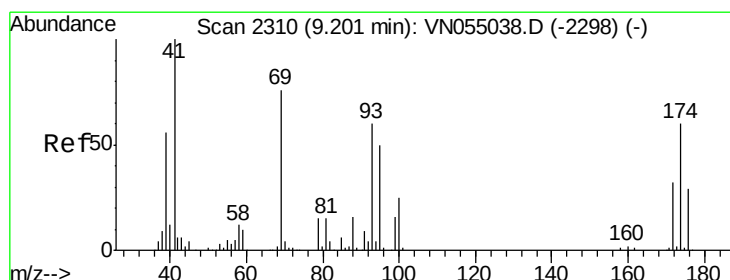
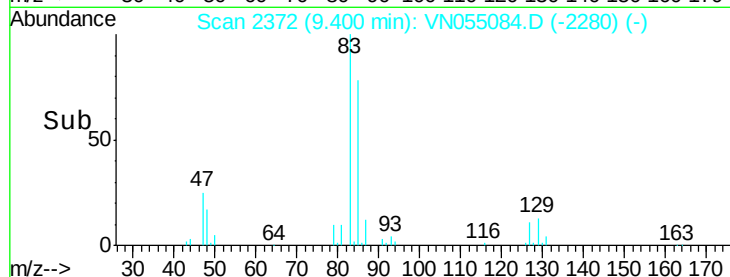
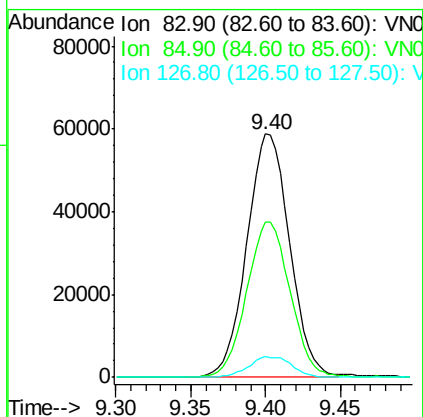
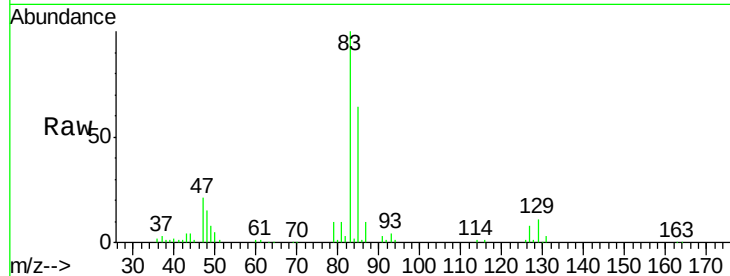
ClientSampleId :

VN0416WBSD02

Tot Ion:	83	Resp:	117057
Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.2	76.8
127	8.5	6.8	10.2

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#48

Methyl methacrylate

Concen: 19.407 ug/l

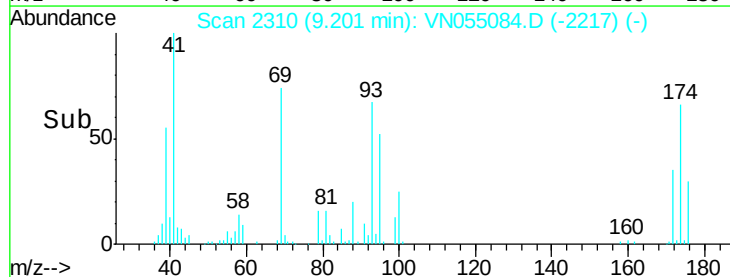
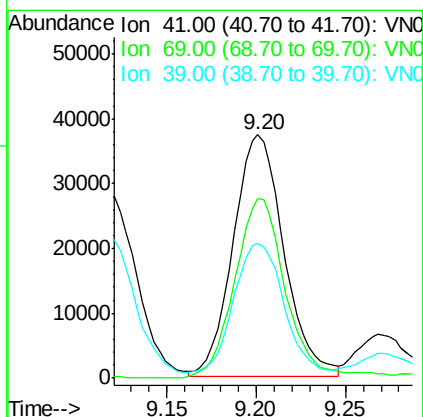
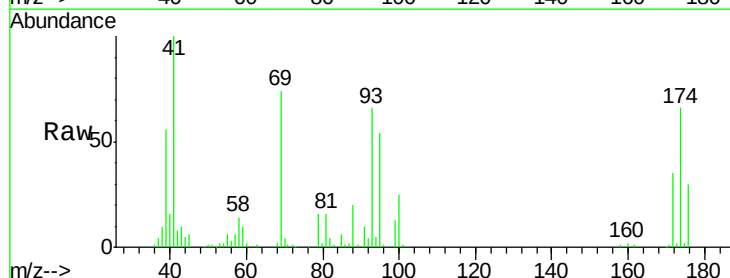
RT: 9.20 min Scan# 2310

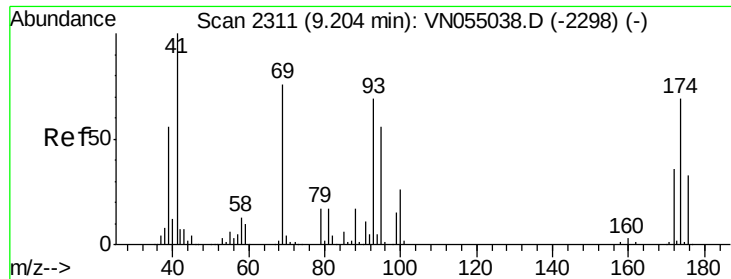
Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Tgt Ion:	41	Resp:	73908
Ion	Ratio	Lower	Upper
41	100		
69	74.0	60.5	90.7
39	54.0	43.9	65.9





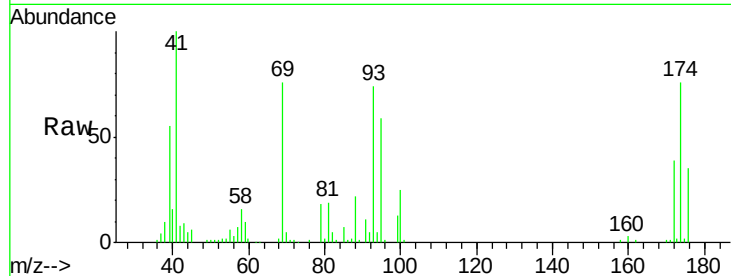
#49
1,4-Dioxane
Concen: 446.817 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD02

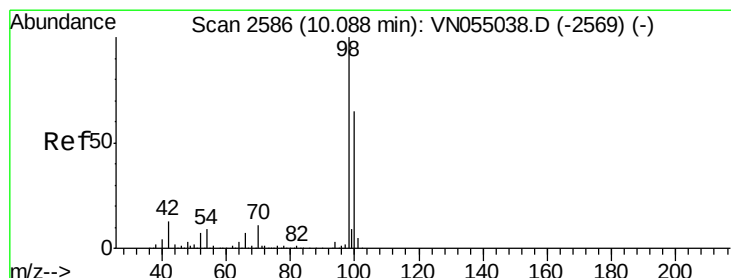
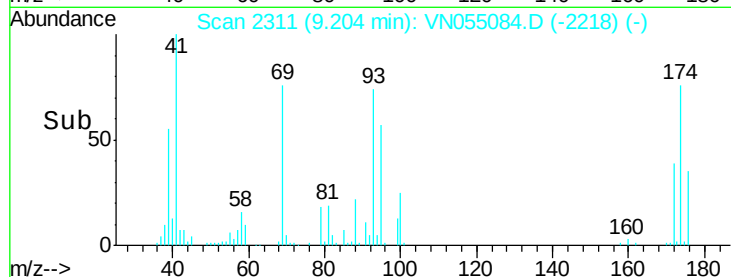
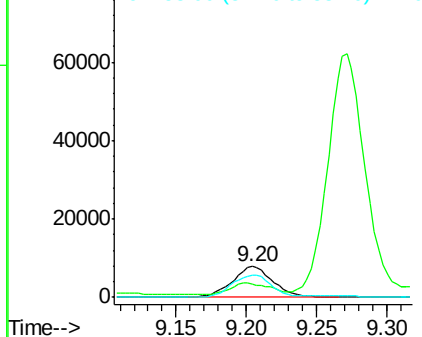
Tot Ion	88	Resp	15942
Ion Ratio	Lower	Upper	
88	100		
43	37.4	31.8	47.8
58	71.0	61.6	92.4

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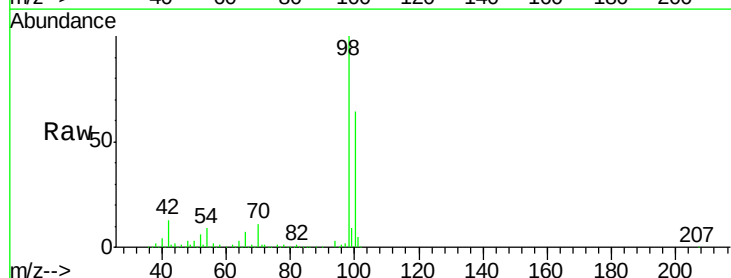


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

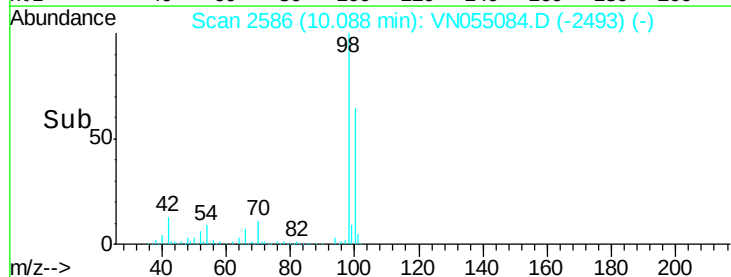
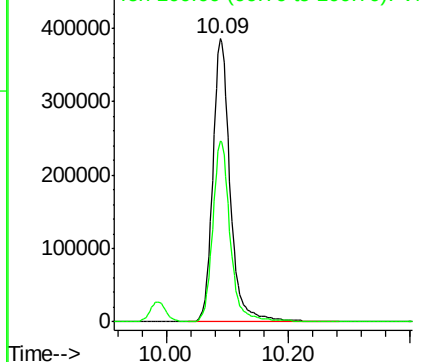


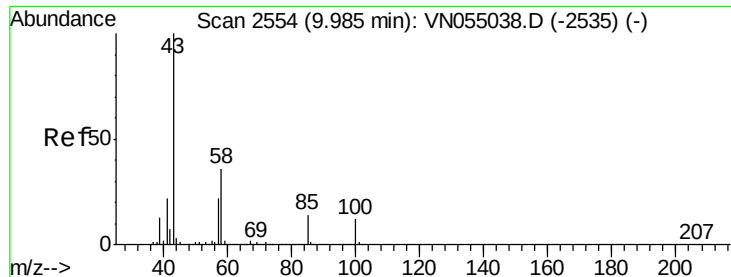
#50
Toluene-d8
Concen: 49.488 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Tgt Ion	98	Resp	769089
Ion Ratio	Lower	Upper	
98	100		
100	63.8	51.1	76.7



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





#51

4-Methyl-2-Pentanone

Concen: 97.014 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBSD02

Tot Ion: 43 Resp: 430631

Ion Ratio Lower Upper

43 100

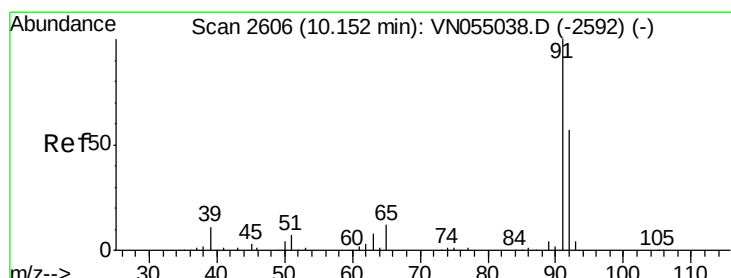
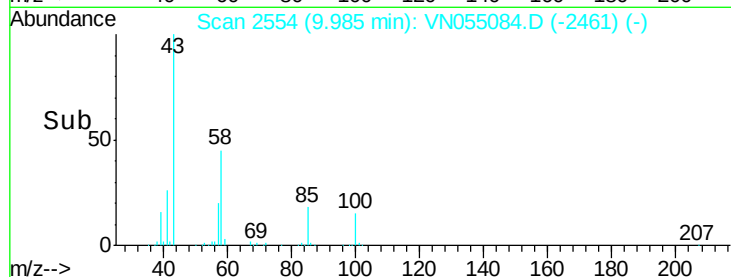
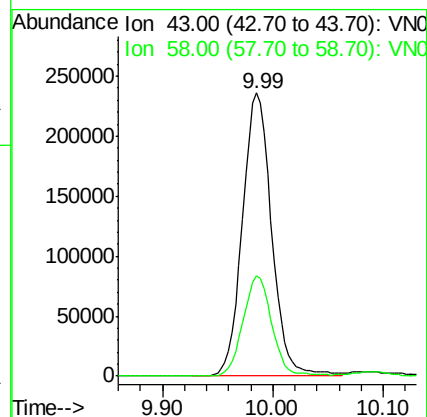
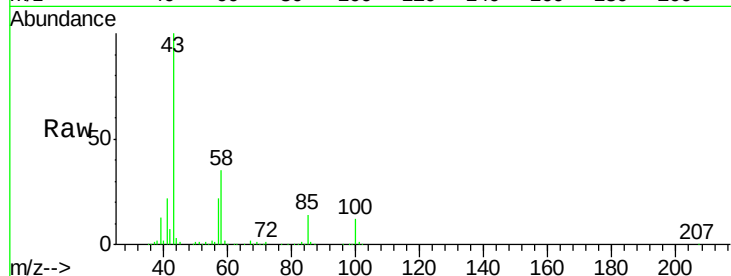
58 35.0 29.0 43.4

Manual Integrations

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#52

Toluene

Concen: 20.060 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN055084.D

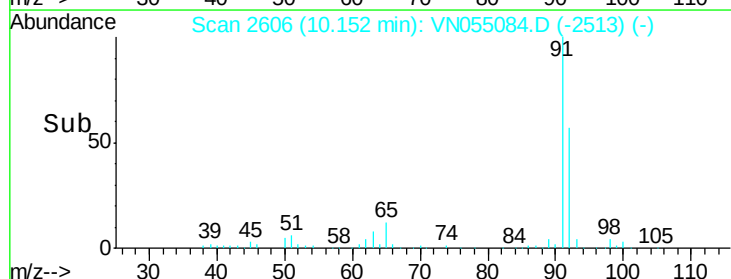
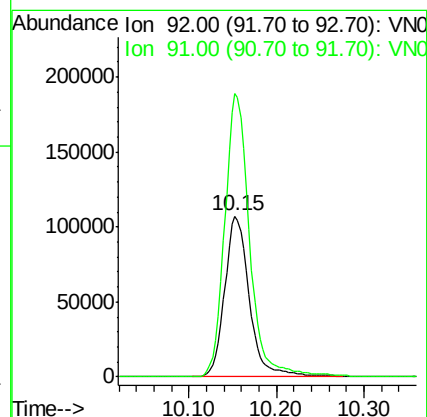
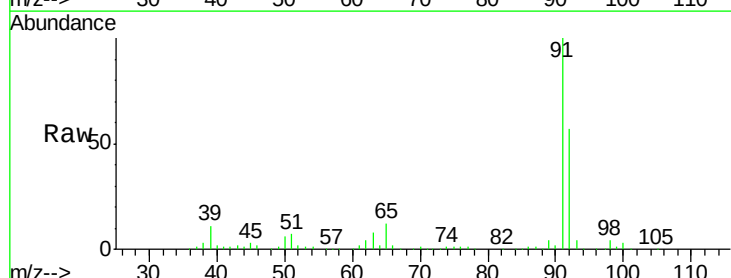
Acq: 16 Apr 2019 17:45

