

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030119\
 Data File : VN054027.D
 Acq On : 1 Mar 2019 14:10
 Operator : JC/SP
 Sample : VN0301WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0301WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/6/2019 10:23:49 AM

Quant Time: Mar 02 00:05:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N030119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 01 11:11:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	114749	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	617896	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	534895	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	242562	30.10	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.33%
60) 4-Bromofluorobenzene	12.40	95	242609	29.63	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.77%
63) Toluene-d8	10.09	98	780482	30.33	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	125568	19.354	ug/l 97
3) Chloromethane	2.06	50	174351	20.202	ug/l 100
4) Vinyl Chloride	2.19	62	167654	19.400	ug/l 97
5) Bromomethane	2.57	94	105890	19.918	ug/l 98
6) Chloroethane	2.71	64	100666	19.784	ug/l 99
7) Trichlorofluoromethane	3.02	101	205584	19.579	ug/l 100
8) Diethyl Ether	3.41	74	75171	19.036	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	127957	18.955	ug/l 98
10) 1,1-Dichloroethene	3.74	96	122971	19.442	ug/l 99
11) Methyl Iodide	3.96	142	176366	18.798	ug/l 99
12) Methyl Acetate	4.32	43	105819	19.842	ug/l 98
13) Acrolein	3.61	56	56281	109.948	ug/l 99
14) Acrylonitrile	4.99	53	249896	97.512	ug/l 98
15) Acetone	3.82	58	62723	84.928	ug/l 92
16) Carbon Disulfide	4.06	76	392217	19.113	ug/l 100
17) Allyl chloride	4.33	41	209335	18.714	ug/l 98
18) Methylene Chloride	4.55	84	143832	19.693	ug/l 98
19) trans-1,2-Dichloroethene	5.05	96	132585	19.322	ug/l 96
20) Diisopropyl ether	5.95	45	439931	19.660	ug/l 96
21) 1,1-Dichloroethane	5.85	63	258303	19.546	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	149169	19.527	ug/l 97
23) tert-Butyl Alcohol	4.78	59	46622	101.570	ug/l # 100
24) Methyl tert-Butyl Ether	5.04	73	336543	19.655	ug/l 98
25) Chloroform	7.37	83	251555	19.728	ug/l 97
26) Cyclohexane	7.65	56	232769	19.354	ug/l # 98
29) 1,1-Dichloropropene	7.79	75	191459	19.782	ug/l 99
30) 2-Butanone	6.84	43	284758	93.183	ug/l 99
31) 2,2-Dichloropropane	6.82	77	183673	19.246	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	204598	19.653	ug/l 99
33) Carbon Tetrachloride	7.77	117	178830	19.401	ug/l 97
34) Benzene	8.04	78	580383	20.177	ug/l 99
35) Methacrylonitrile	7.18	41	70786	20.716	ug/l 88
36) 1,2-Dichloroethane	8.12	62	181690	19.671	ug/l 100
37) Trichloroethene	8.84	130	148248	19.744	ug/l 96
38) Methylcyclohexane	9.08	83	214683	18.793	ug/l 98
39) 1,2-Dichloropropane	9.12	63	156996	19.923	ug/l 99
40) Dibromomethane	9.21	93	90347	20.000	ug/l 100

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Instrument :
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Manual Integrations
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MMDadoda
 3/6/2019 10:23:49 AM

Quant Time: Mar 02 00:05:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N030119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 01 11:11:48 2019
 Response via : Initial Calibration

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

41) Bromodichloromethane	9.40	83	190385	19.863	ug/l	98
42) Vinyl Acetate	5.90	43	1534447	97.194	ug/l	100
43) Ethyl Acetate	6.93	43	120088	18.761	ug/l #	69
44) Isopropyl Acetate	8.16	43	220433	19.626	ug/l	96
45) 1,4-Dioxane	9.20	88	27552	418.906	ug/l	98
46) Methyl methacrylate	9.20	41	100900	18.703	ug/l	97
47) n-amyl Acetate	12.07	43	150091	18.191	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	180095	18.740	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	213868	18.952	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	123698	19.521	ug/l	98
51) Ethyl methacrylate	10.43	69	143086	18.757	ug/l	97
52) 1,3-Dichloropropane	10.71	76	216735	19.929	ug/l	100
53) Dibromochloromethane	10.90	129	134358	19.296	ug/l	97
54) 1,2-Dibromoethane	11.01	107	116390	19.282	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	338978	95.757	ug/l	99
56) Bromoform	12.13	173	88425	19.126	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	593717	98.505	ug/l	97
59) 2-Hexanone	10.75	43	364945	92.674	ug/l	98
61) Tetrachloroethene	10.63	164	148605	19.984	ug/l	96
62) Toluene	10.16	91	595512	19.921	ug/l	99
64) Chlorobenzene	11.43	112	355582	19.534	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	130267	19.490	ug/l	99
66) Ethyl Benzene	11.51	91	609053	19.491	ug/l	100
67) m/p-Xylenes	11.62	106	472340	40.149	ug/l	99
68) o-Xylene	11.95	106	224733	19.706	ug/l	98
69) Styrene	11.96	104	355423	19.682	ug/l	99
70) Isopropylbenzene	12.25	105	601460	20.094	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	145308	19.669	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	121021m	21.574	ug/l	
73) Bromobenzene	12.53	156	145532	19.285	ug/l	99
74) n-propylbenzene	12.59	91	688777	19.325	ug/l	100
75) 2-Chlorotoluene	12.68	91	413111	19.793	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	499253	19.691	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	35452	17.760	ug/l	97
78) 4-Chlorotoluene	12.77	91	401842	19.240	ug/l	99
79) tert-butylbenzene	12.99	119	436588	19.651	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	498122	19.740	ug/l	99
81) sec-Butylbenzene	13.17	105	601456	19.739	ug/l	99
82) p-Isopropyltoluene	13.29	119	503713	19.360	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	250424	18.814	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	240303	18.909	ug/l	98
85) n-Butylbenzene	13.61	91	408425	18.011	ug/l	99
86) Hexachloroethane	13.88	117	90991	18.706	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	251542	19.486	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	20295	18.987	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	110039	16.779	ug/l	100
90) Hexachlorobutadiene	15.01	225	89075	18.694	ug/l	99
91) Naphthalene	15.13	128	214950	18.986	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	113953	17.595	ug/l	98

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0301WBS01

Manual Integrations
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Quant Time: Mar 02 00:05:13 2019
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Mar 01 11:11:48 2019
Response via : Initial Calibration

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

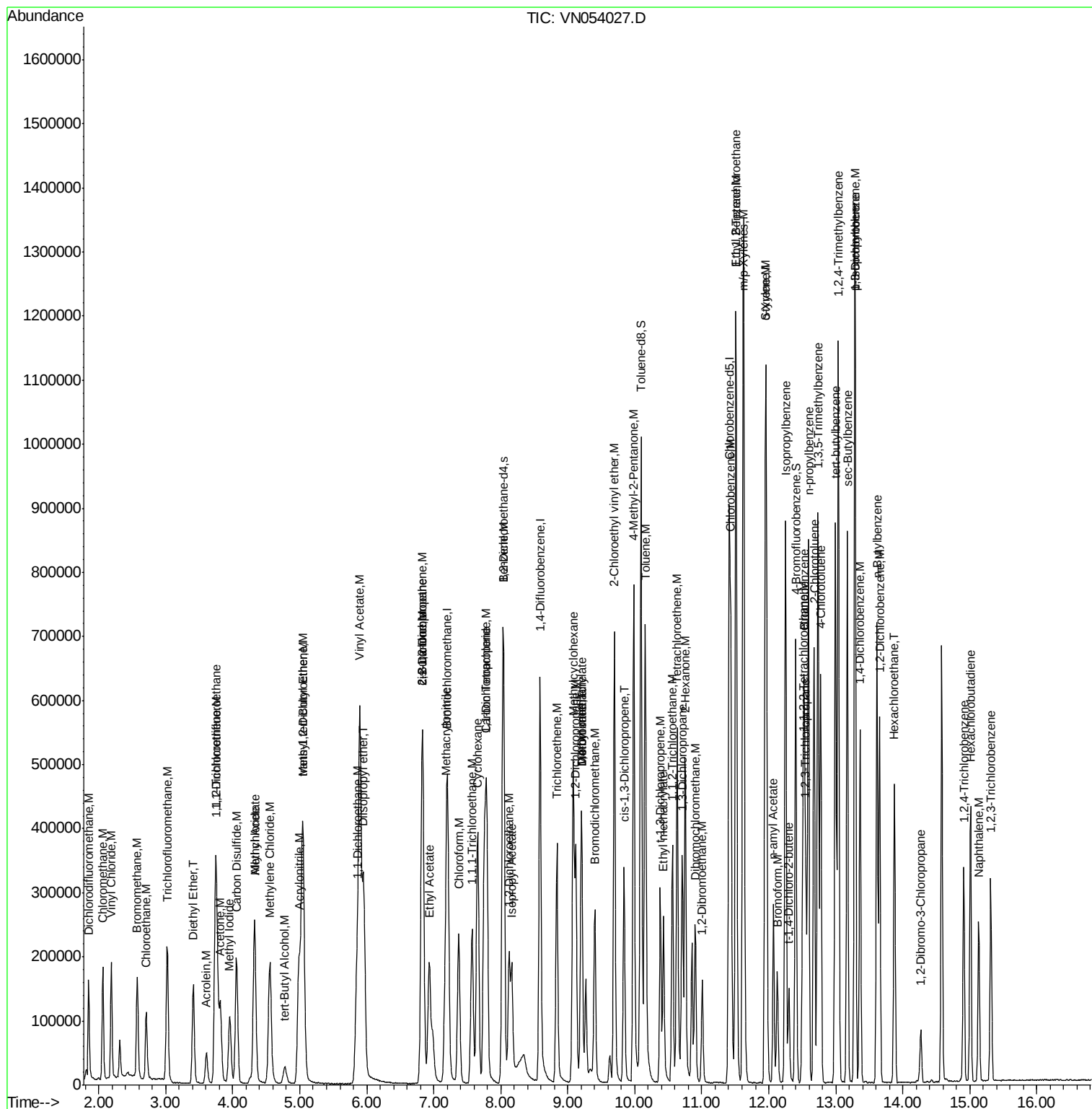
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Data File : VN054027.D
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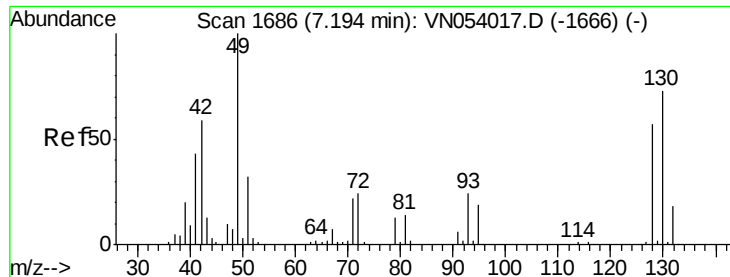
Instrument :
MSVOA_N
Client Sample Id :
VN0301WBS01