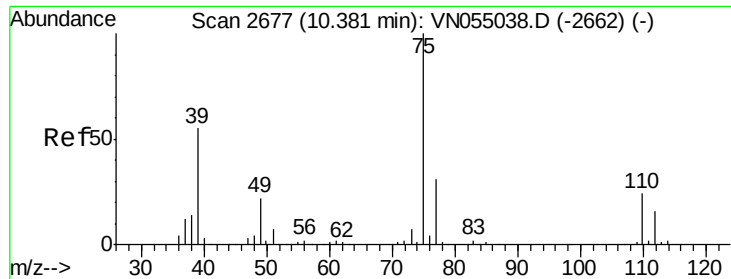
Tgt Ion: 92 Resp: 212082

Ion Ratio Lower Upper

92 100

91 177.0 140.8 211.2





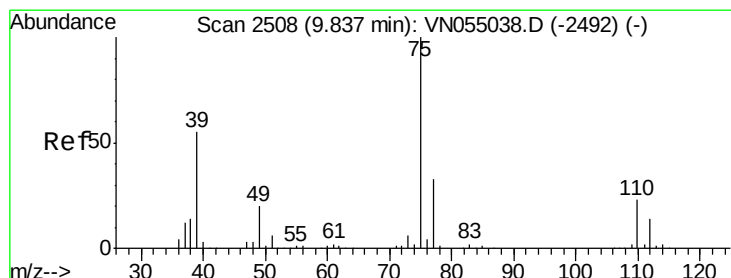
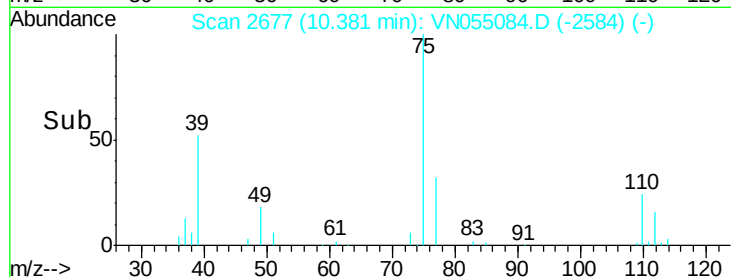
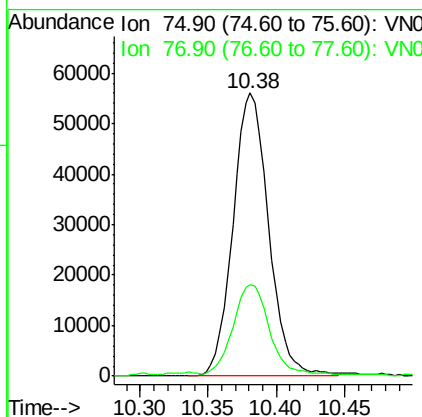
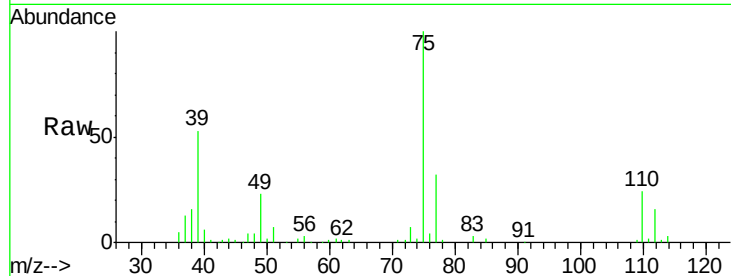
#53
t-1,3-Dichloropropene
Concen: 19.275 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD02

Tot Ion: 75 Resp: 101763
Ion Ratio Lower Upper
75 100
77 31.5 24.6 37.0

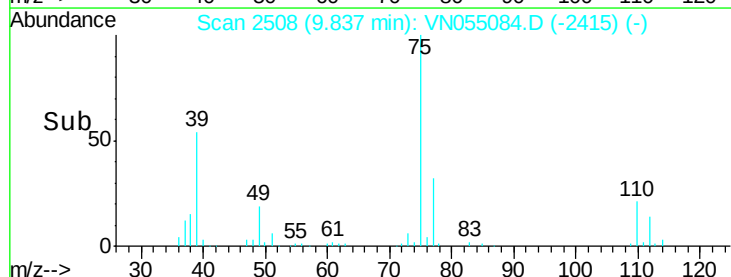
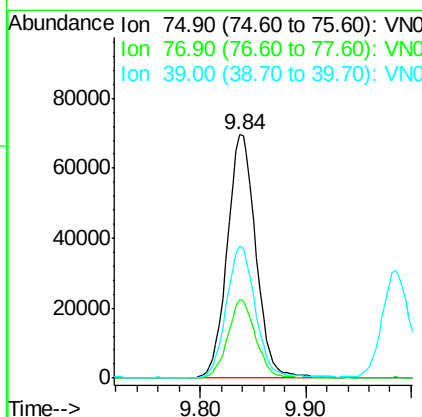
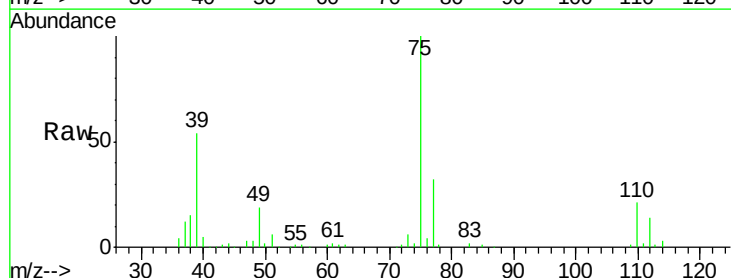
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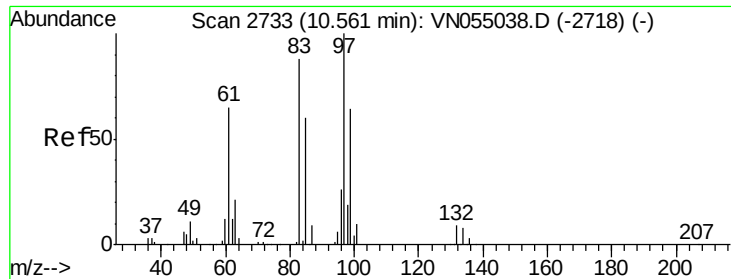
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#54
cis-1,3-Dichloropropene
Concen: 19.972 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Tgt Ion: 75 Resp: 130869
Ion Ratio Lower Upper
75 100
77 32.1 25.8 38.6
39 54.2 43.8 65.8





#55

1,1,2-Trichloroethane

Concen: 19.672 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Instrument :

MSVOA_N

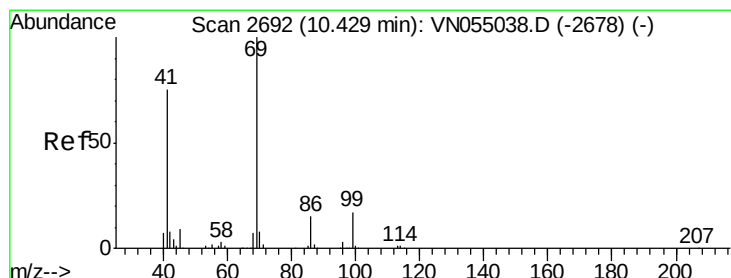
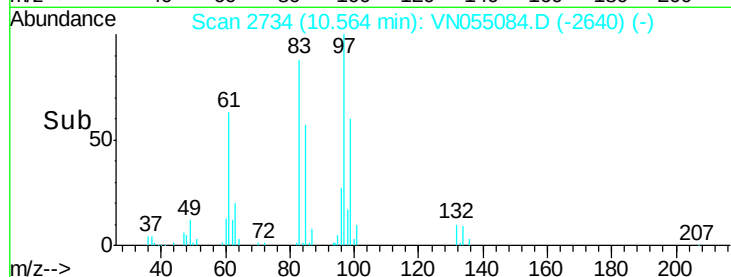
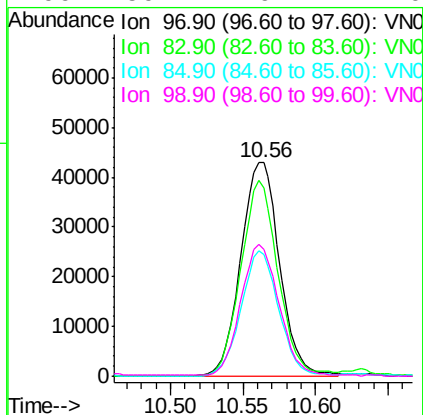
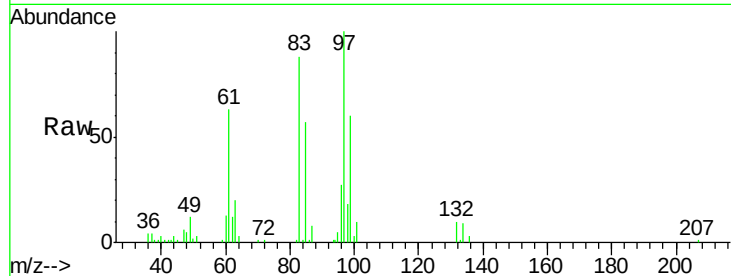
ClientSampleId :

VN0416WBSD02

Tot Ion:	97	Resp:	80132
Ion	Ratio	Lower	Upper
97	100		
83	88.4	70.5	105.7
85	57.1	45.5	68.3
99	59.1	49.4	74.0

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#56

Ethyl methacrylate

Concen: 19.722 ug/l

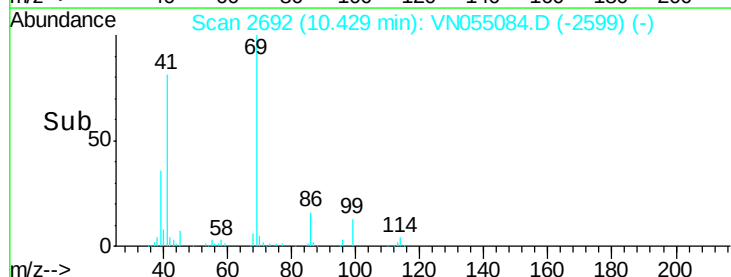
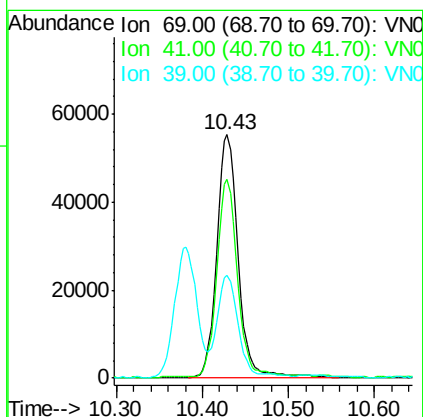
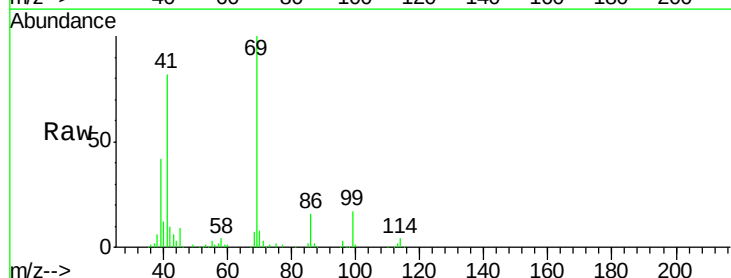
RT: 10.43 min Scan# 2692

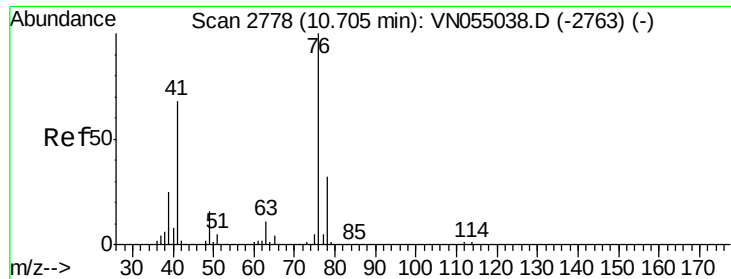
Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Tgt Ion:	69	Resp:	96412
Ion	Ratio	Lower	Upper
69	100		
41	77.5	61.4	92.0
39	39.5	30.8	46.2





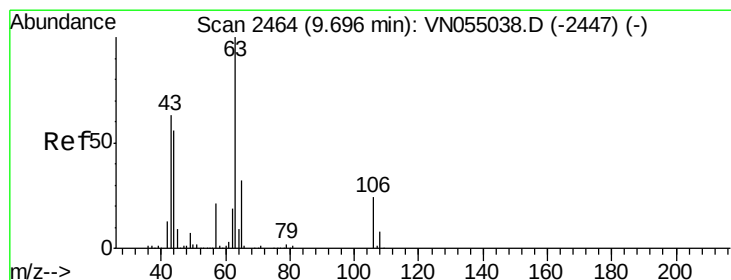
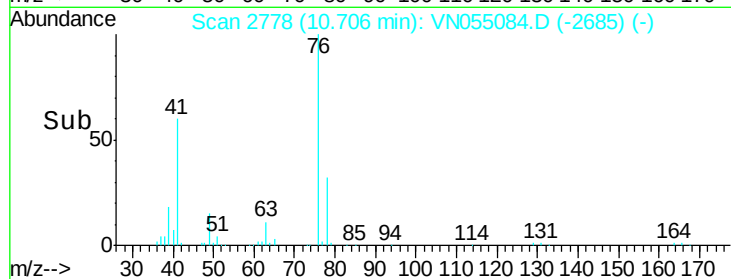
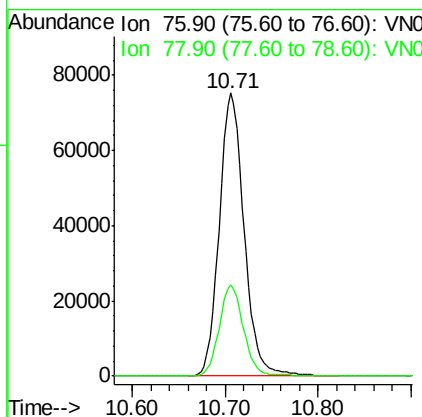
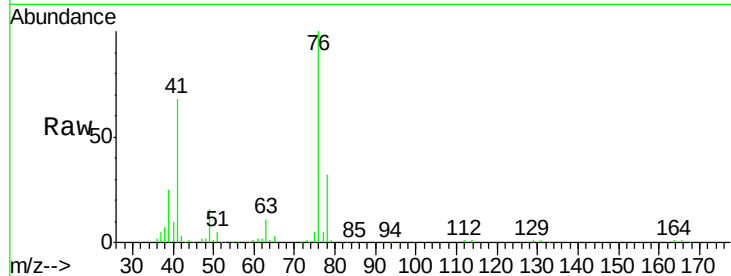
#57
 1,3-Dichloropropane
 Concen: 20.159 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055084.D
 Acq: 16 Apr 2019 17:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBSD02

Tot Ion: 76 Resp: 139809
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.6 38.4

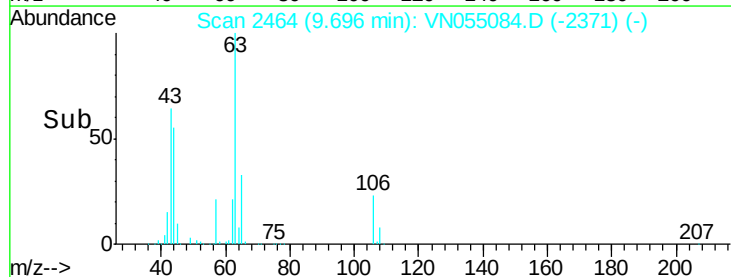
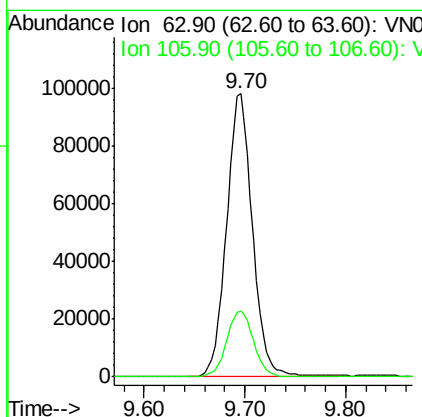
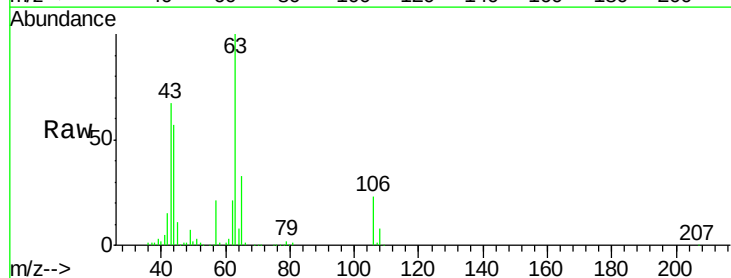
Manual Integrations
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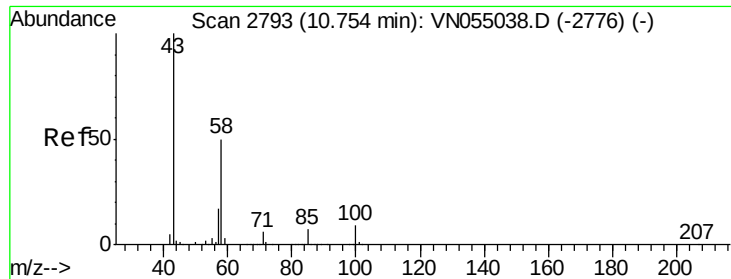
MMDadoda
 4/17/2019 4:23:10 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 89.363 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055084.D
 Acq: 16 Apr 2019 17:45