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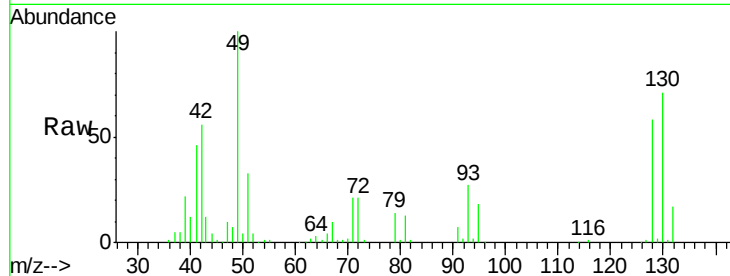
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

Instrument :
MSVOA_N
ClientSampled :
VN0301WBS01

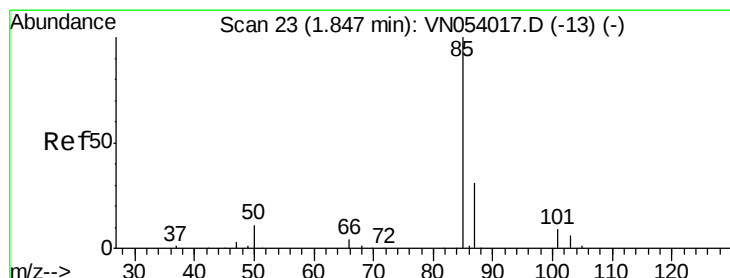
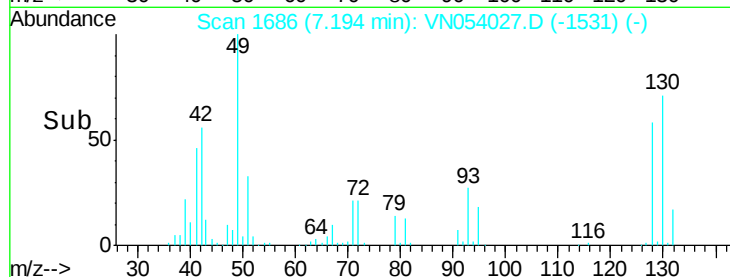
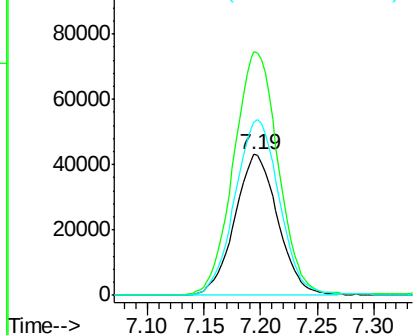
Tot Ion	Ratio	Lower	Upper
128	100		
49	178.4	0.0	431.8
130	128.1	0.0	317.0

Manual Integrations
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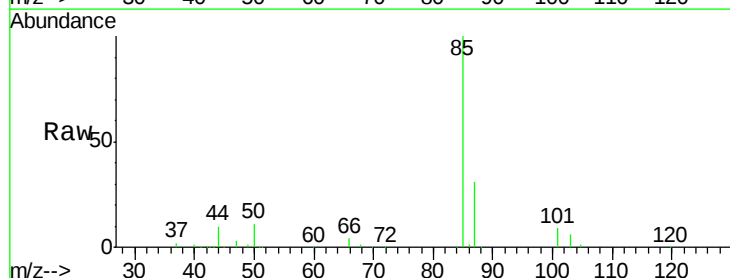


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

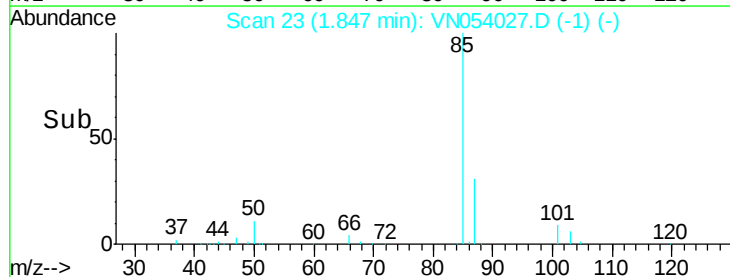
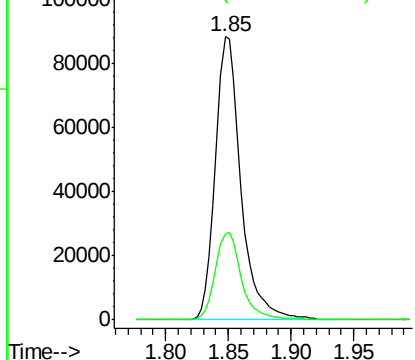


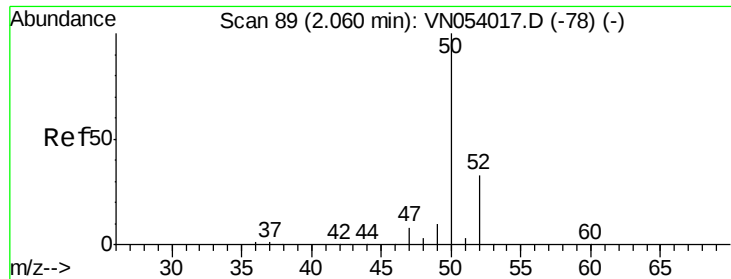
#2
Dichlorodifluoromethane
Concen: 19.354 ug/l
RT: 1.85 min Scan# 23
Delta R.T. -0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

Tgt Ion	Ratio	Lower	Upper
85	100		
87	30.5	16.1	48.3



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 20.202 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

VN0301WBS01

Tot Ion: 50 Resp: 174351

Ion Ratio Lower Upper

50 100

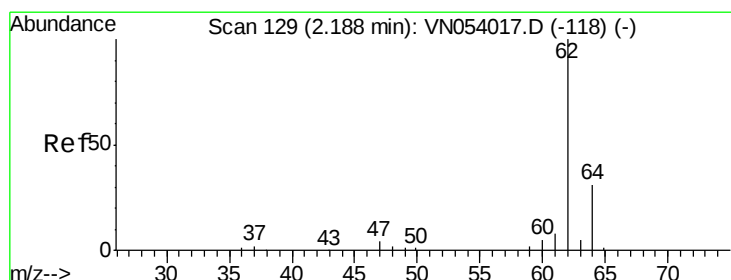
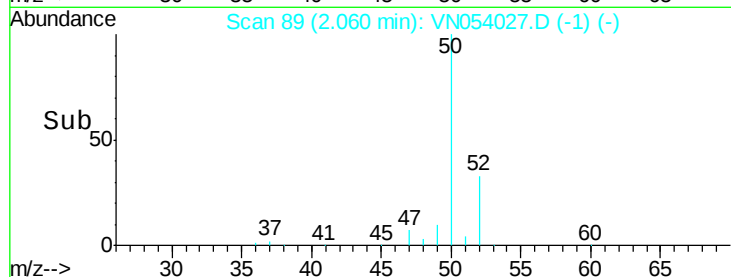
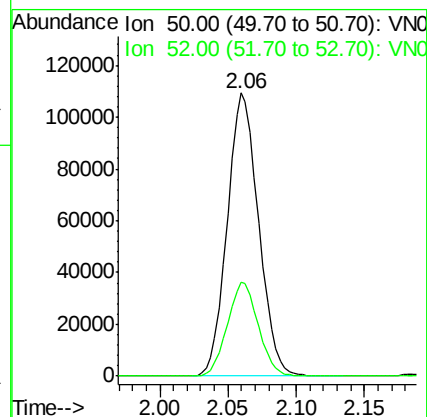
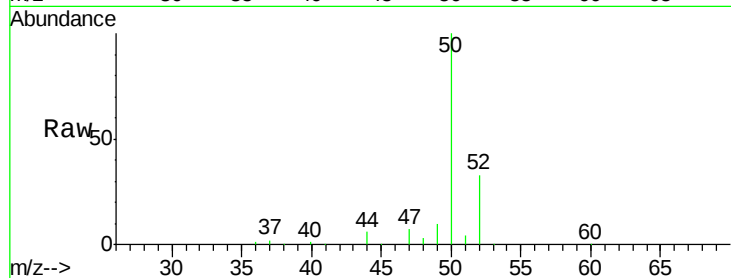
52 33.0 26.5 39.7

Manual Integrations

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3/6/2019 10:23:49 AM



#4

Vinyl Chloride

Concen: 19.400 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054027.D

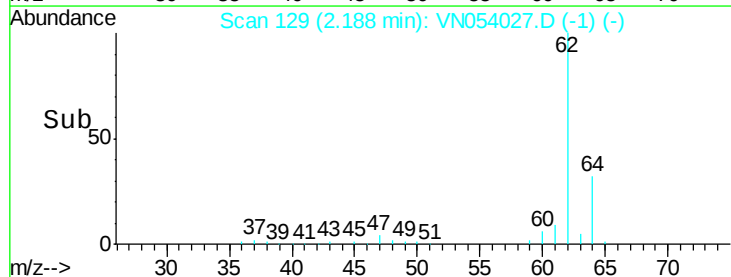
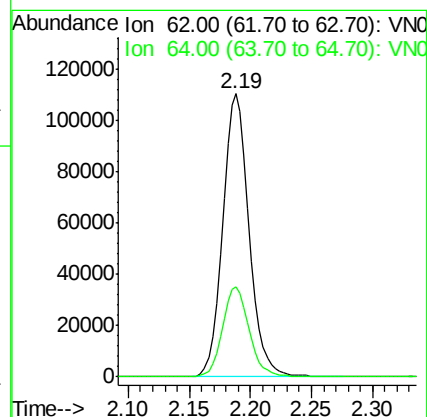
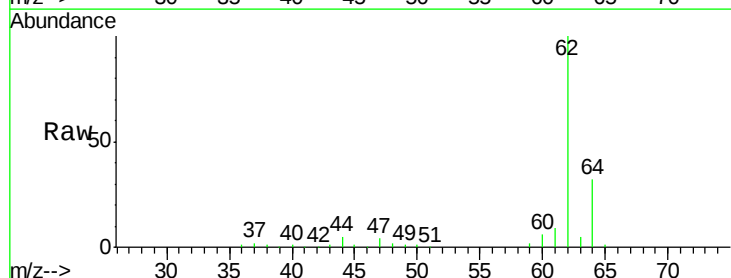
Acq: 1 Mar 2019 14:10

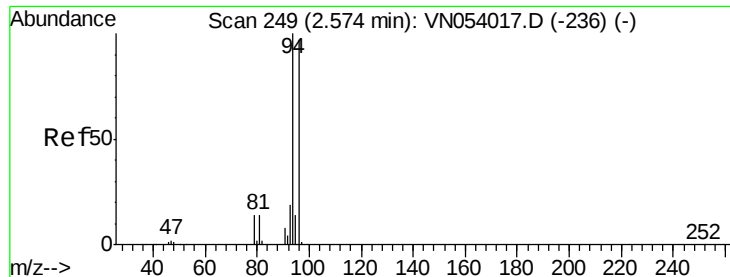
Tgt Ion: 62 Resp: 167654

Ion Ratio Lower Upper

62 100

64 31.7 24.2 36.4





#5

Bromomethane

Concen: 19.918 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

VN0301WBS01

Tot Ion: 94 Resp: 105890

Ion Ratio Lower Upper

94 100

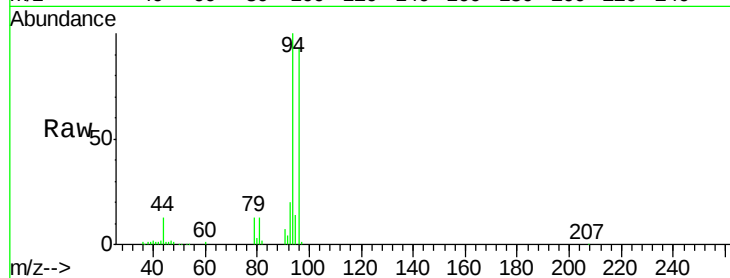
96 93.1 76.2 114.2

Manual Integrations

APPROVED

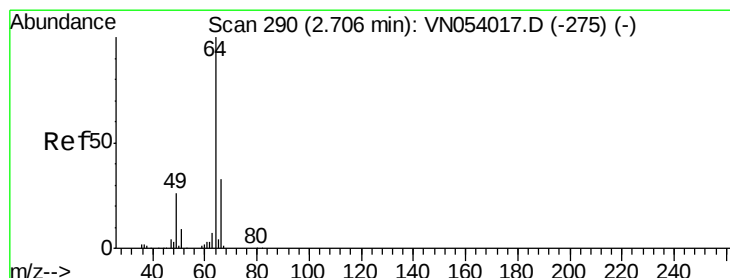
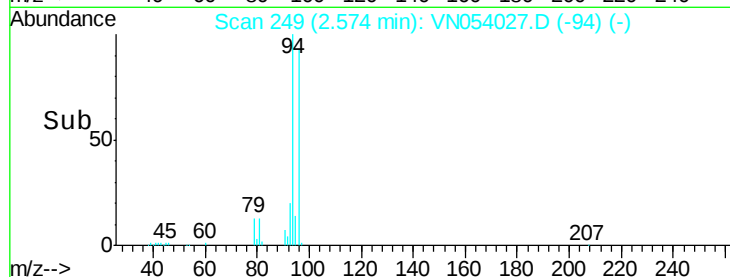
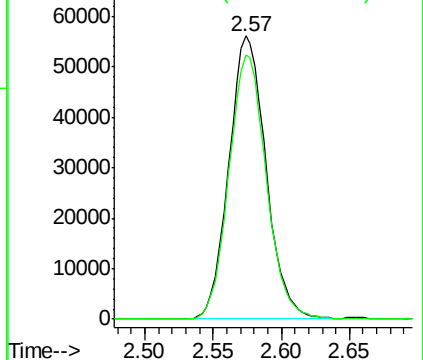
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3/6/2019 10:23:49 AM



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.784 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054027.D

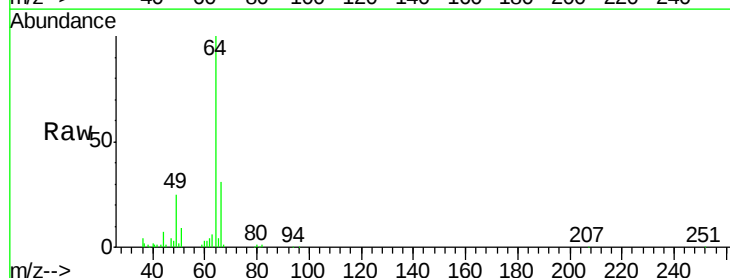
Acq: 1 Mar 2019 14:10

Tgt Ion: 64 Resp: 100666

Ion Ratio Lower Upper

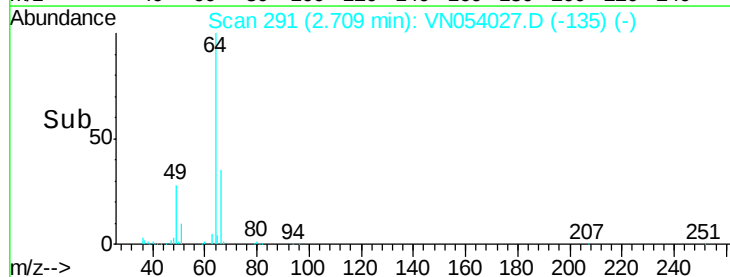
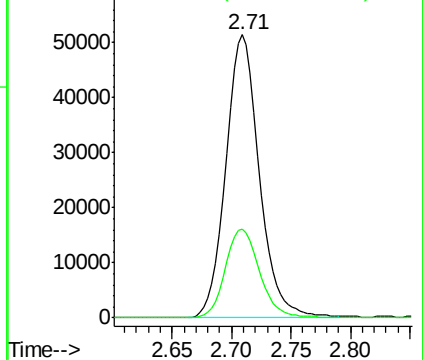
64 100

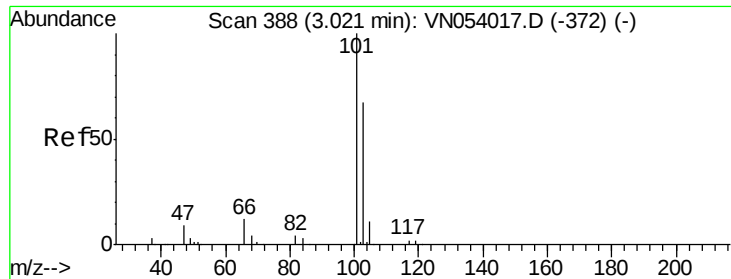
66 31.5 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

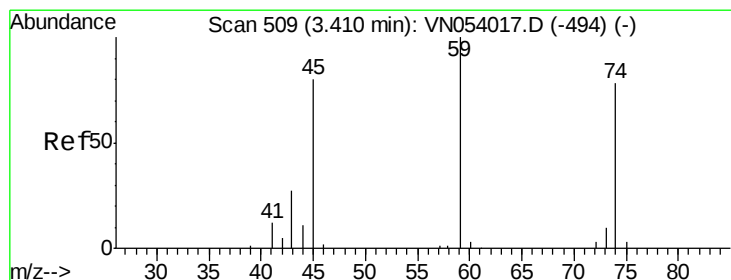
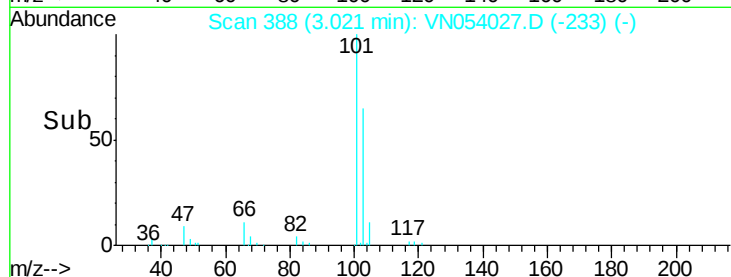
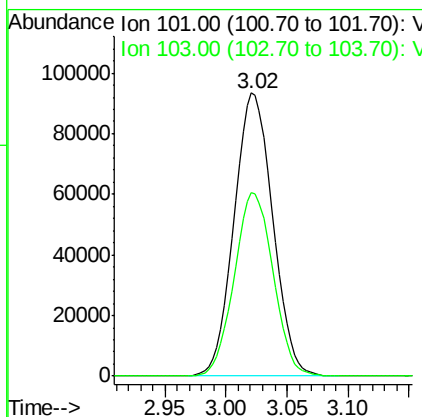
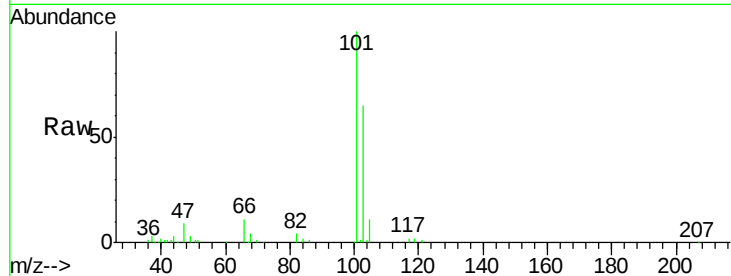
Trichlorofluoromethane
Concen: 19.579 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

Instrument :
MSVOA_N
ClientSampled :
VN0301WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.1	78.1