Tgt Ion: 63 Resp: 176398
 Ion Ratio Lower Upper
 63 100
 106 24.1 20.0 30.0





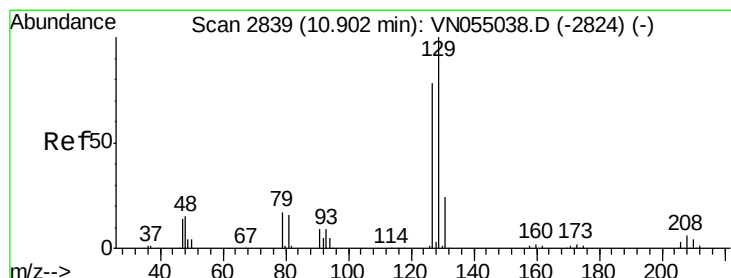
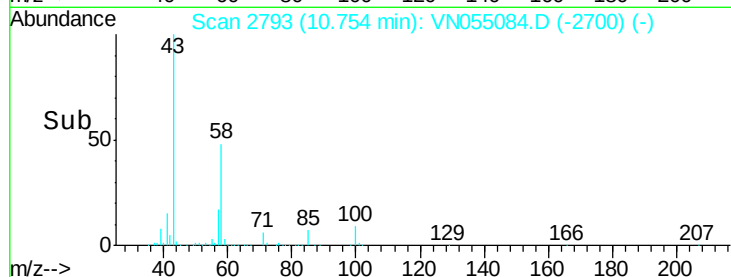
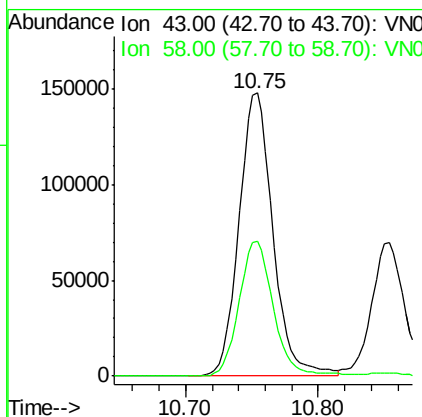
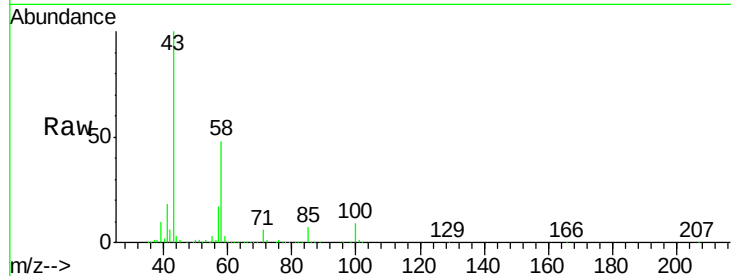
#59
2-Hexanone
Concen: 93.455 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD02

Tot Ion: 43 Resp: 260554
Ion Ratio Lower Upper
43 100
58 48.7 25.1 75.2

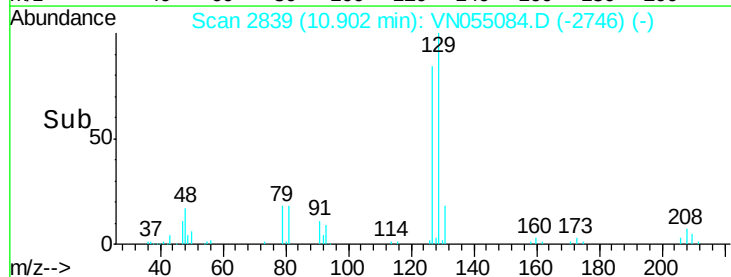
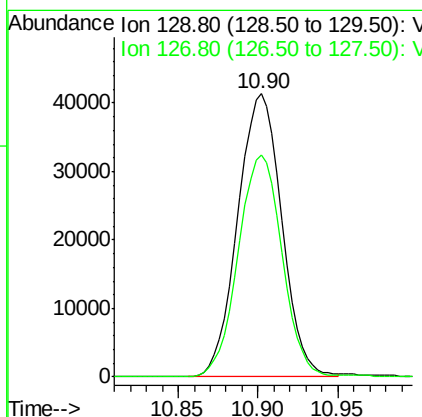
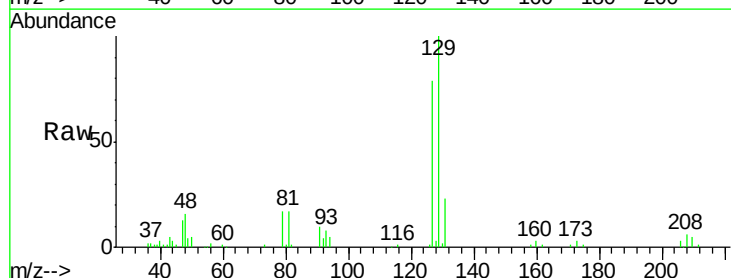
Manual Integrations
APPROVED

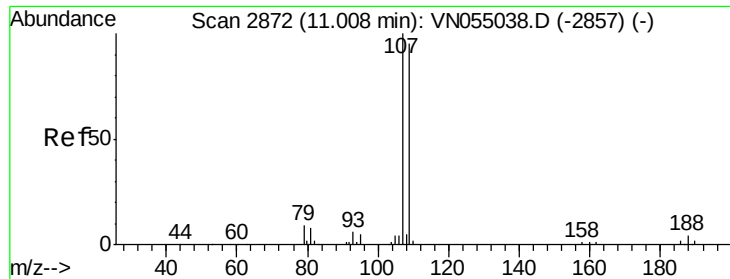
MMDadoda
4/17/2019 4:23:10 AM



#60
Dibromochloromethane
Concen: 19.590 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Tgt Ion: 129 Resp: 77922
Ion Ratio Lower Upper
129 100
127 78.0 38.2 114.6





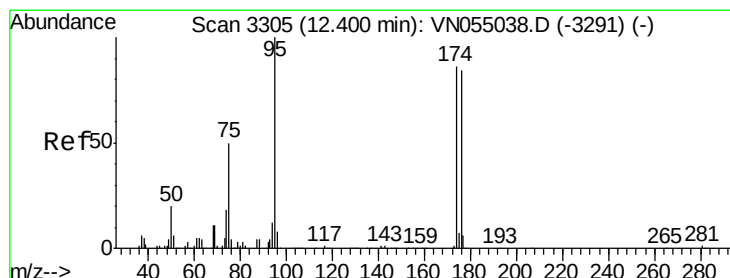
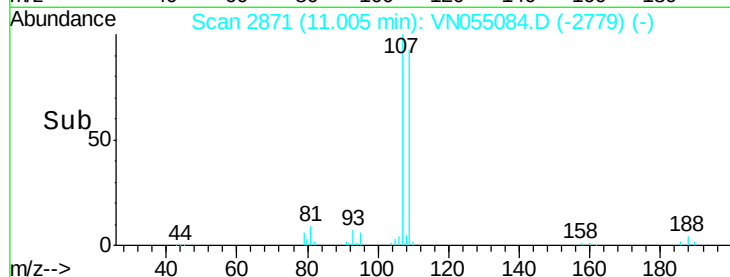
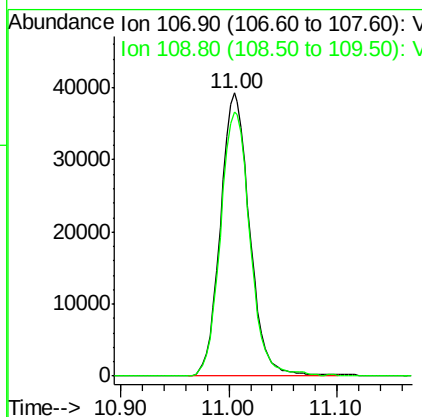
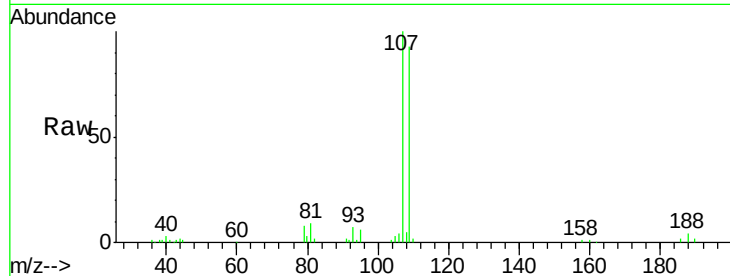
#61
 1,2-Dibromoethane
 Concen: 19.728 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN055084.D
 Acq: 16 Apr 2019 17:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBSD02

Tot Ion: 107 Resp: 73966
 Ion Ratio Lower Upper
 107 100
 109 94.0 76.5 114.7

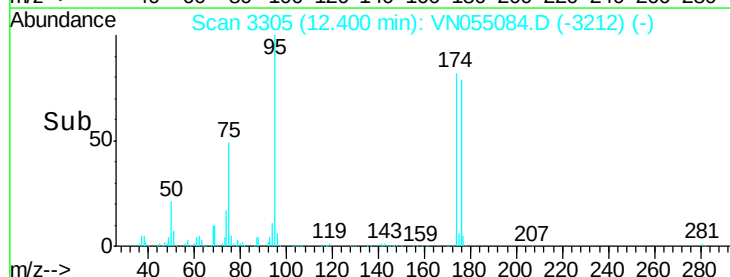
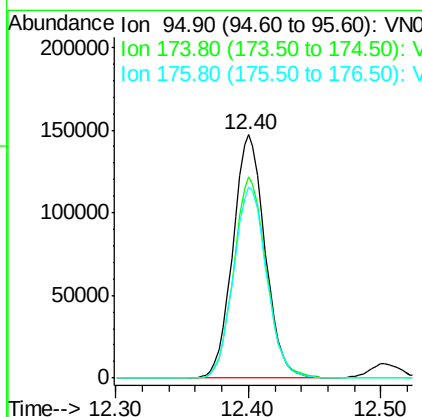
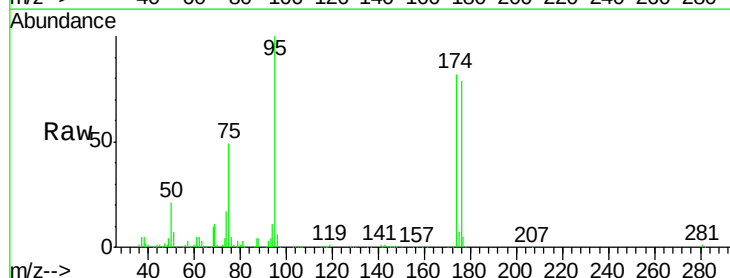
Manual Integrations
 APPROVED

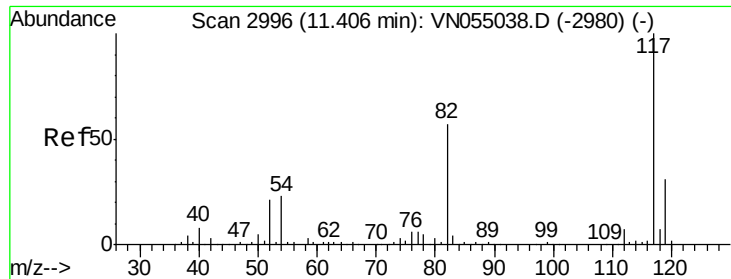
MMDadoda
 4/17/2019 4:23:10 AM



#62
 4-Bromofluorobenzene
 Concen: 48.955 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055084.D
 Acq: 16 Apr 2019 17:45

Tgt Ion: 95 Resp: 247338
 Ion Ratio Lower Upper
 95 100
 174 84.2 0.0 174.4
 176 81.3 0.0 166.8





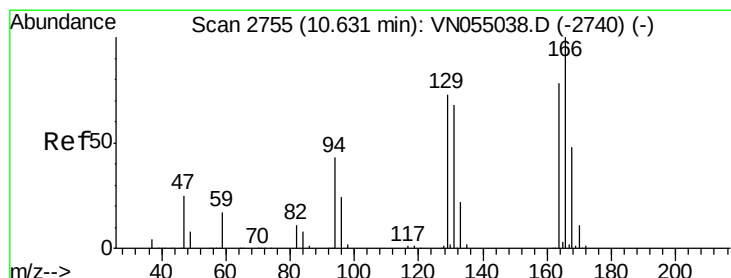
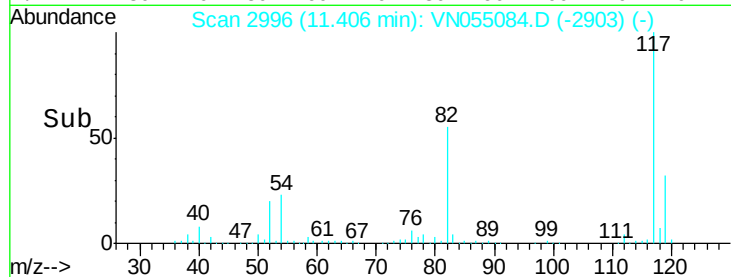
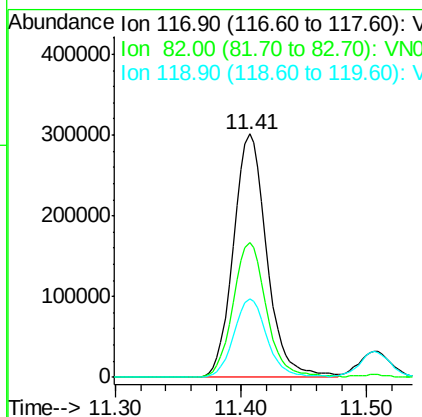
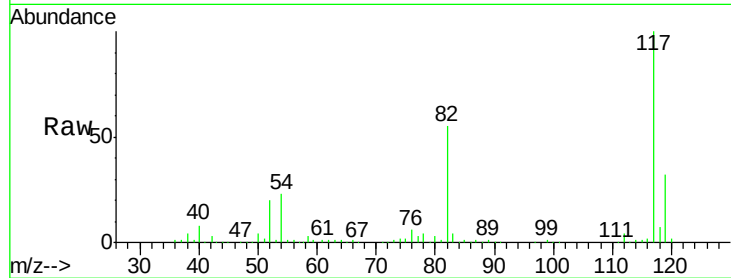
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.5	44.6	66.8
119	32.0	25.5	38.3

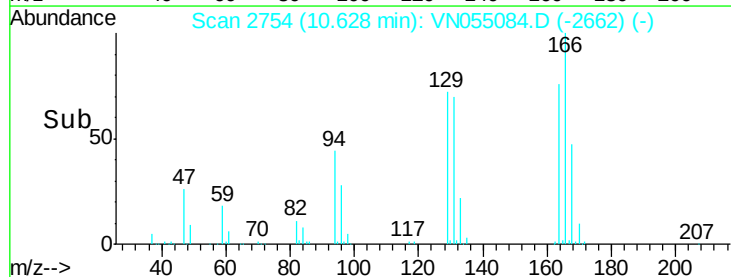
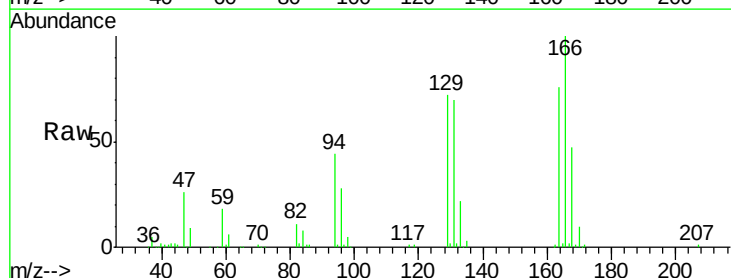
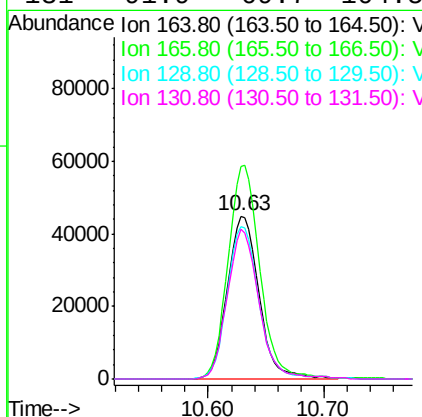
Manual Integrations
APPROVED

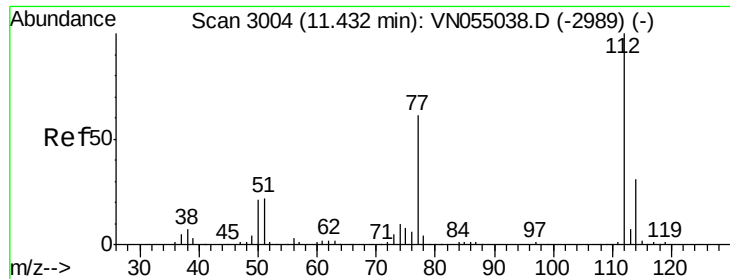
MMDadoda
4/17/2019 4:23:10 AM



#64
Tetrachloroethene
Concen: 18.622 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.8	100.0	150.0
129	94.0	72.0	108.0
131	91.9	69.7	104.5