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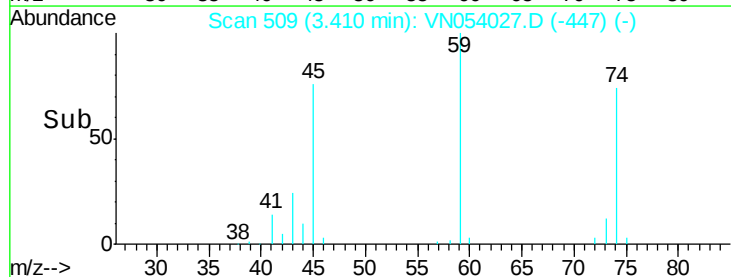
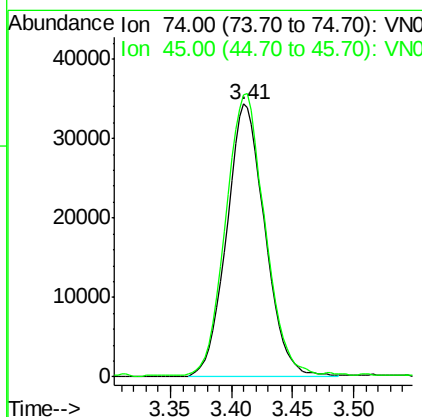
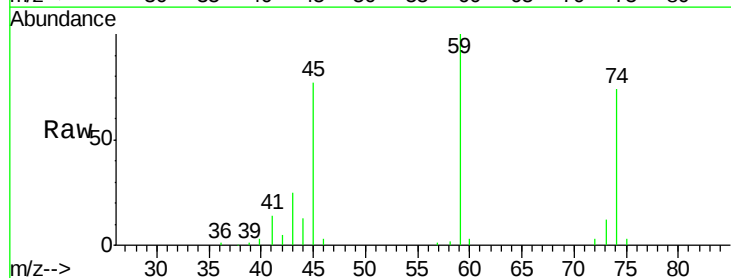
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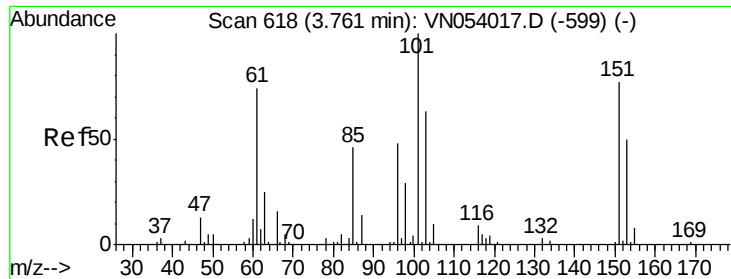


#8

Diethyl Ether
Concen: 19.036 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.7	20.6	185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.955 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Instrument :

MSVOA_N

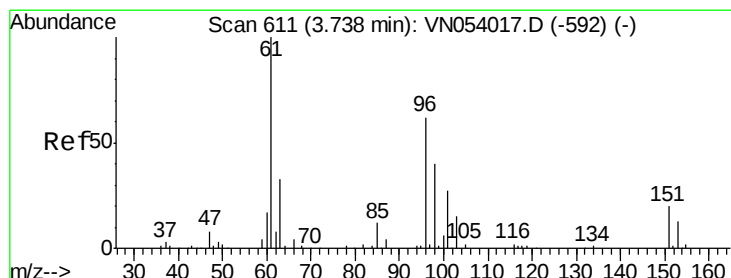
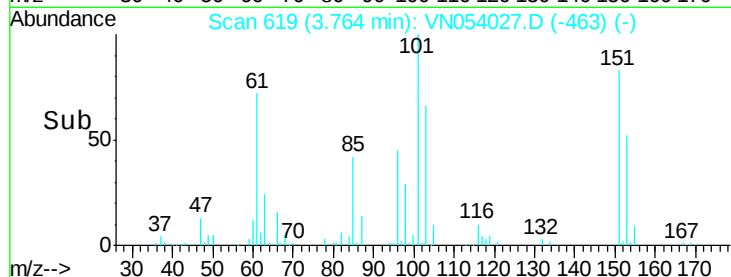
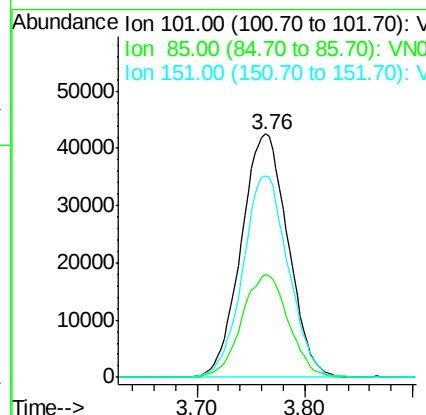
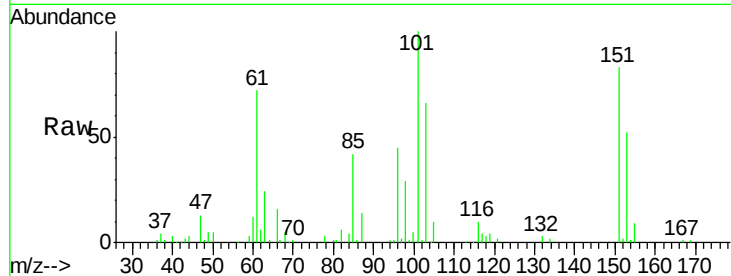
ClientSampled :

VN0301WBS01

Tot Ion:	101	Resp:	127957
Ion Ratio	Lower	Upper	
101	100		
85	42.1	0.0	82.6
151	80.7	0.0	158.4

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#10

1,1-Dichloroethene

Concen: 19.442 ug/l

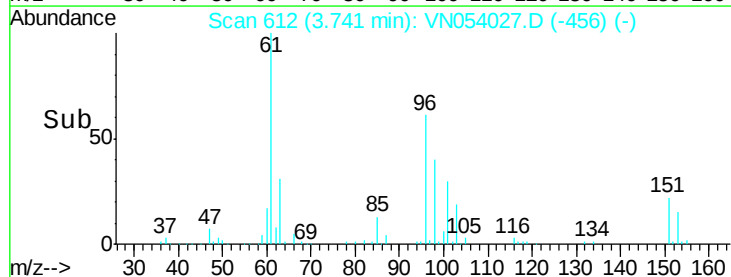
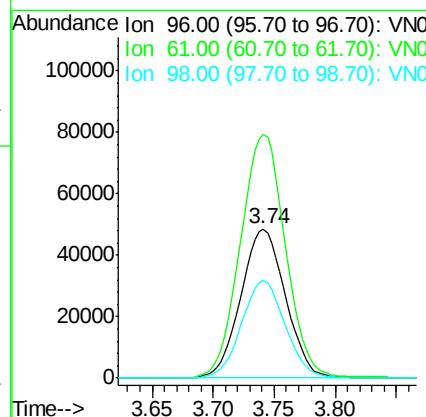
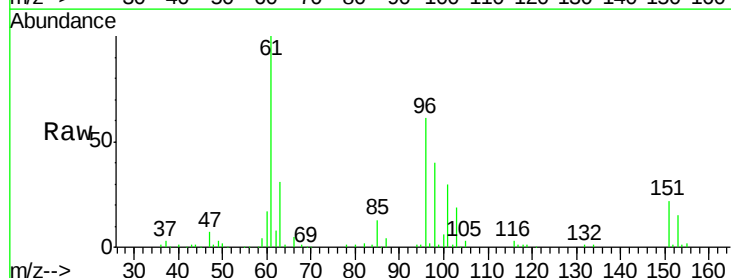
RT: 3.74 min Scan# 612

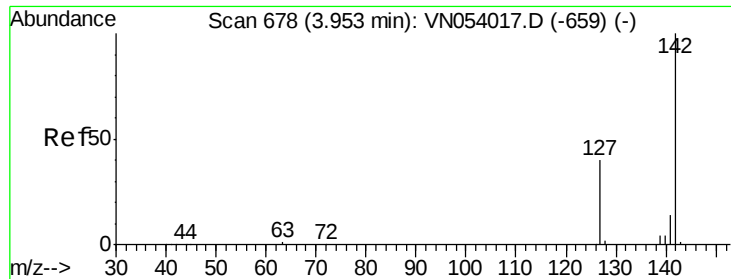
Delta R.T. 0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Tgt Ion:	96	Resp:	122971
Ion Ratio	Lower	Upper	
96	100		
61	162.6	129.4	194.2
98	65.0	50.4	75.6





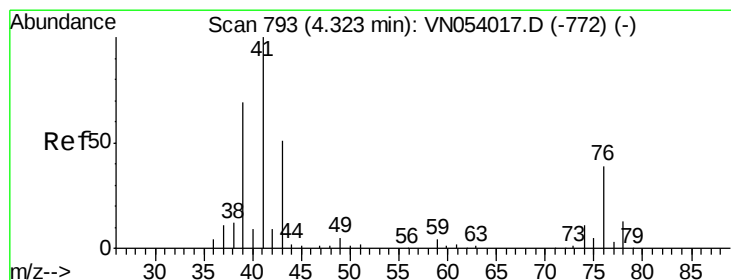
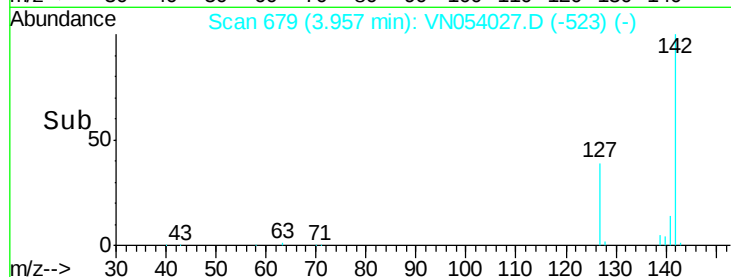
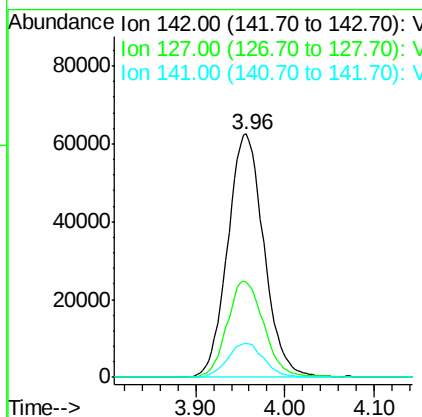
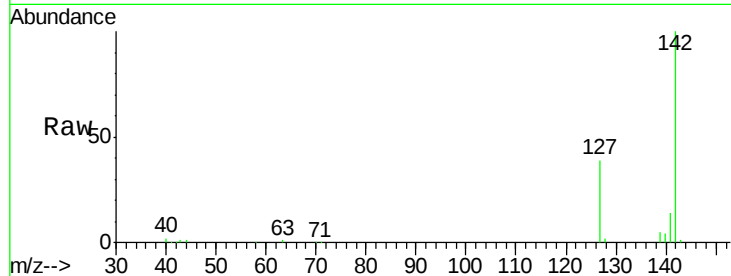
#11
Methyl Iodide
Concen: 18.798 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

Instrument :
MSVOA_N
ClientSampled :
VN0301WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.3	19.4	58.1
141	13.9	7.2	21.6

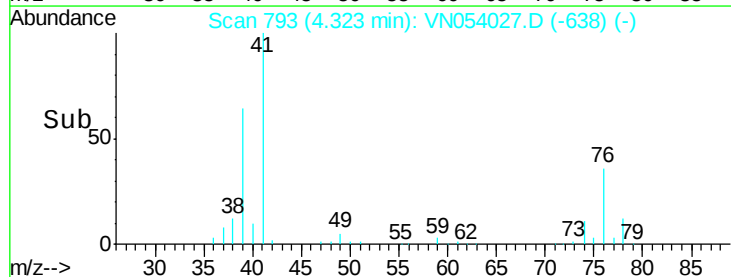
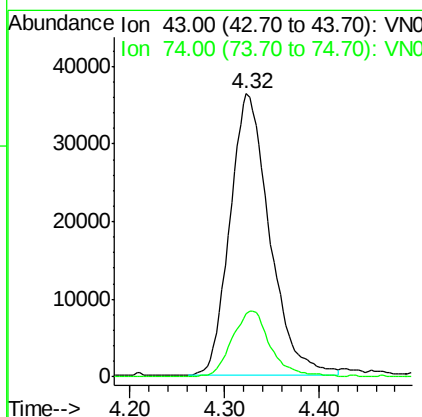
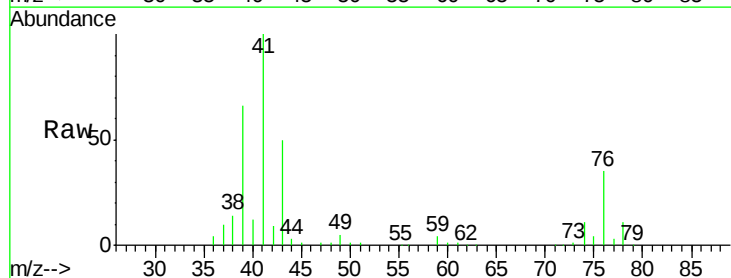
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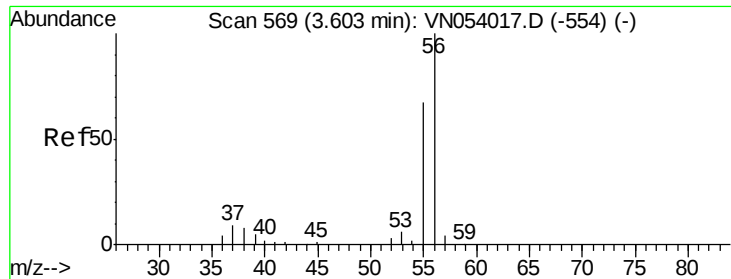
MMDadoda
3/6/2019 10:23:49 AM



#12
Methyl Acetate
Concen: 19.842 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.6	18.9	28.3





#13

Acrolein

Concen: 109.948 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Instrument :

MSVOA_N

ClientSampled :

VN0301WBS01

Tot Ion: 56 Resp: 56281

Ion Ratio Lower Upper

56 100

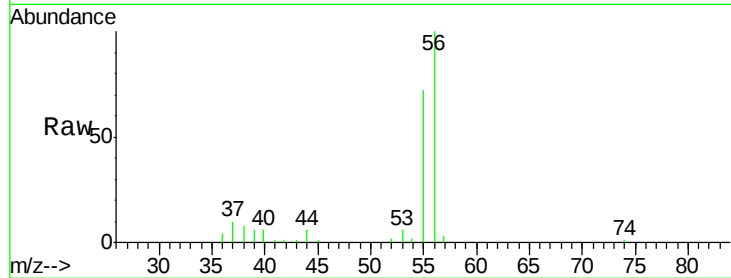
55 70.2 56.7 85.1

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

25000

20000

15000

10000

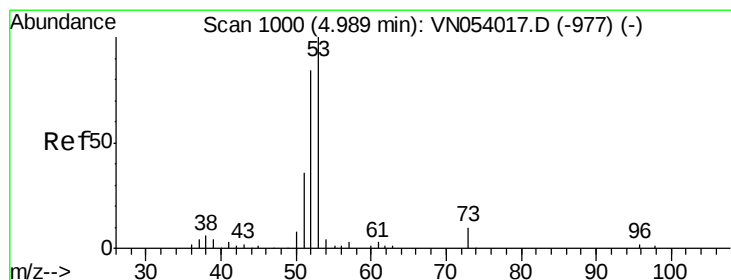
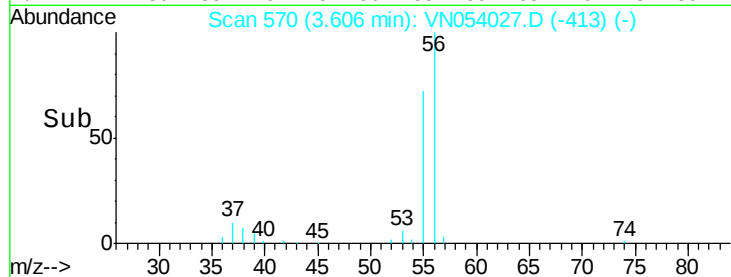
5000

0

Time-->

3.50 3.55 3.60 3.65 3.70

3.61



#14

Acrylonitrile

Concen: 97.512 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

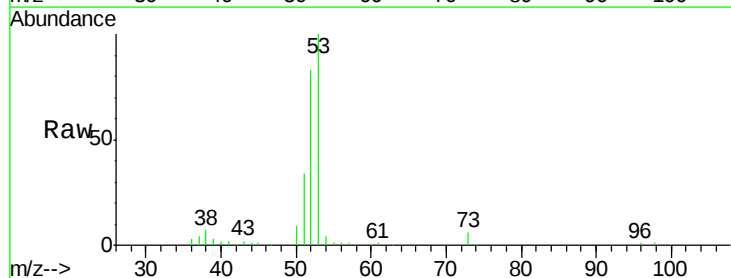
Tgt Ion: 53 Resp: 249896

Ion Ratio Lower Upper

53 100

52 81.7 39.9 119.7

51 36.0 17.6 52.9



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

100000

80000

60000

40000

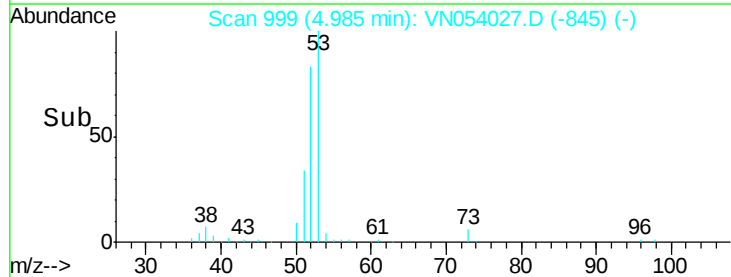
20000

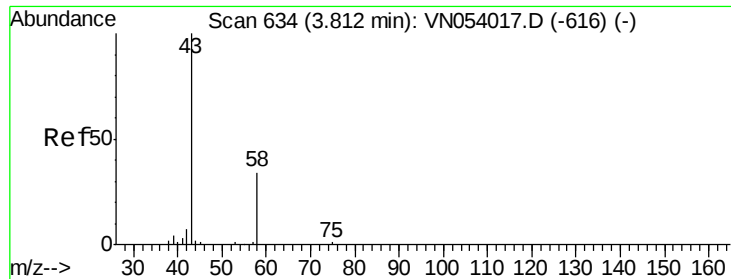
0

Time-->

4.90 5.00 5.10

4.99





#15

Acetone

Concen: 84.928 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Instrument :

MSVOA_N

ClientSampled :

VN0301WBS01

Tot Ion: 58 Resp: 62723

Ion Ratio Lower Upper

58 100

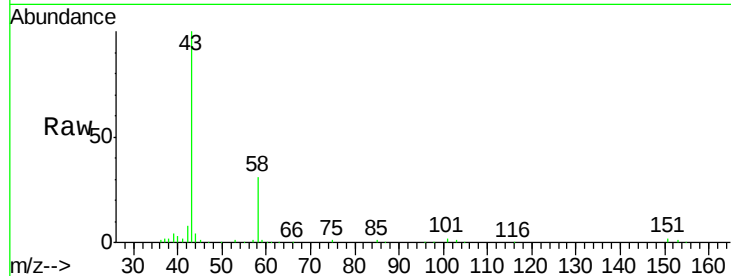
43 320.5 243.6 365.4

Manual Integrations

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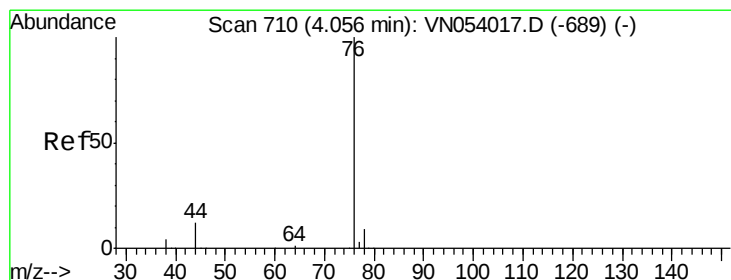
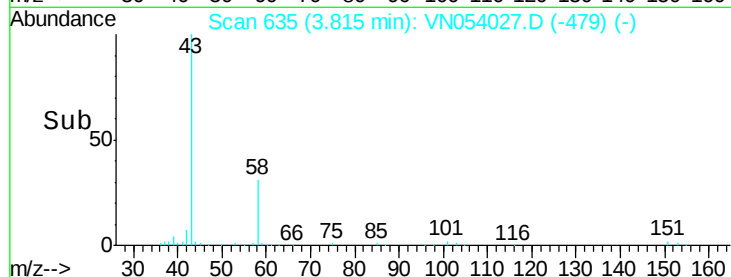
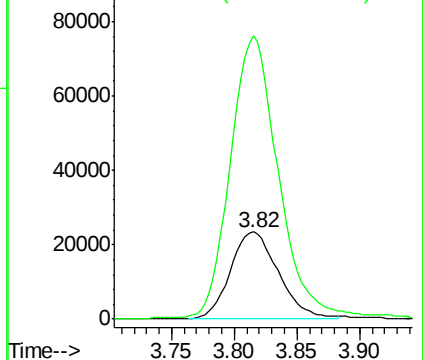
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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.113 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN054027.D