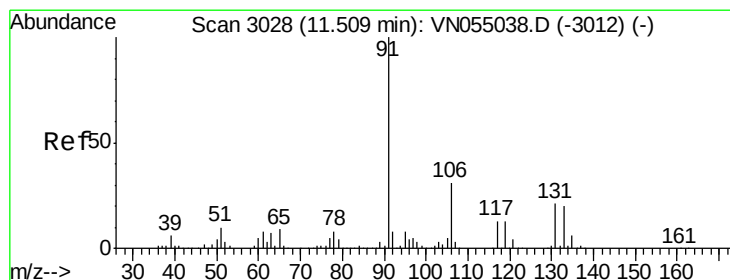
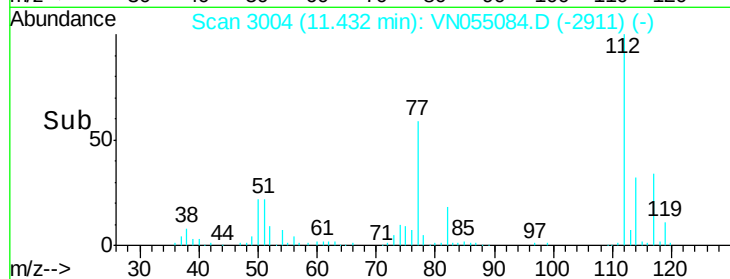
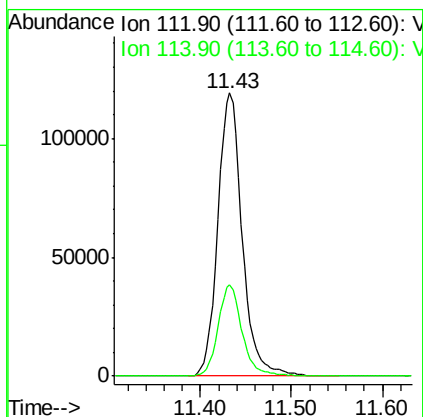
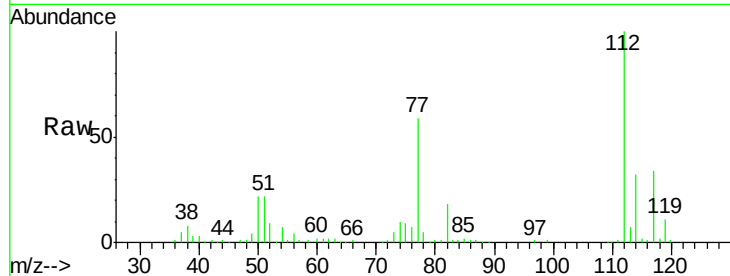
#65
Chlorobenzene
Concen: 19.739 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Instrument :
MSVOA_N
ClientSampled :
VN0416WBSD02

Tot Ion:112 Resp: 221445
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9

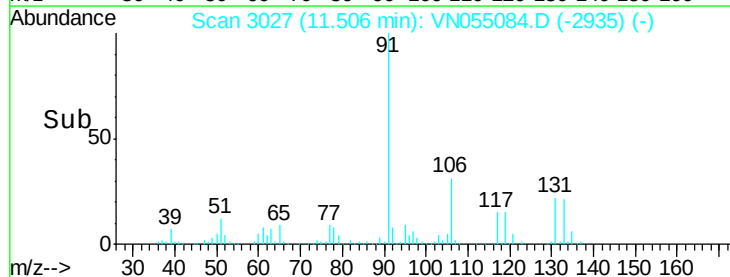
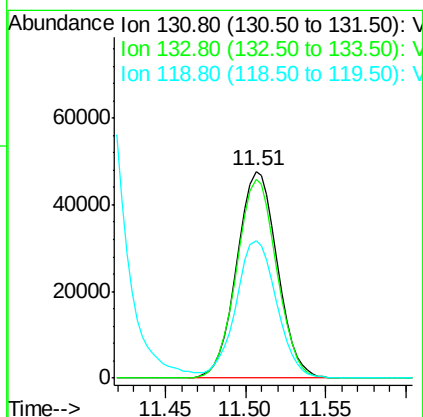
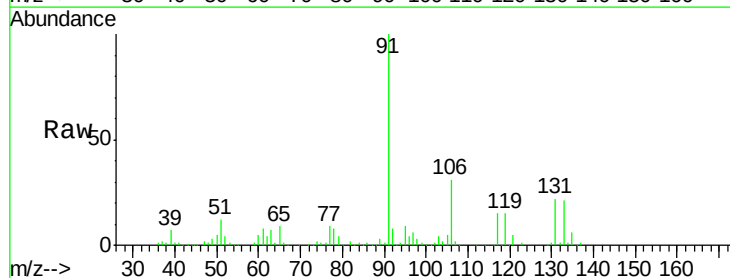
Manual Integrations
APPROVED

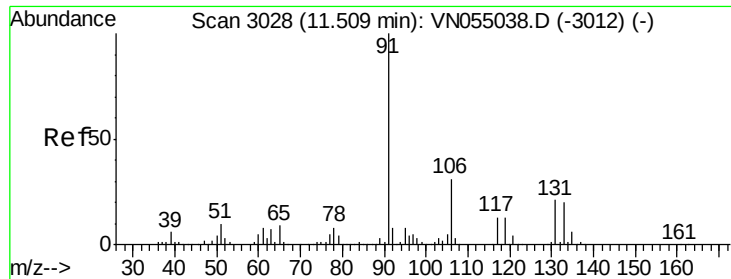
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.917 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Tgt Ion:131 Resp: 82183
Ion Ratio Lower Upper
131 100
133 95.3 47.8 143.3
119 67.4 33.6 100.6





#67

Ethyl Benzene

Concen: 19.340 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBSD02

Tot Ion: 91 Resp: 387473

Ion Ratio Lower Upper

91 100

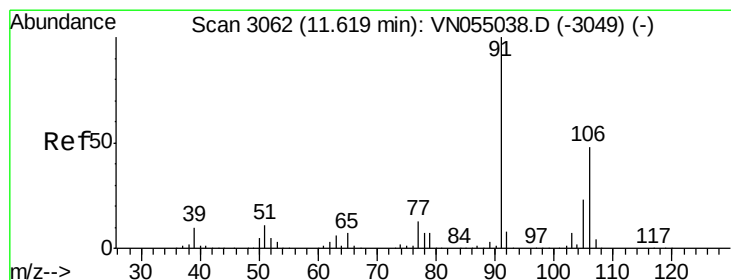
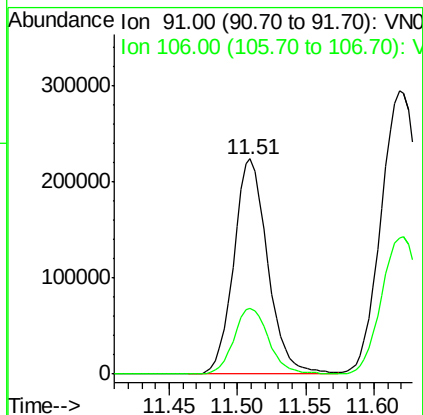
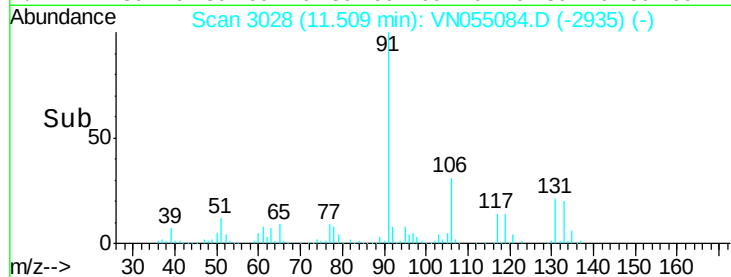
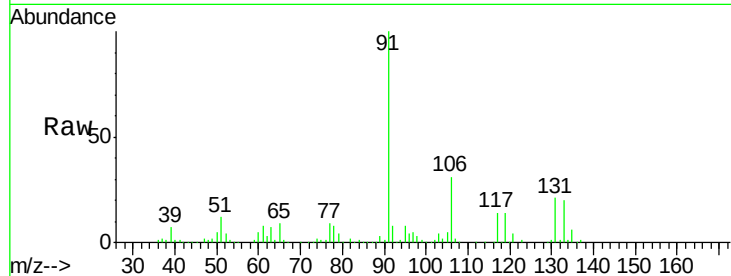
106 30.7 24.3 36.5

Manual Integrations

APPROVED

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4/17/2019 4:23:10 AM



#68

m/p-Xylenes

Concen: 39.551 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN055084.D

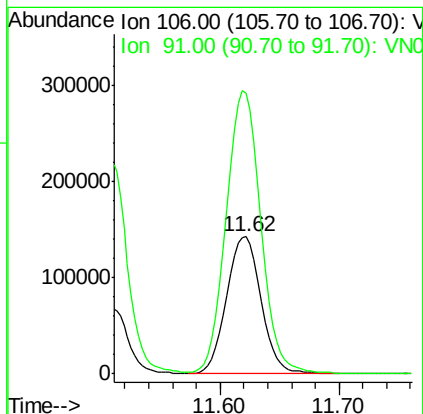
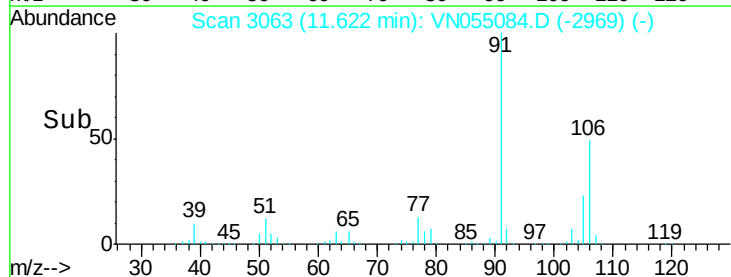
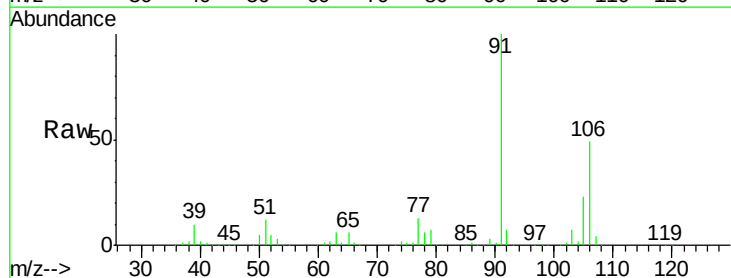
Acq: 16 Apr 2019 17:45

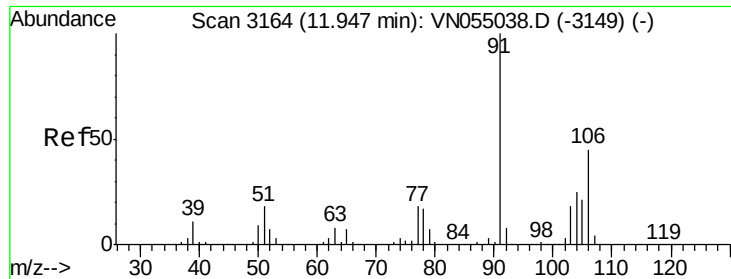
Tgt Ion: 106 Resp: 286934

Ion Ratio Lower Upper

106 100

91 207.7 165.9 248.9





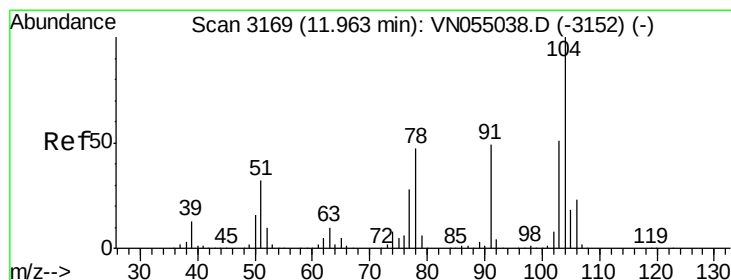
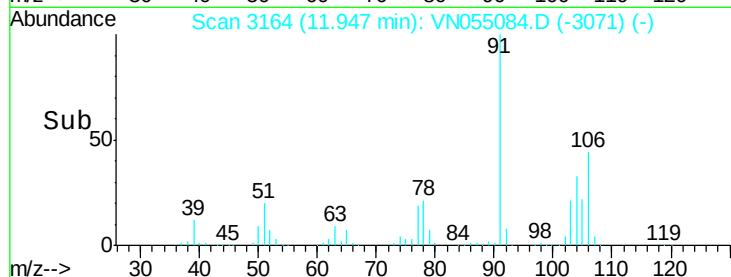
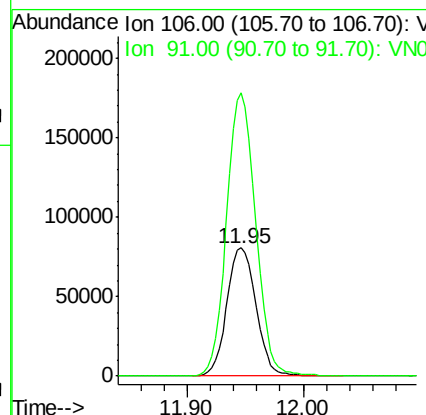
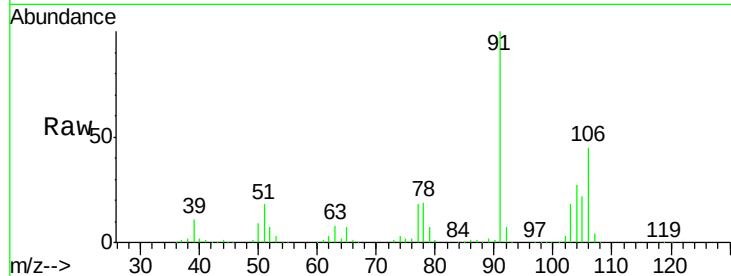
#69
o-Xylene
Concen: 20.053 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	219.4	109.9	329.8	

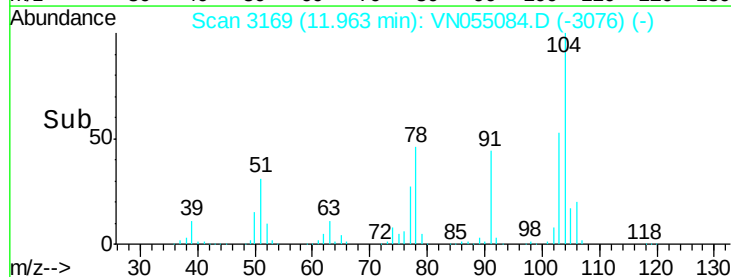
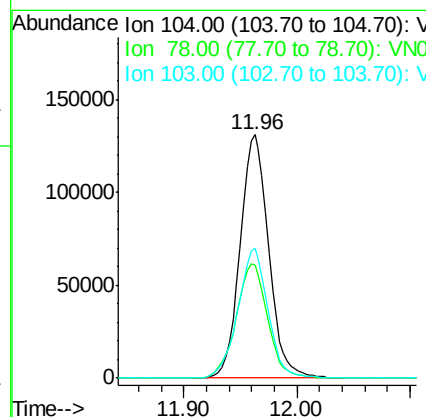
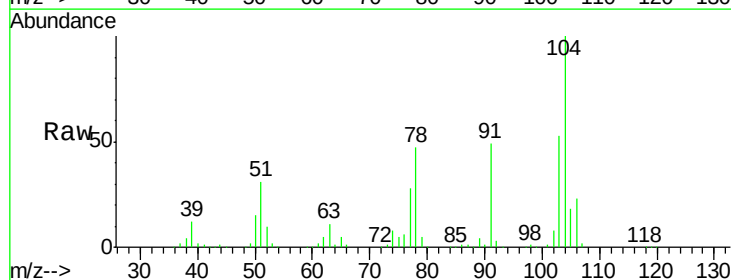
Manual Integrations
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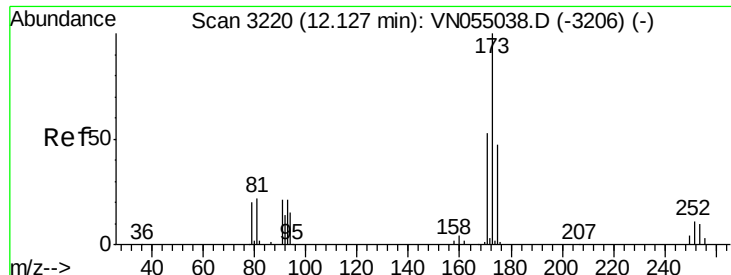
MMDadoda
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#70
Styrene
Concen: 20.298 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	51.8	40.3	60.5	
103	56.1	44.3	66.5	





#71

Bromoform

Concen: 19.502 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Instrument :

MSVOA_N

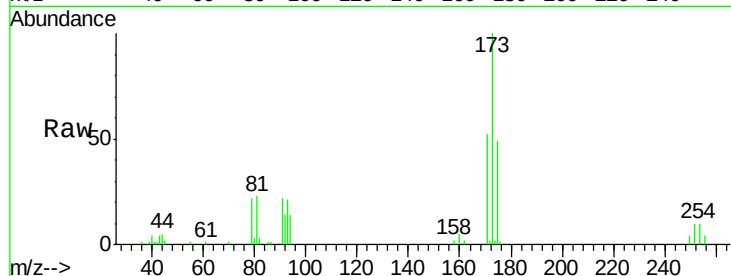
ClientSampleId :