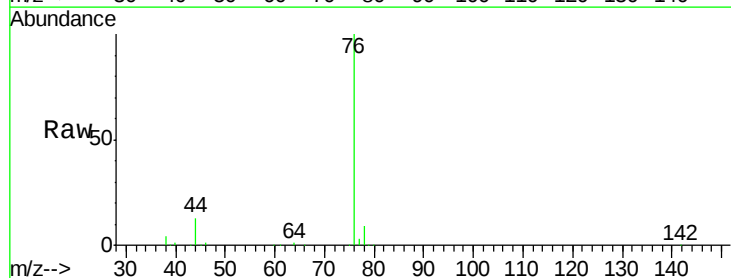
Acq: 1 Mar 2019 14:10

Tgt Ion: 76 Resp: 392217

Ion Ratio Lower Upper

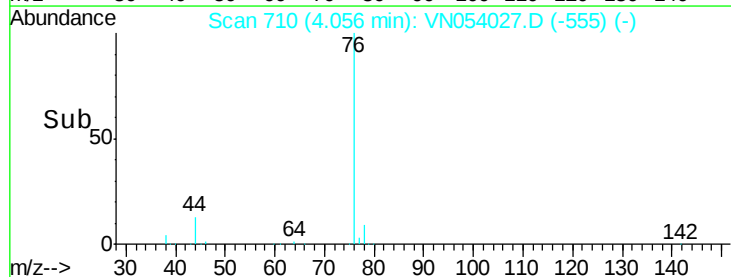
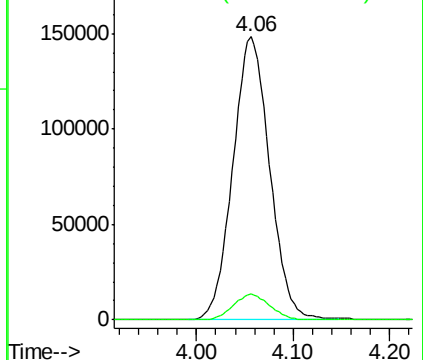
76 100

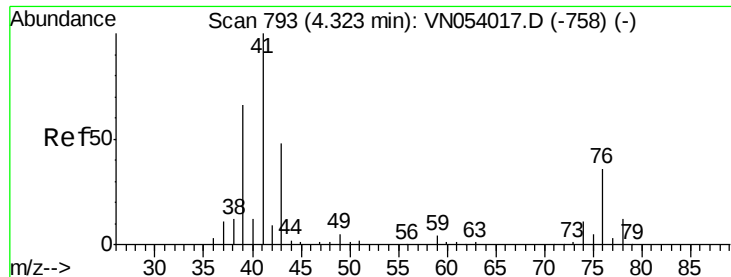
78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





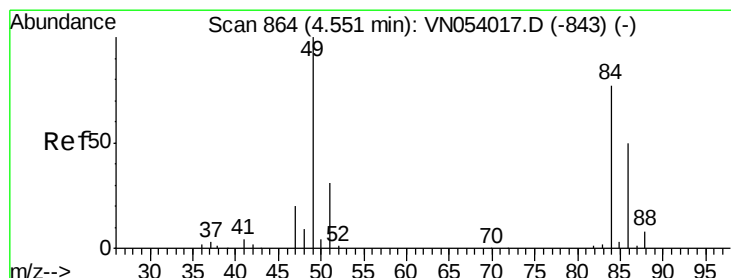
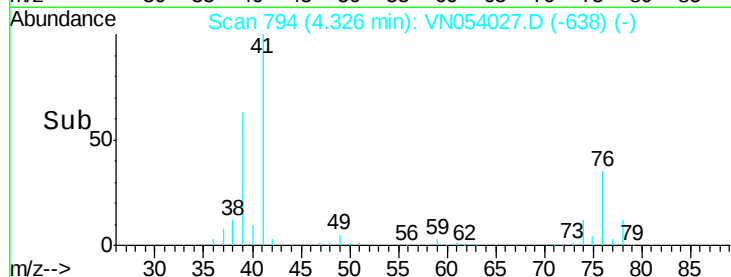
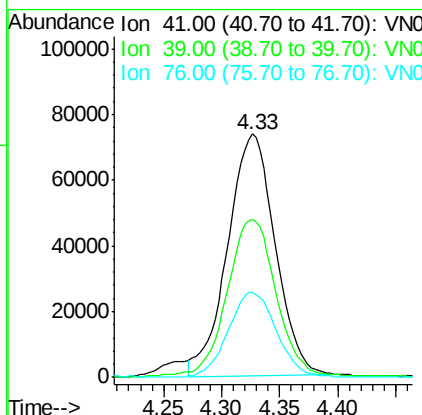
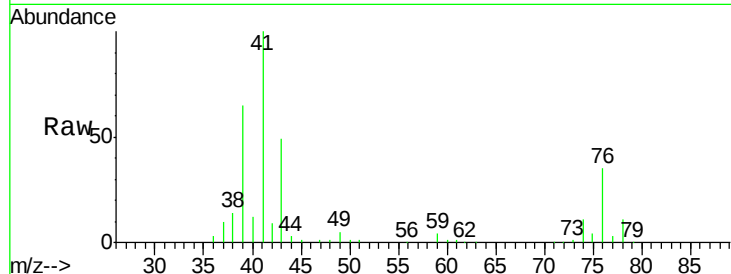
#17
Allvl chloride
Concen: 18.714 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN0301WBS01

Tot Ion:	41	Resp:	209335
Ion Ratio	Lower	Upper	
41	100		
39	64.4	32.8	98.3
76	34.7	18.6	55.8

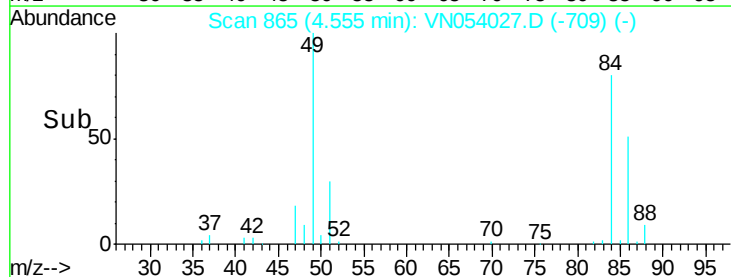
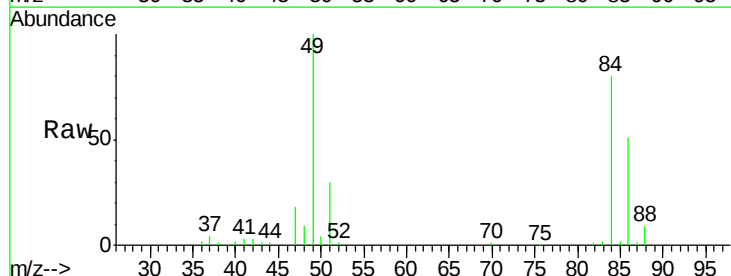
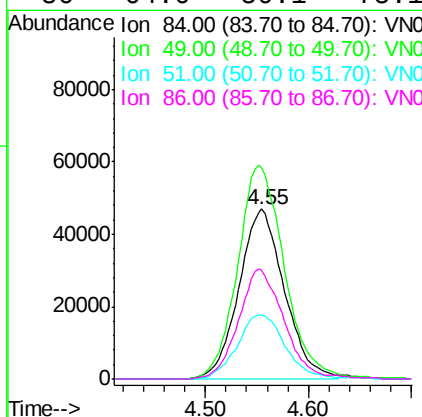
Manual Integrations
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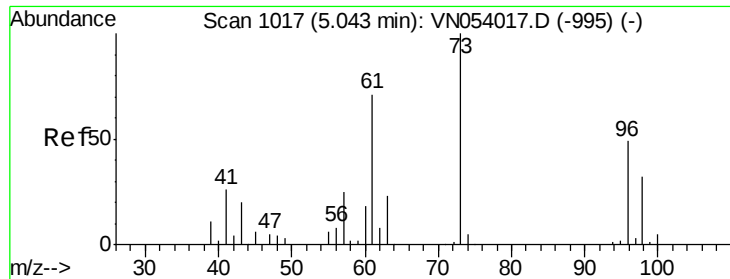
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#18
Methylene Chloride
Concen: 19.693 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

Tgt Ion:	84	Resp:	143832
Ion Ratio	Lower	Upper	
84	100		
49	124.4	101.4	152.0
51	37.5	31.7	47.5
86	64.0	50.1	75.1





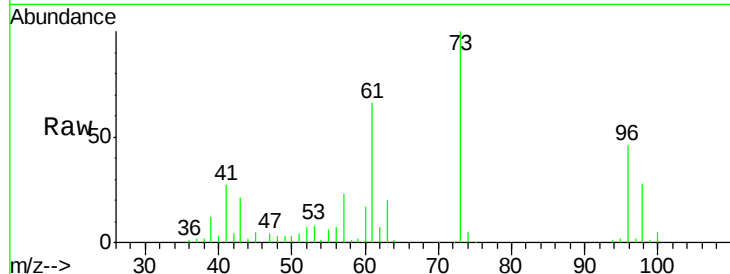
#19
trans-1,2-Dichloroethene
Concen: 19.322 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN0301WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.6	118.2	177.4
98	61.2	51.4	77.2

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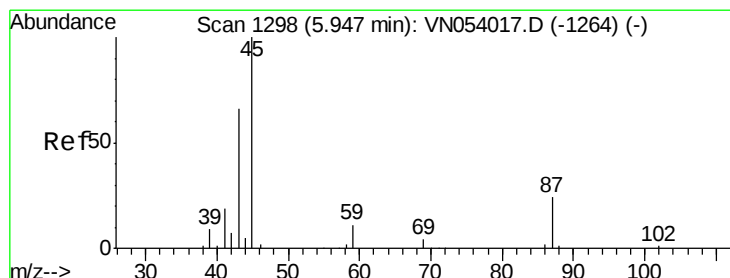
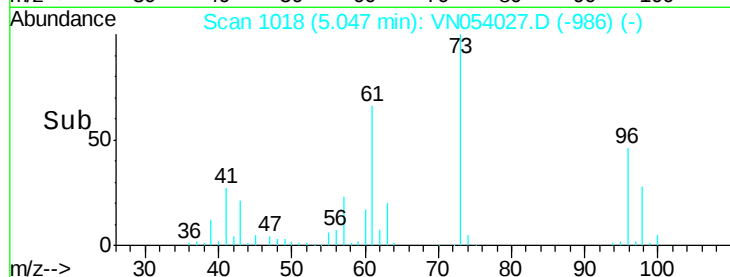
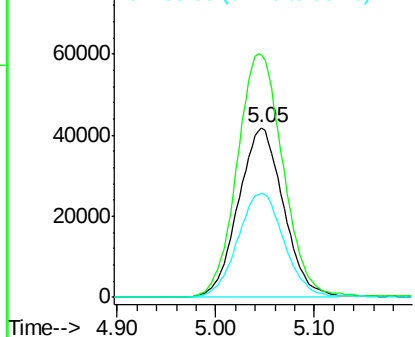


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20
Diisopropyl ether
Concen: 19.660 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.6	47.8	71.8
87	25.6	21.3	31.9
59	11.2	8.9	13.3

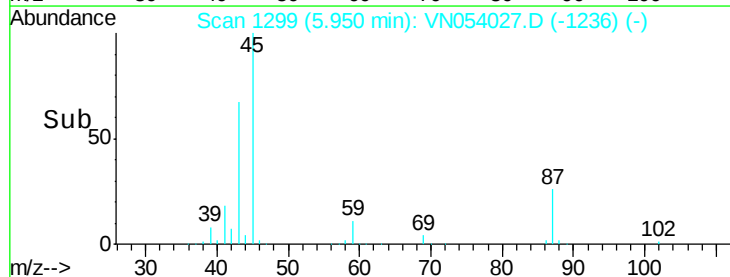
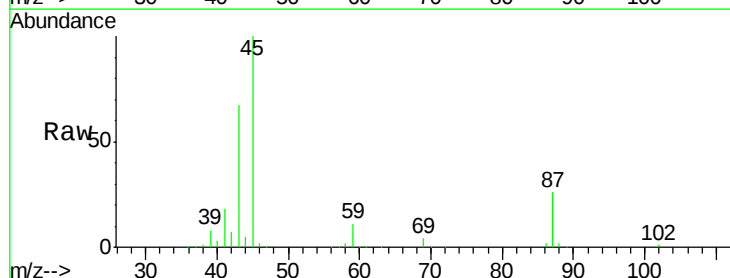
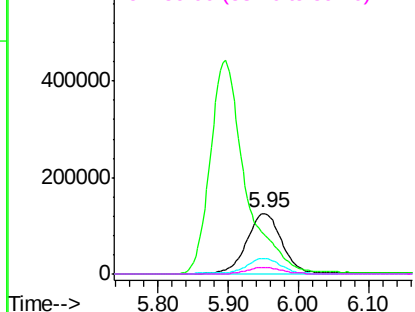
Abundance

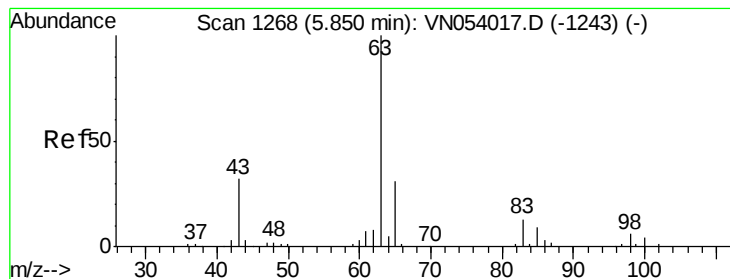
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 19.546 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Instrument :

MSVOA_N

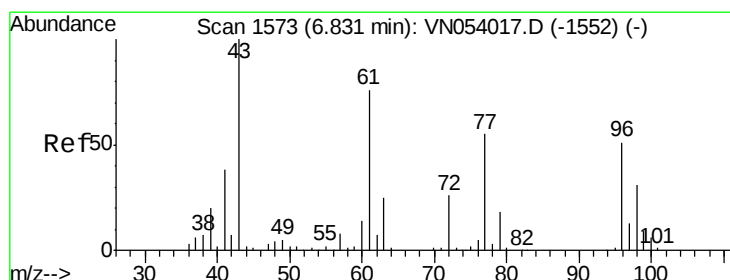
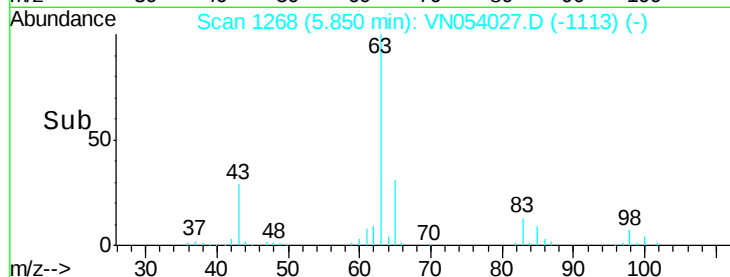
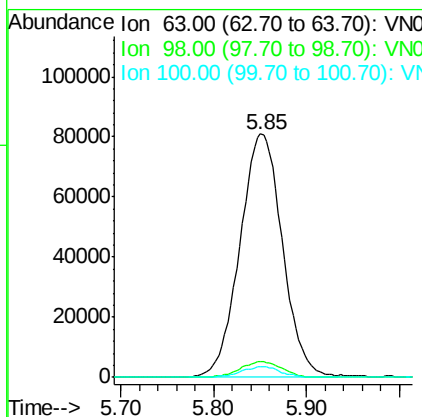
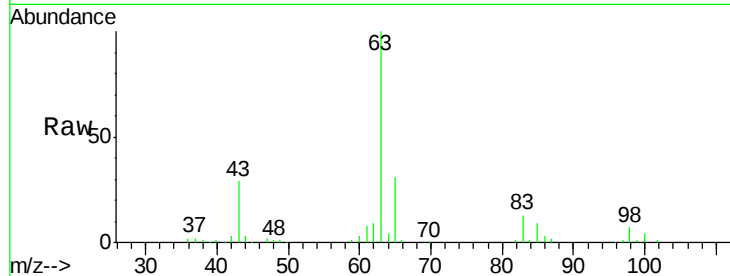
ClientSampled :

VN0301WBS01

Tot Ion:	63	Resp:	258303
Ion Ratio		Lower	Upper
63	100		
98	6.5	3.0	9.2
100	4.3	1.8	5.5

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 19.527 ug/l

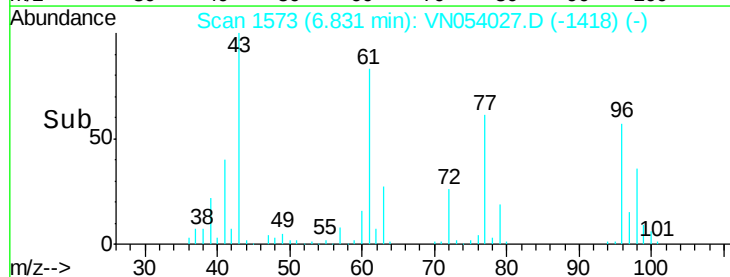
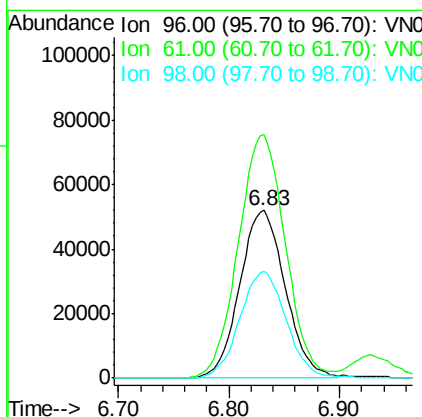
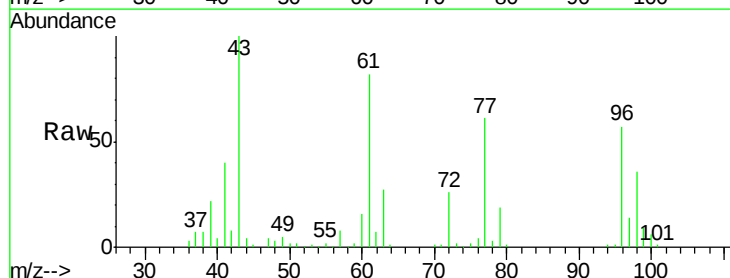
RT: 6.83 min Scan# 1573

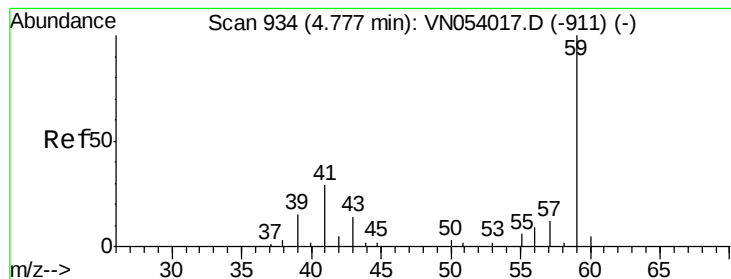
Delta R.T. -0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Tgt Ion:	96	Resp:	149169
Ion Ratio		Lower	Upper
96	100		
61	150.2	116.7	175.1
98	64.8	50.8	76.2