VN0416WBSD02

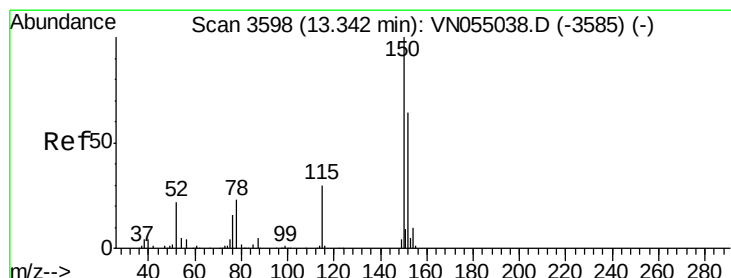
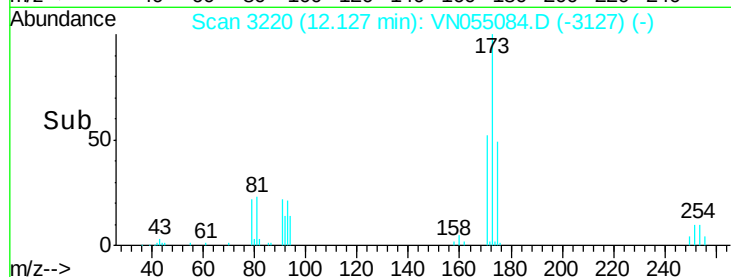
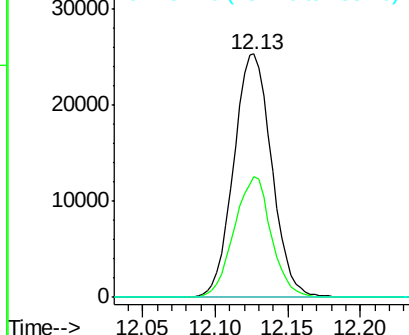
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.3	73.0
254	0.0	0.1	0.1#

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

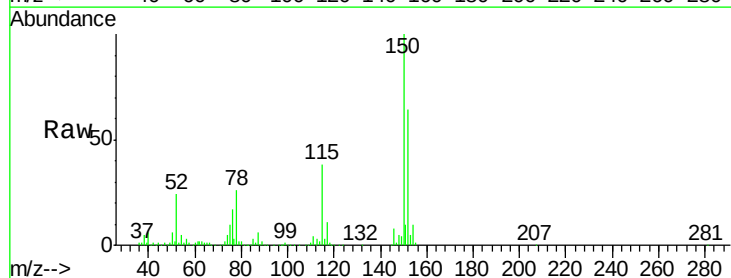
RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

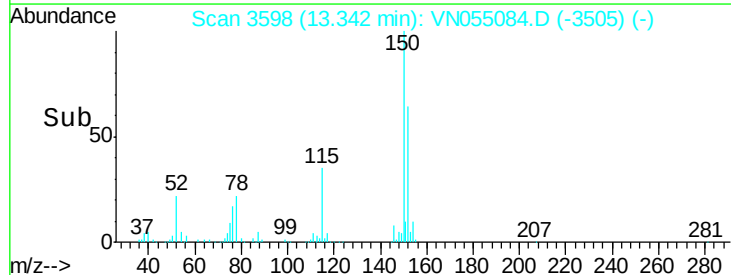
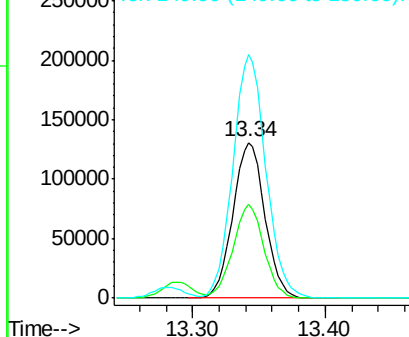
Lab File: VN055084.D

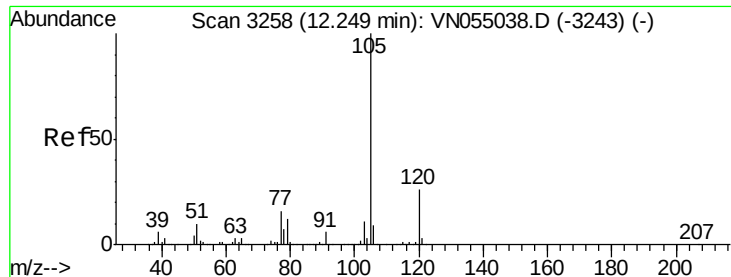
Acq: 16 Apr 2019 17:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.5	85.6
150	162.2	0.0	347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.267 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Instrument :

MSVOA_N

ClientSampleID :

VN0416WBSD02

Tot Ion: 105 Resp: 372600

Ion Ratio Lower Upper

105 100

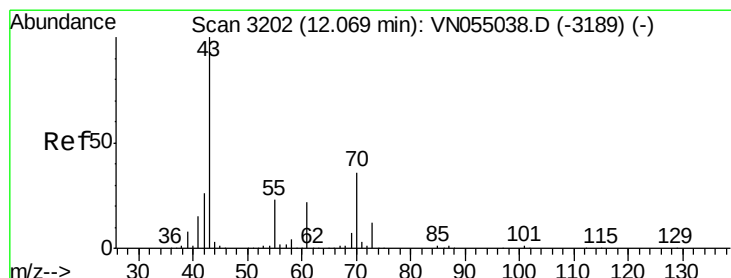
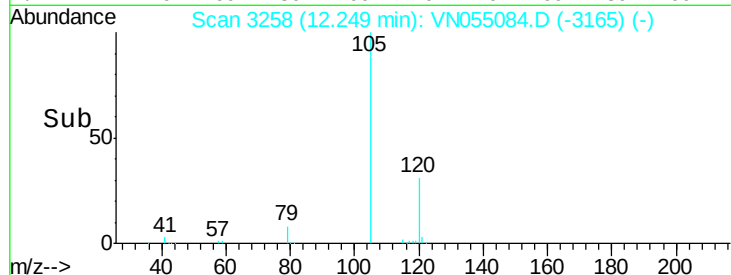
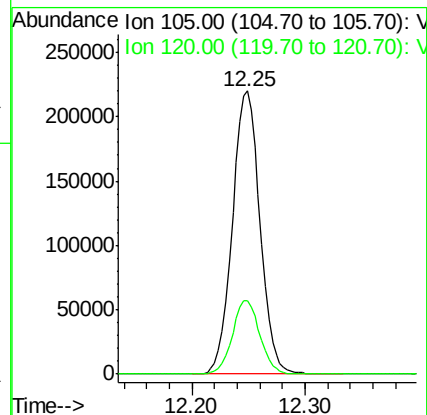
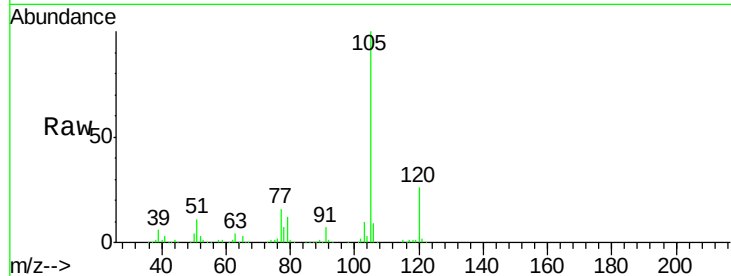
120 26.0 13.3 39.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.983 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Tgt Ion: 43 Resp: 108783

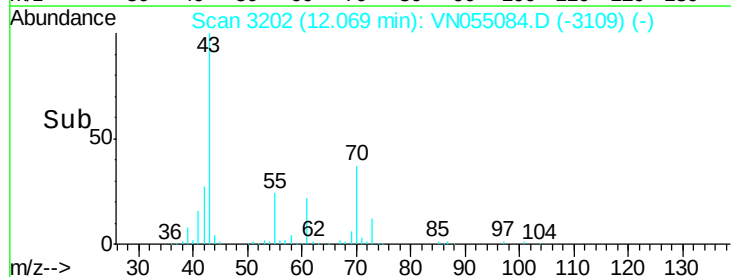
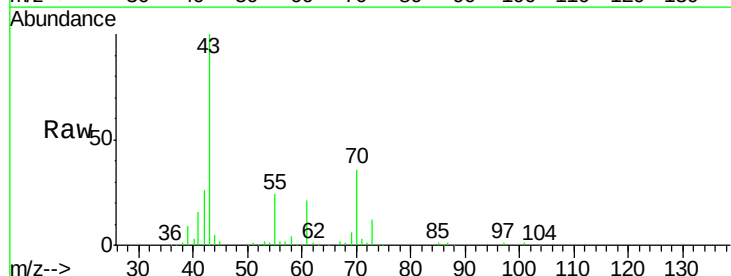
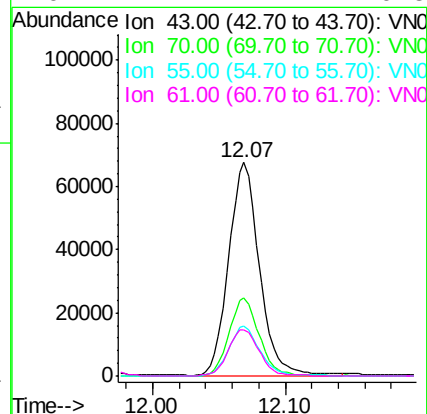
Ion Ratio Lower Upper

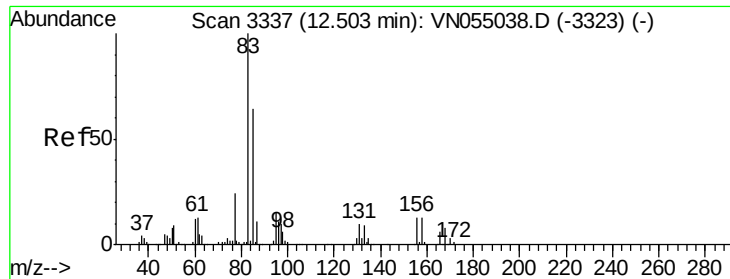
43 100

70 36.0 29.4 44.0

55 23.6 19.0 28.4

61 22.2 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 18.900 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Instrument :

MSVOA_N

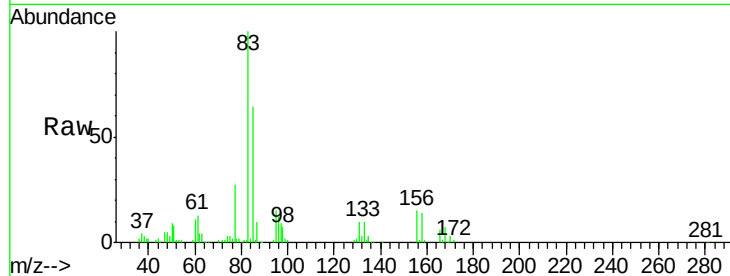
ClientSampleId :

VN0416WBSD02

Tot Ion:	83	Resp:	97804
Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.0	15.0
85	64.7	32.3	96.9

Manual Integrations
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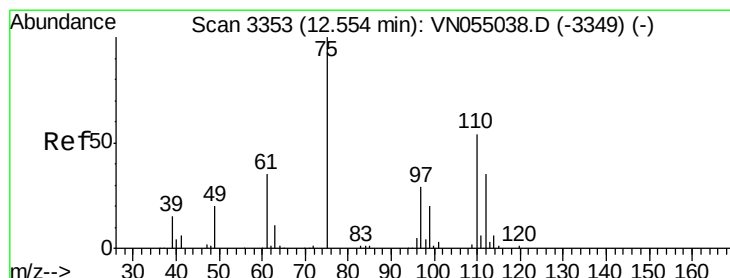
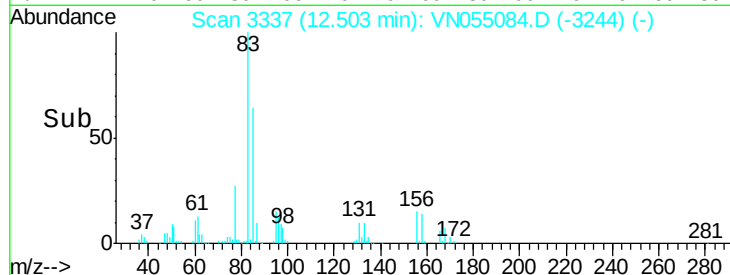
Abundance Ion 82.90 (82.60 to 83.60): VN055084.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN055084.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN055084.D (-3323) (-)

Time-->

12.50



#76

1,2,3-Trichloropropane

Concen: 19.865 ug/l m

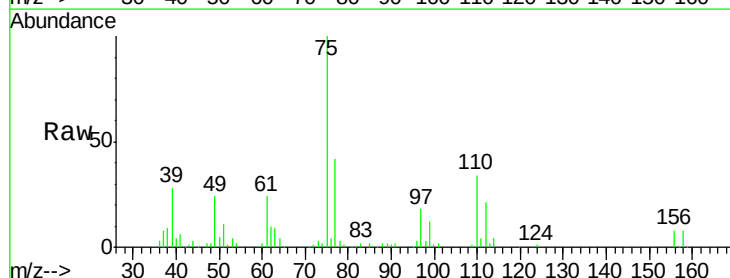
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Tgt Ion:	75	Resp:	77849
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

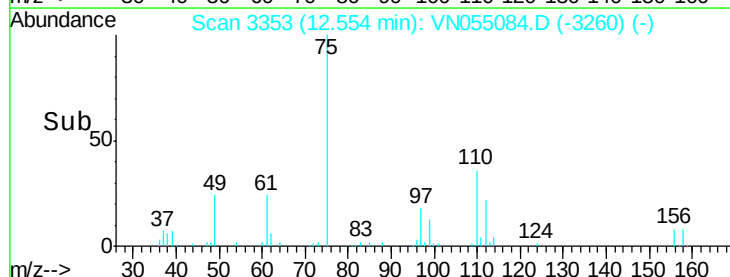


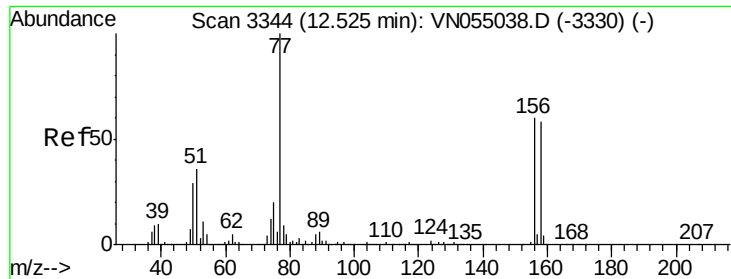
Abundance Ion 74.90 (74.60 to 75.60): VN055084.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN055084.D (-3353) (-)

Time-->

12.55





#77

Bromobenzene

Concen: 19.172 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Instrument :

MSVOA_N

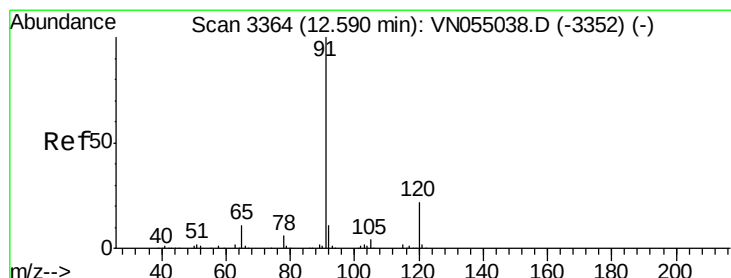
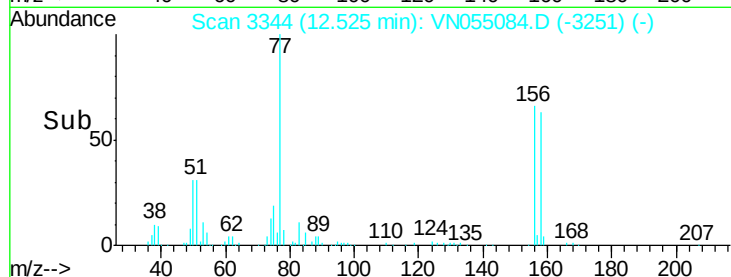
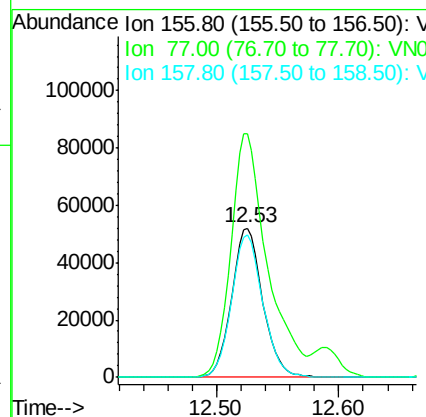
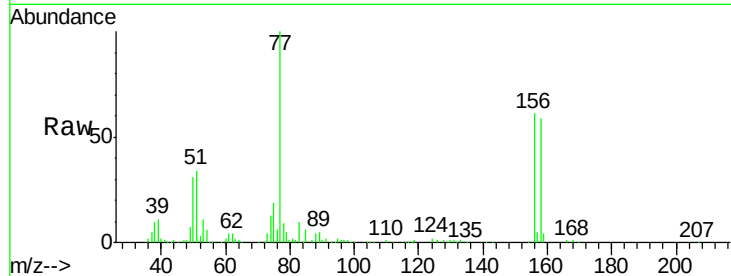
ClientSampleId :

VN0416WBSD02

Tot Ion:	156	Resp:	92433
Ion Ratio	Lower	Upper	
156	100		
77	191.5	97.2	291.5
158	96.4	48.6	145.9

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#78

n-propylbenzene

Concen: 18.942 ug/l

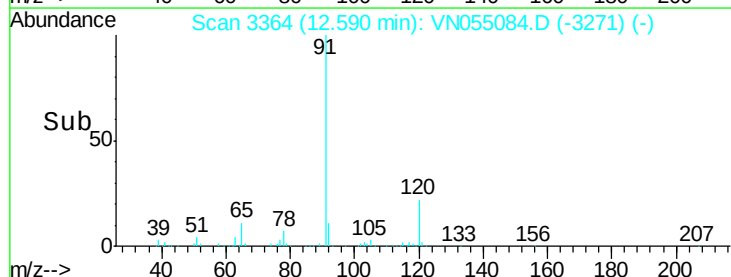
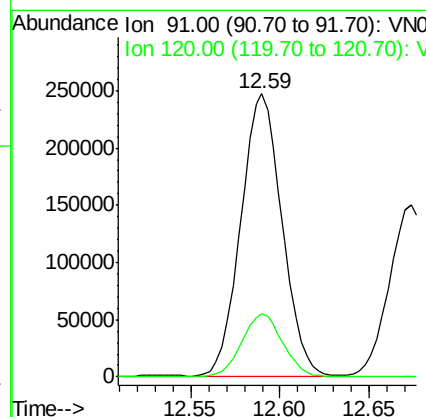
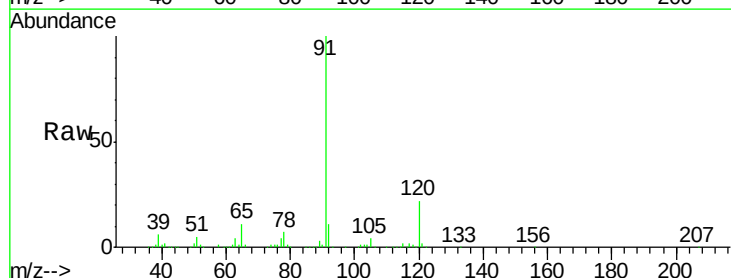
RT: 12.59 min Scan# 3364

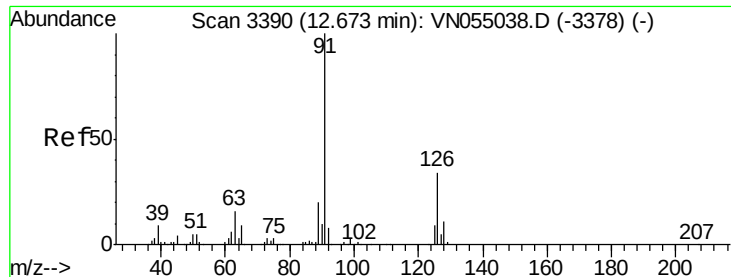
Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Tgt Ion:	91	Resp:	395777
Ion Ratio	Lower	Upper	
91	100		
120	22.5	11.2	33.5





#79

2-Chlorotoluene

Concen: 19.351 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBSD02

Tot Ion: 91 Resp: 252185

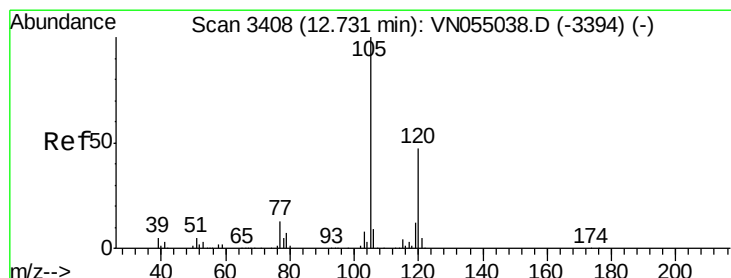
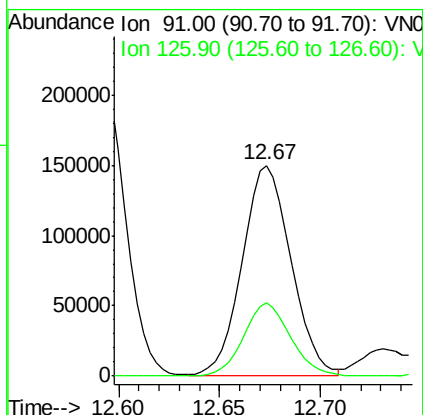
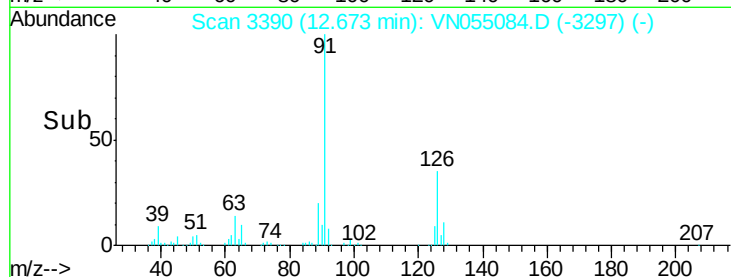
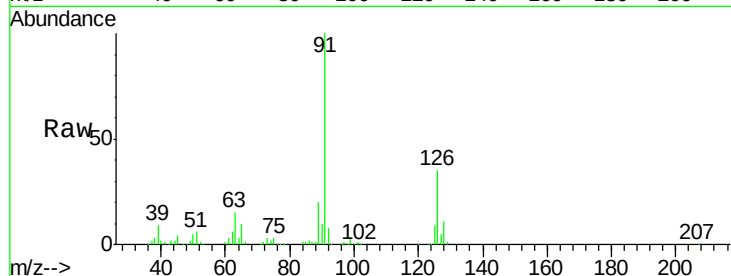
Ion Ratio Lower Upper

91 100

126 33.8 17.1 51.2

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 19.420 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055084.D

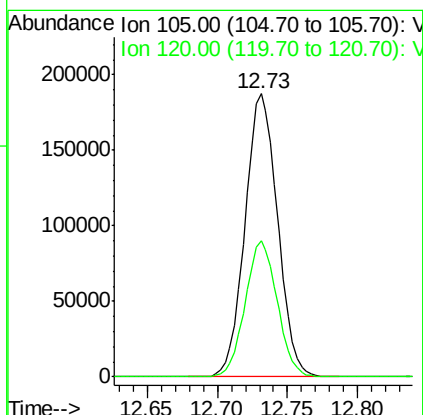
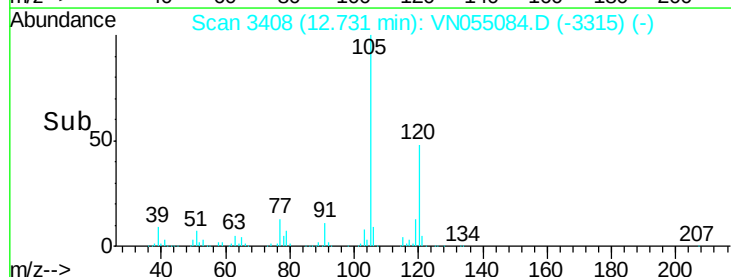
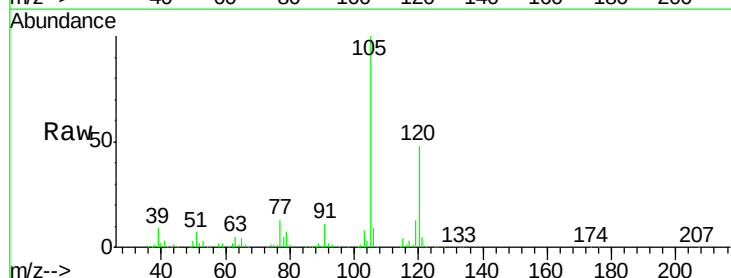
Acq: 16 Apr 2019 17:45

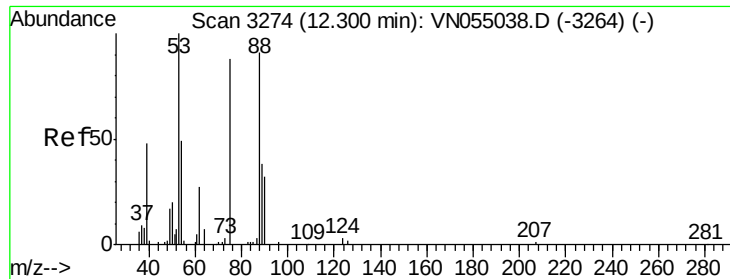
Tgt Ion: 105 Resp: 303074

Ion Ratio Lower Upper

105 100

120 47.3 24.3 72.8





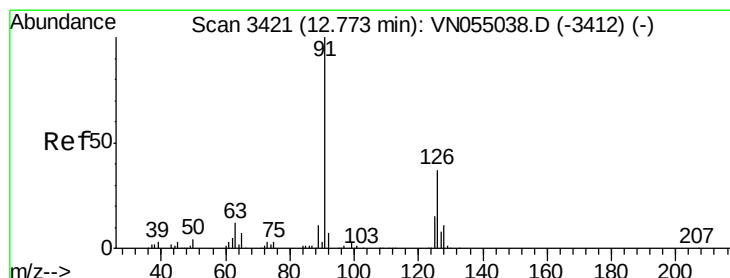
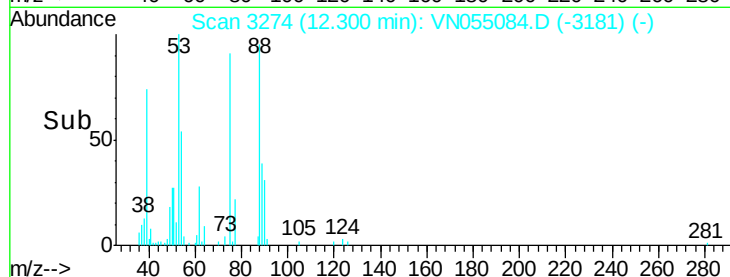
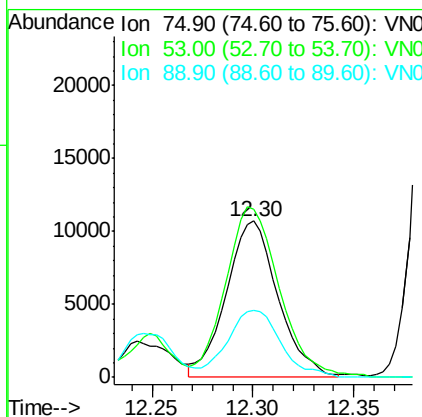
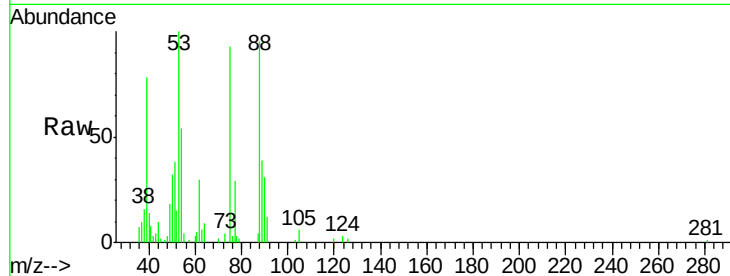
#81
trans-1,4-Dichloro-2-butene
Concen: 19.660 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.9	96.3	144.5
89	44.4	38.6	57.8

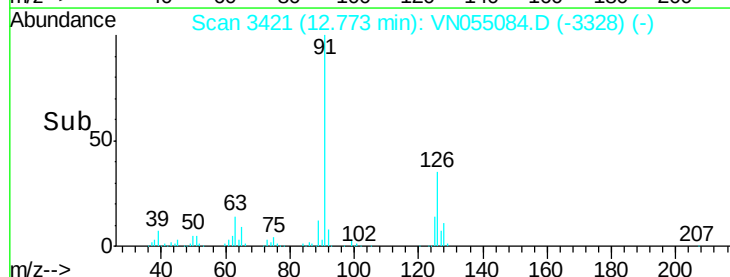
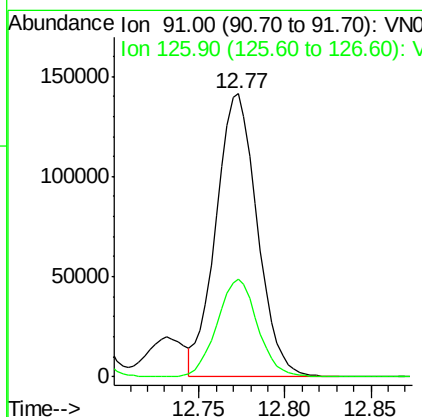
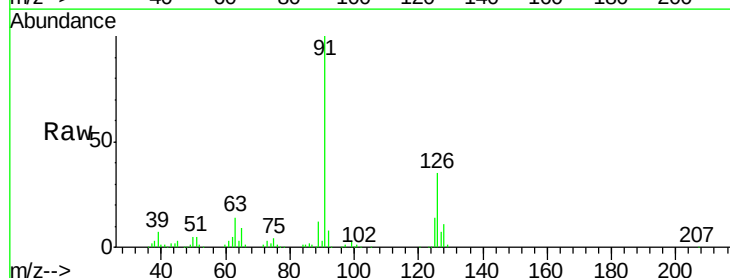
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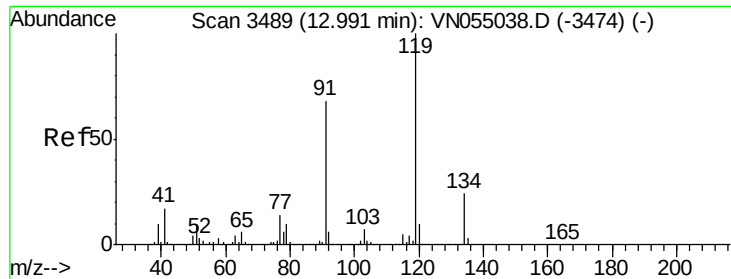
MMDadoda
4/17/2019 4:23:10 AM



#82
4-Chlorotoluene
Concen: 19.368 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.1	16.4	49.2





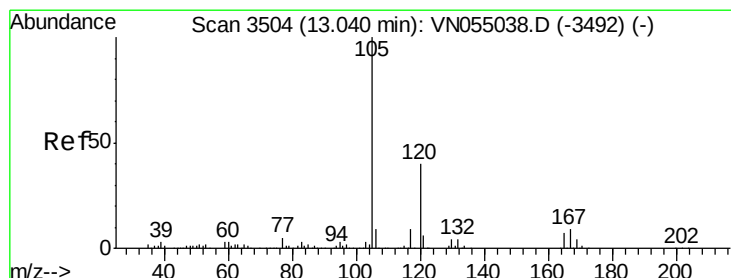
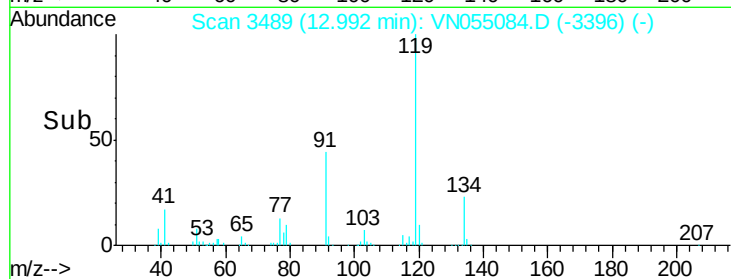
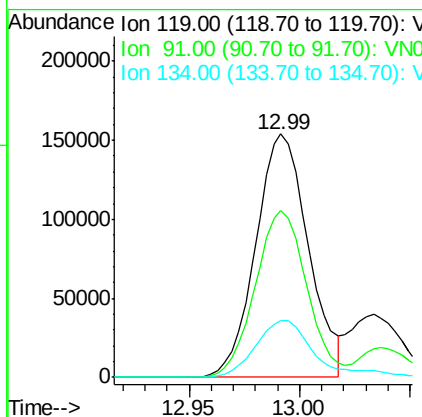
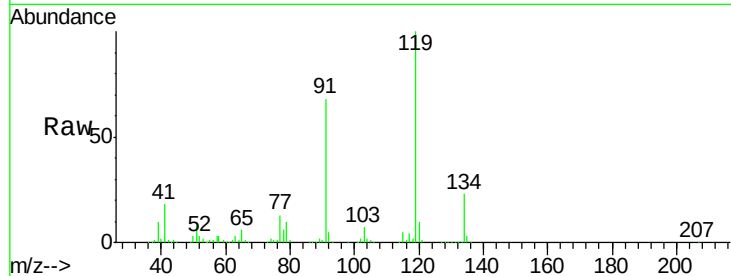
#83
 tert-Butylbenzene
 Concen: 19.346 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055084.D
 Acq: 16 Apr 2019 17:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.0	33.3	99.8
134	26.5	12.3	36.9

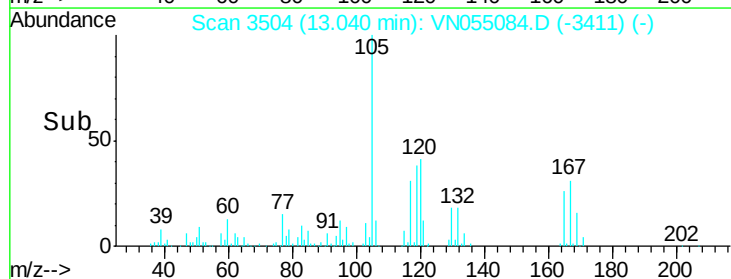
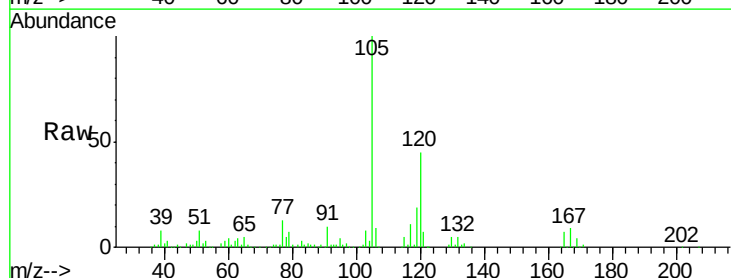
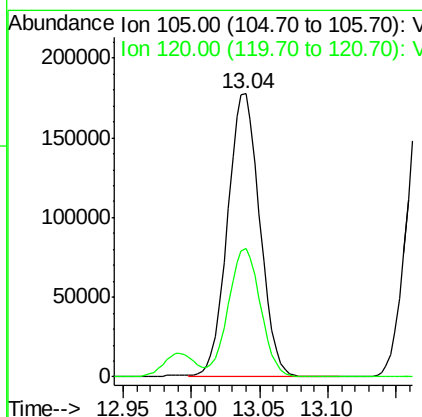
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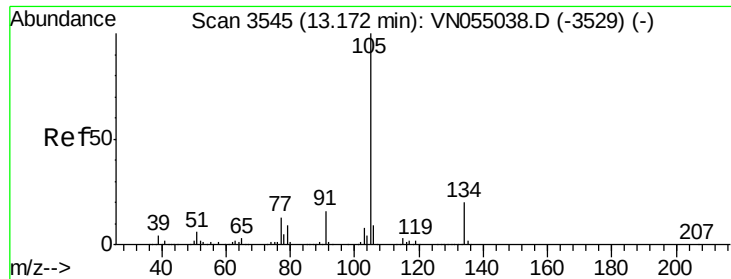
MMDadoda
 4/17/2019 4:23:10 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.740 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055084.D
 Acq: 16 Apr 2019 17:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.4	67.3





#85

sec-Butylbenzene

Concen: 19.388 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBSD02

Tot Ion:105 Resp: 325603

Ion Ratio Lower Upper

105 100

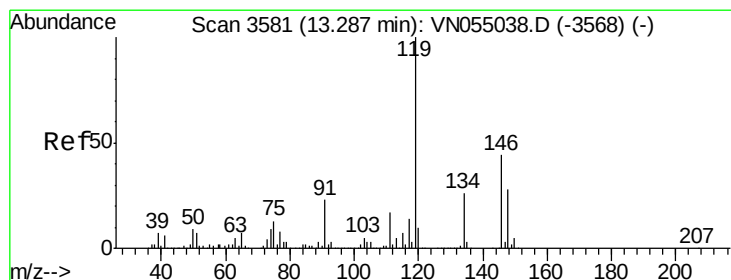
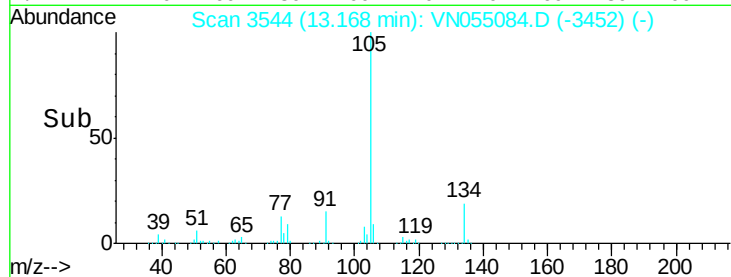
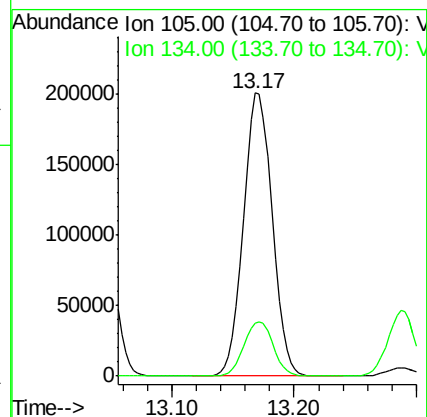
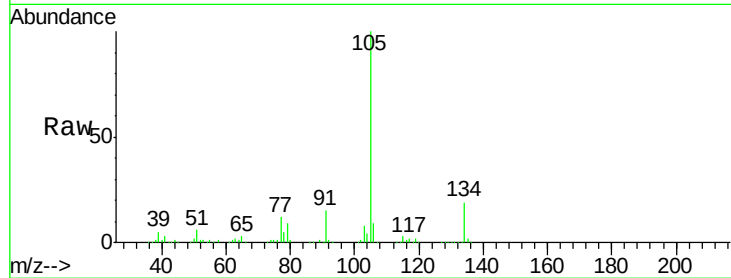
134 19.5 9.8 29.3

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#86

p-Isopropyltoluene

Concen: 19.324 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

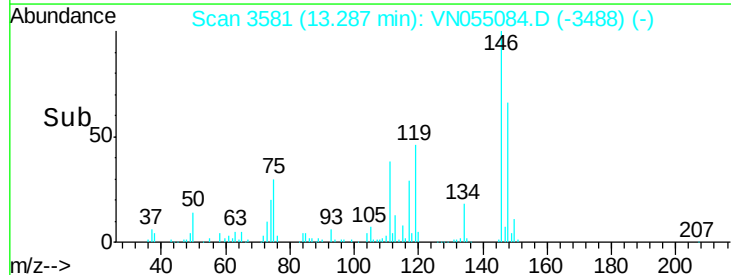
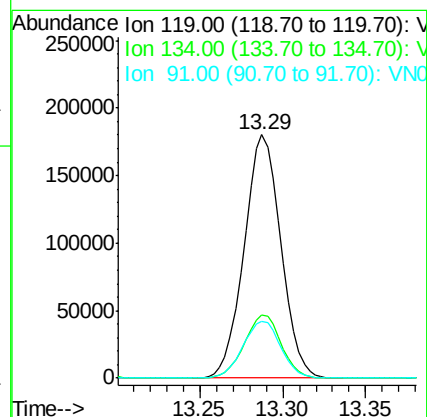
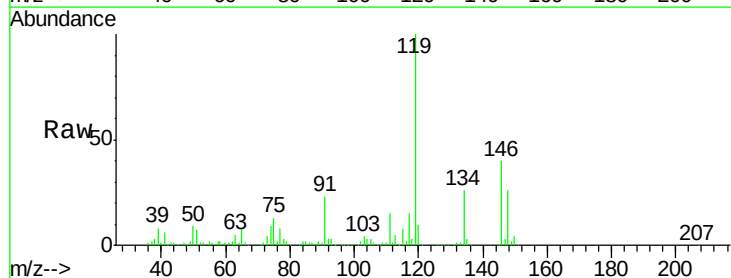
Tgt Ion:119 Resp: 278429

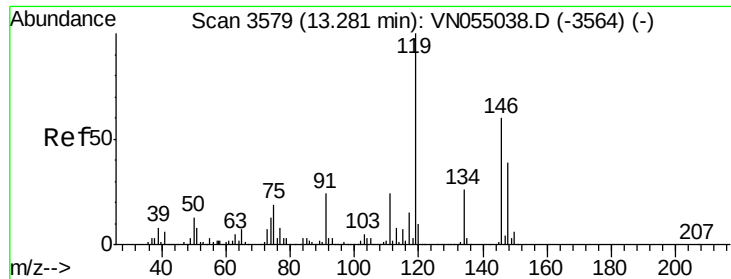
Ion Ratio Lower Upper

119 100

134 26.1 13.2 39.5

91 23.9 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 19.471 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Instrument :

MSVOA_N

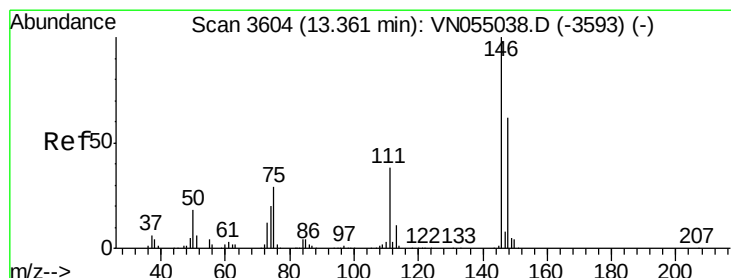
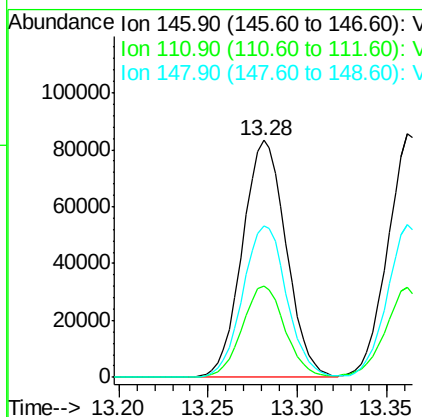
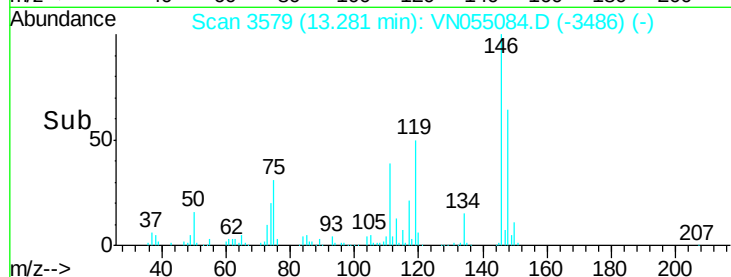
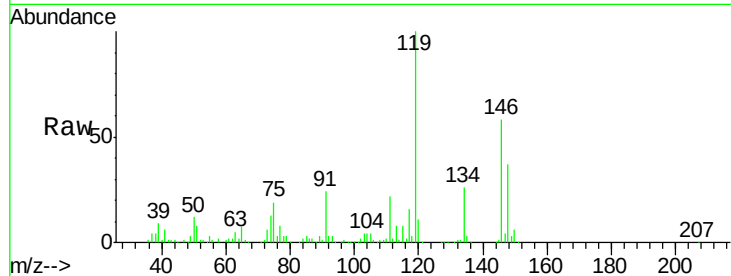
ClientSampleId :

VN0416WBSD02

Tot Ion:	146	Resp:	142689
Ion Ratio	Lower	Upper	
146	100		
111	37.7	19.5	58.5
148	64.3	31.6	94.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.926 ug/l

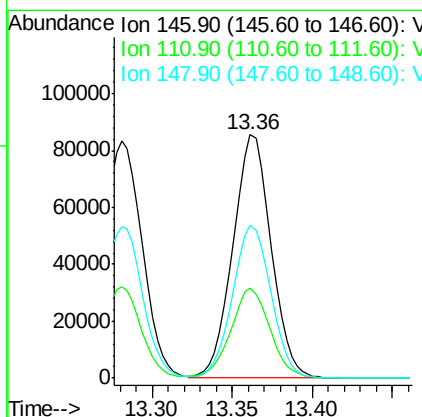
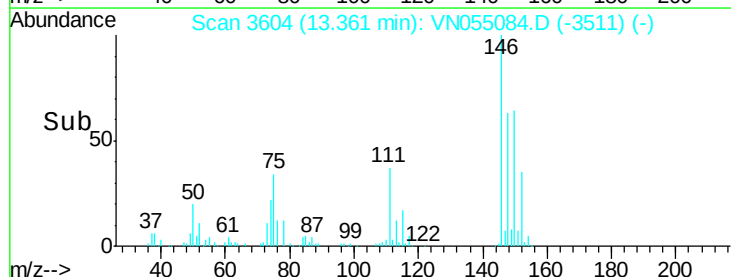
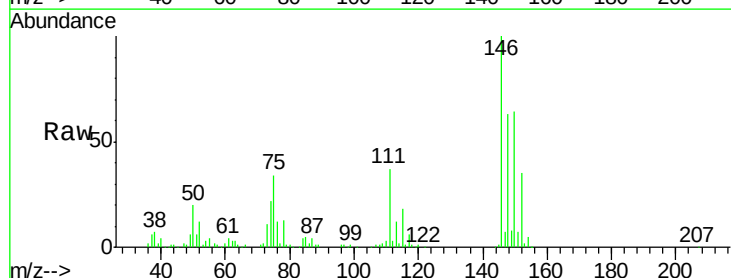
RT: 13.36 min Scan# 3604

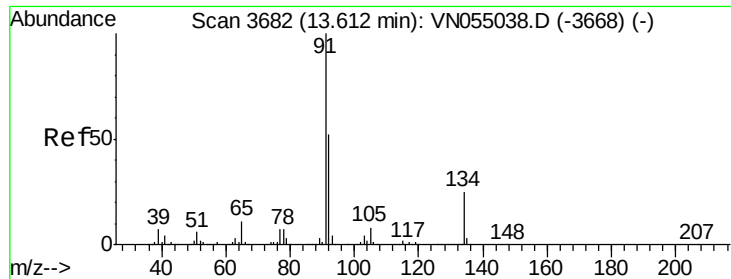
Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Tgt Ion:	146	Resp:	139245
Ion Ratio	Lower	Upper	
146	100		
111	38.0	18.8	56.4
148	63.2	32.4	97.2





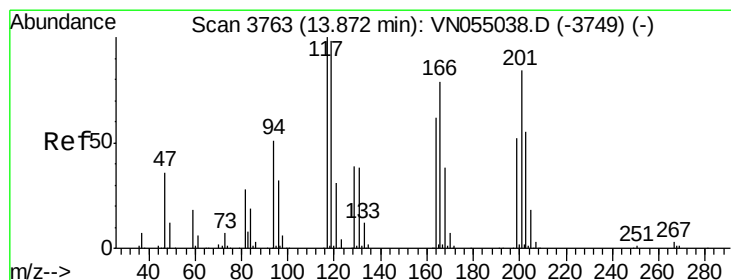
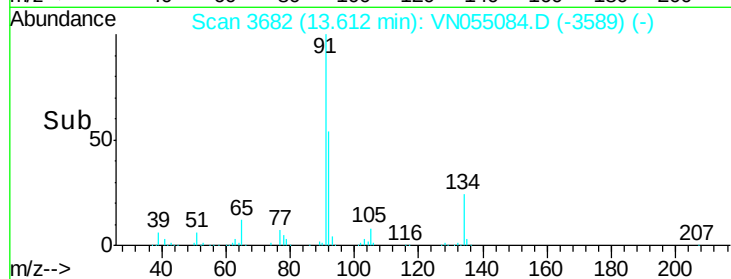
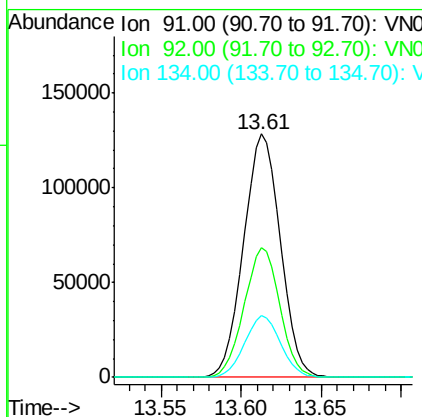
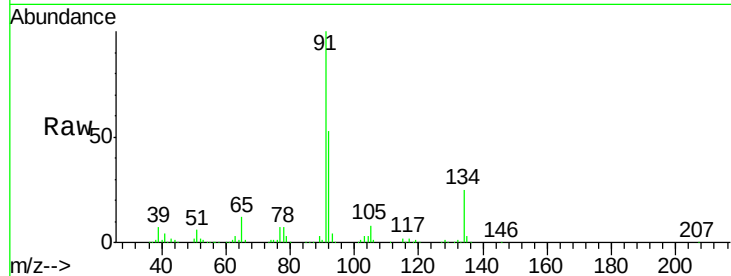
#89
n-Butylbenzene
Concen: 18.861 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	25.9	77.7
134	24.8	12.8	38.3

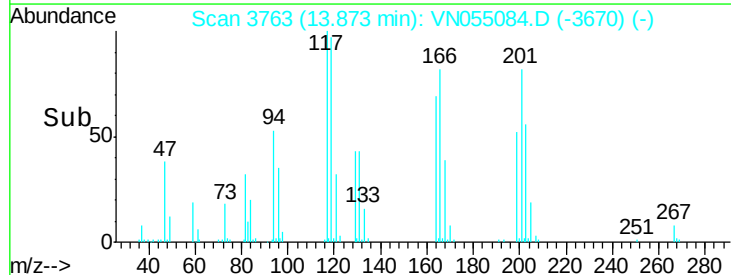
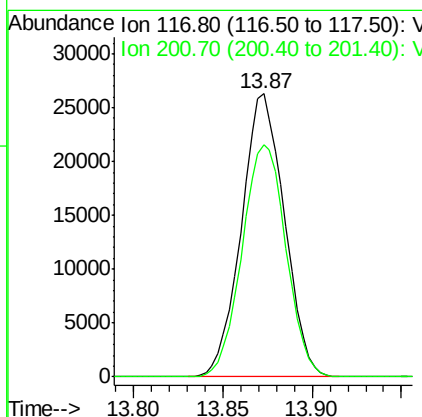
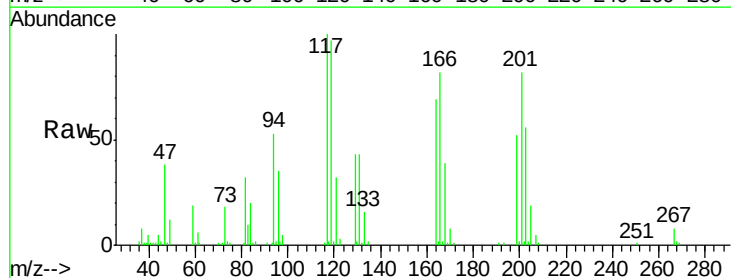
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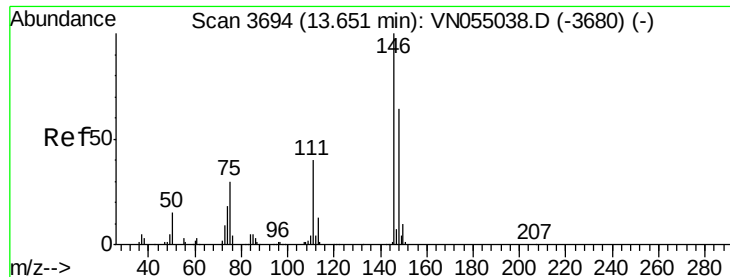
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#90
Hexachloroethane
Concen: 18.862 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055084.D
Acq: 16 Apr 2019 17:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.6	43.4	130.2





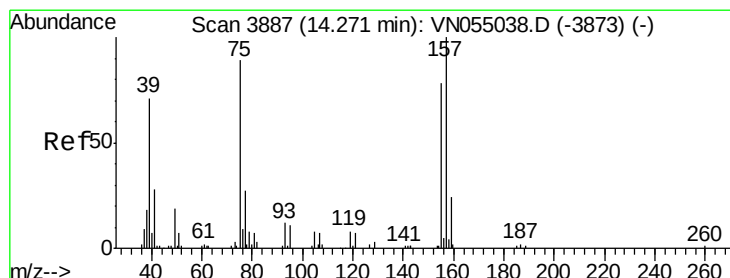
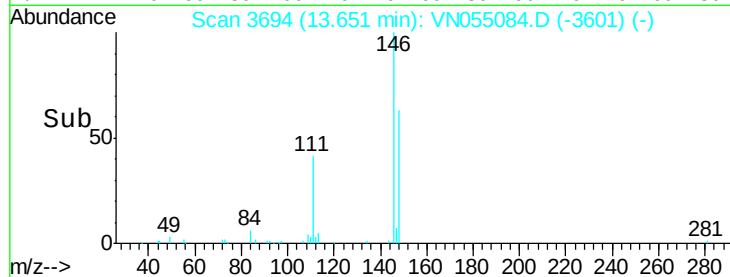
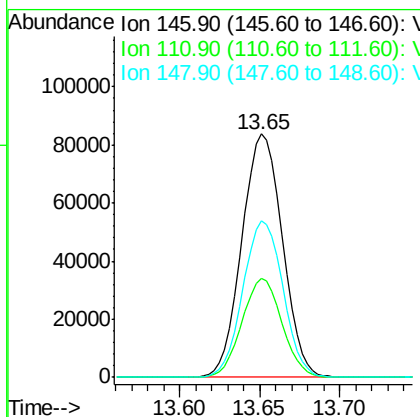
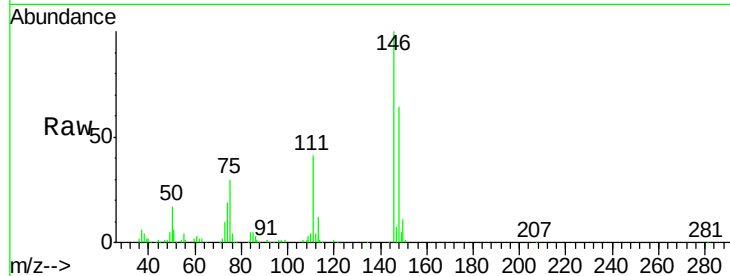
#91
 1,2-Dichlorobenzene
 Concen: 19.766 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055084.D
 Acq: 16 Apr 2019 17:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.3	60.9
148	63.3	32.2	96.6

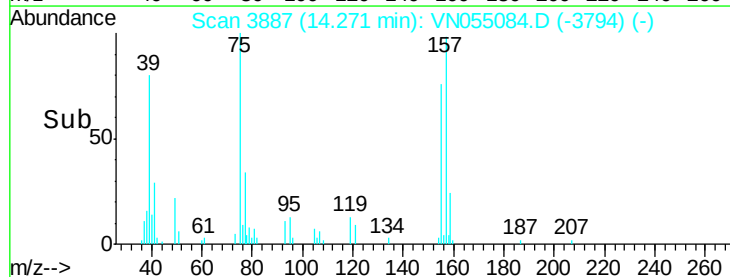
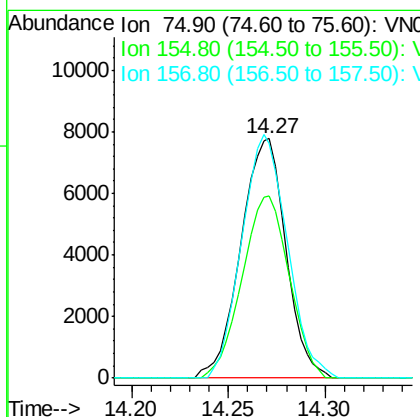
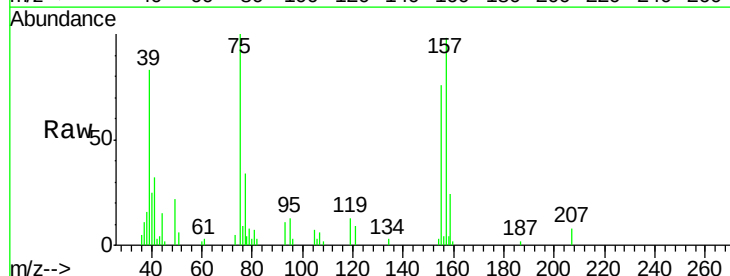
Manual Integrations
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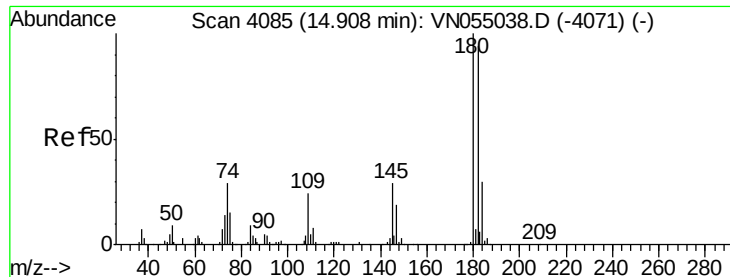
MMDadoda
 4/17/2019 4:23:10 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.811 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN055084.D
 Acq: 16 Apr 2019 17:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.0	42.0	126.0
157	102.7	52.1	156.4





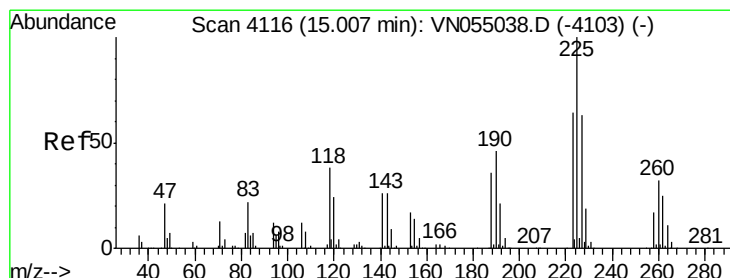
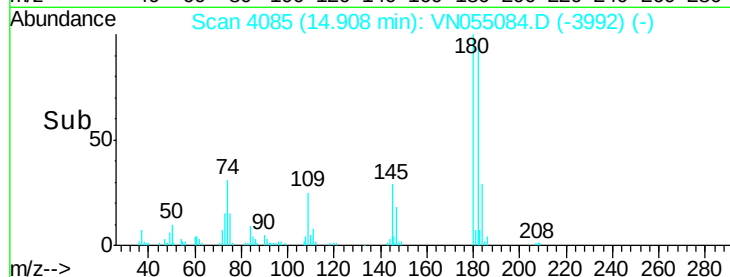
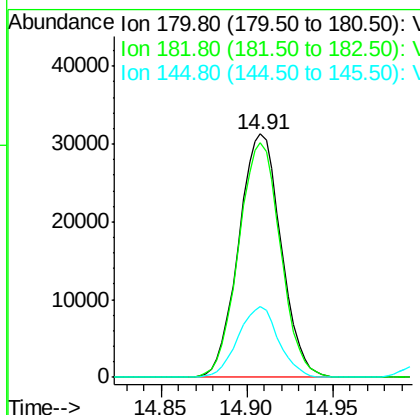
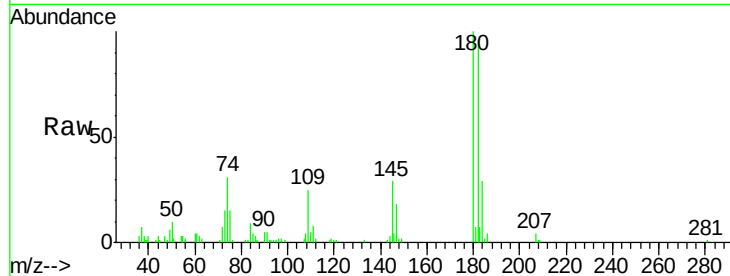
#93
 1,2,4-Trichlorobenzene
 Concen: 17.817 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055084.D
 Acq: 16 Apr 2019 17:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.5	142.6
145	27.9	14.2	42.8

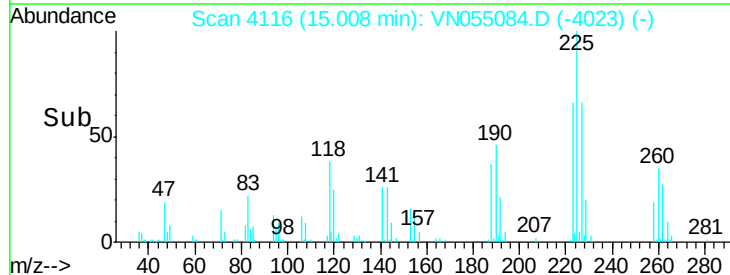
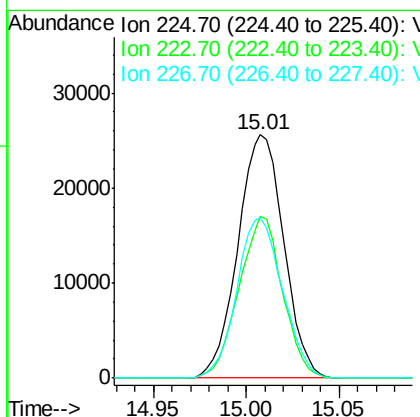
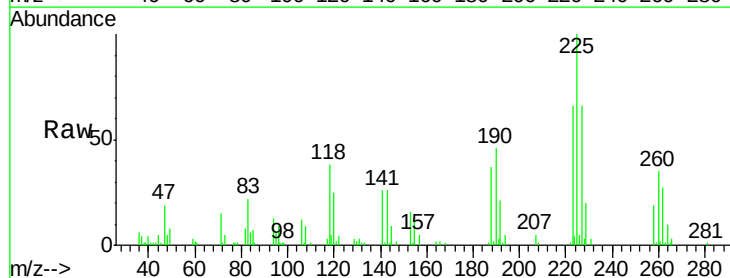
Manual Integrations
 APPROVED

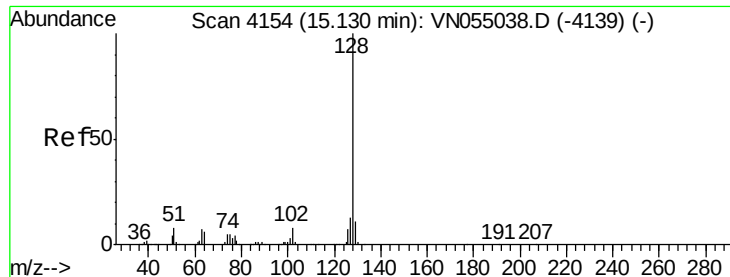
MMDadoda
 4/17/2019 4:23:10 AM



#94
 Hexachlorobutadiene
 Concen: 19.262 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055084.D
 Acq: 16 Apr 2019 17:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.4	94.0
227	65.4	32.6	97.7





#95

Naphthalene

Concen: 16.954 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Instrument :

MSVOA_N

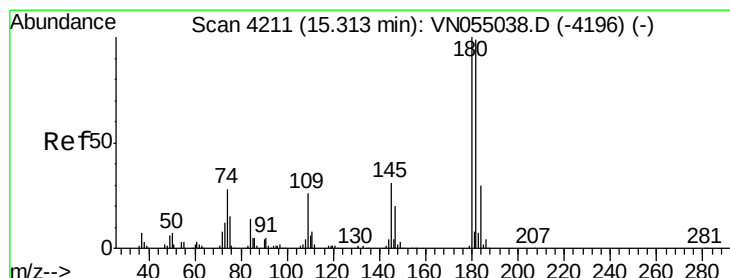
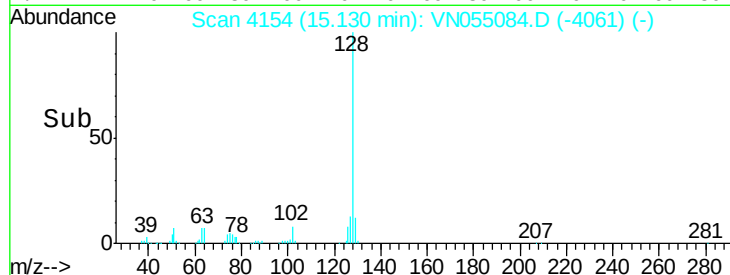
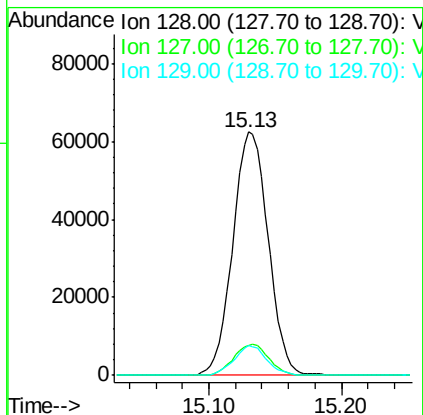
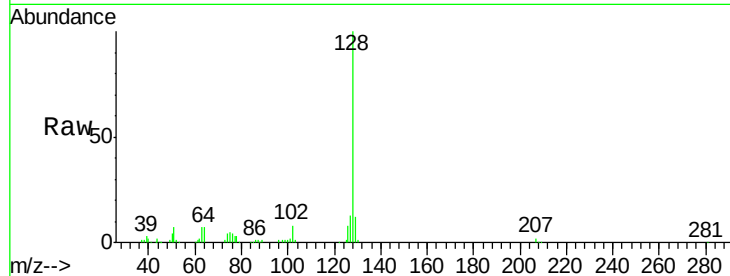
ClientSampleId :

VN0416WBSD02

Tot Ion:	128	Resp:	115600
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.1	15.1
129	11.1	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/17/2019 4:23:10 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.507 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055084.D

Acq: 16 Apr 2019 17:45

Tgt Ion:	180	Resp:	55486
Ion Ratio	Lower	Upper	
180	100		
182	96.0	48.0	144.0
145	29.4	15.3	45.9