#23

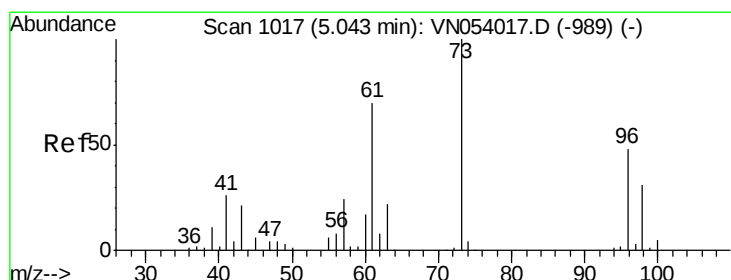
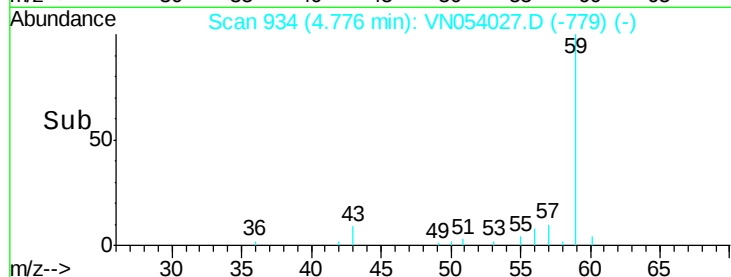
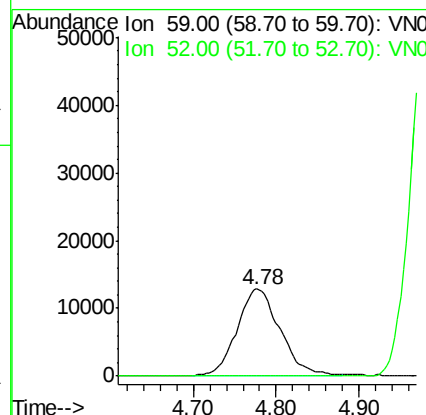
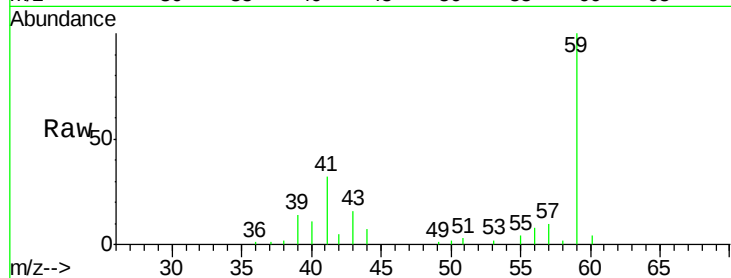
tert-Butyl Alcohol
 Concen: 101.570 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: VN054027.D
 Acq: 1 Mar 2019 14:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0301WBS01

Tot Ion	59	52	Ratio	100	0.0	Resp	46622	Lower	Upper
Ion	59	52	Ratio	100	0.0	Resp	46622	Lower	Upper

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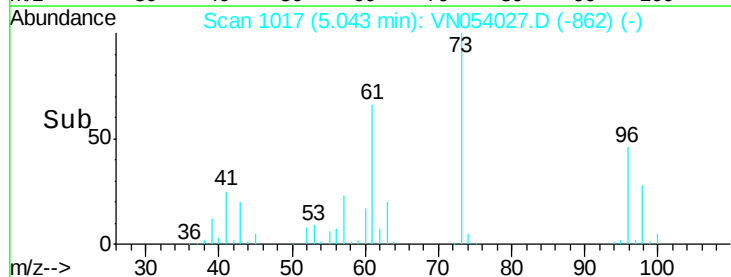
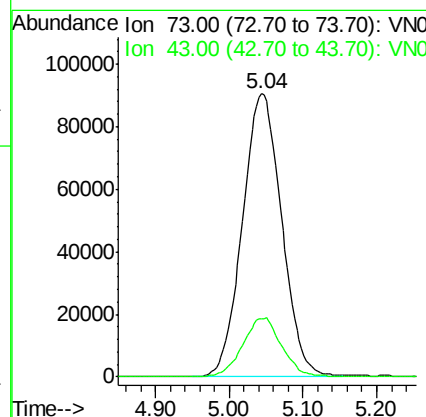
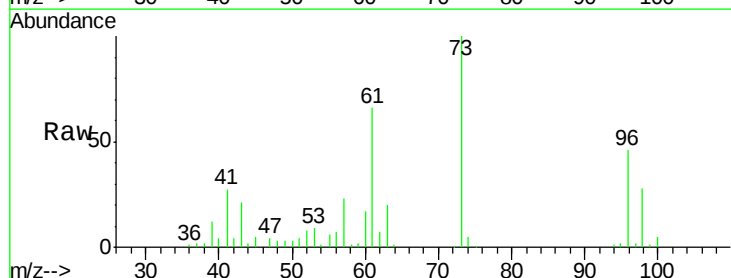
MMDadoda
 3/6/2019 10:23:49 AM

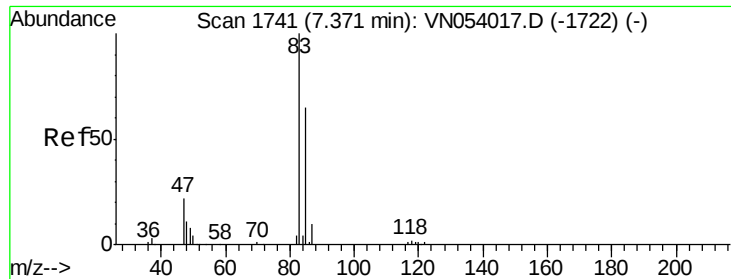


#24

Methyl tert-Butyl Ether
 Concen: 19.655 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VN054027.D
 Acq: 1 Mar 2019 14:10

Tgt Ion	73	43	Ratio	100	20.6	Resp	336543	Lower	Upper
Ion	73	43	Ratio	100	20.6	Resp	336543	Lower	Upper





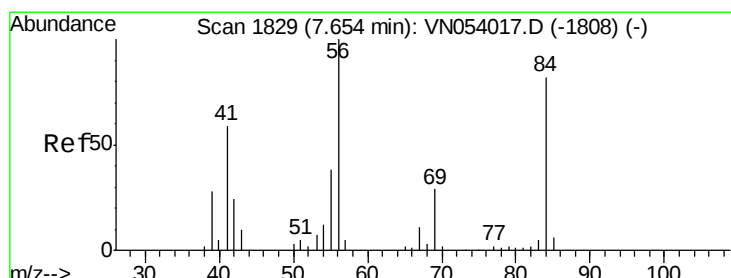
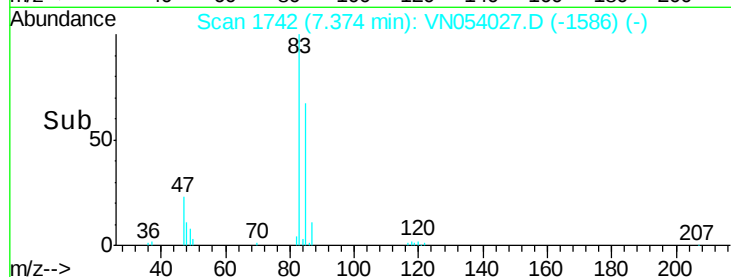
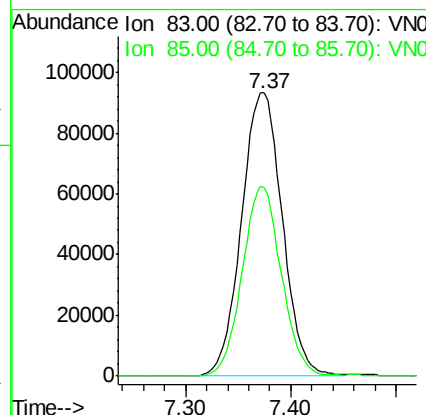
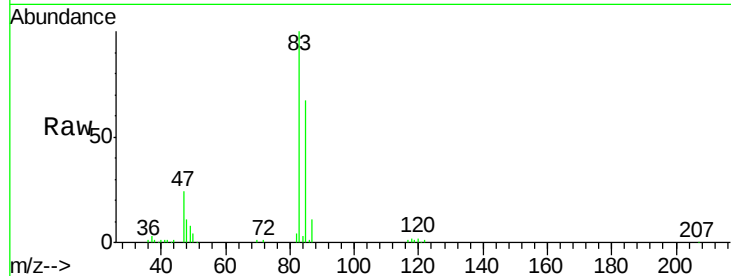
#25
Chloroform
Concen: 19.728 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

Instrument :
MSVOA_N
ClientSampled :
VN0301WBS01

Tot Ion	83	85	Ratio	Lower	Upper
83	100				
85	66.6		51.7	77.5	

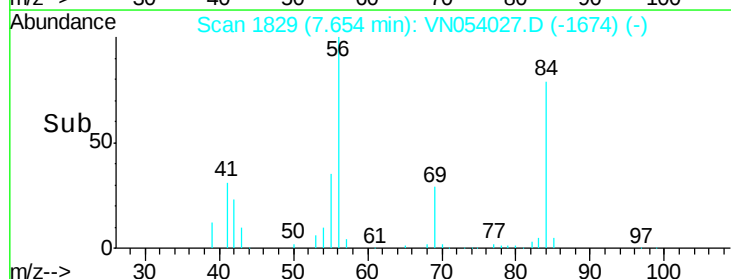
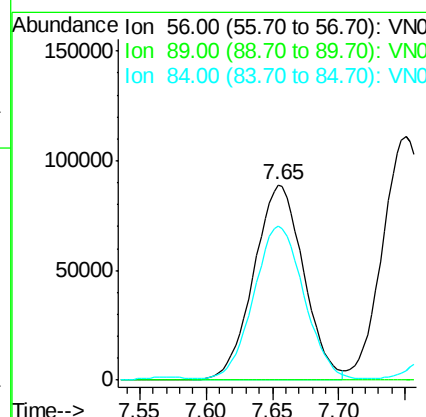
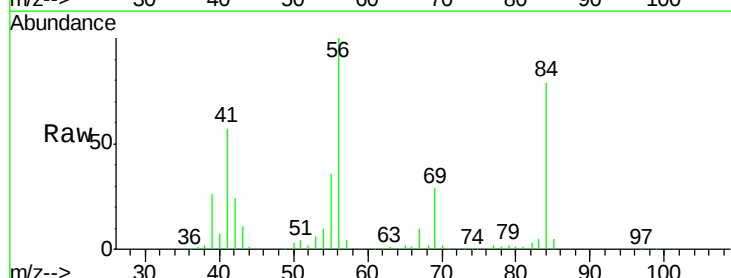
Manual Integrations
APPROVED

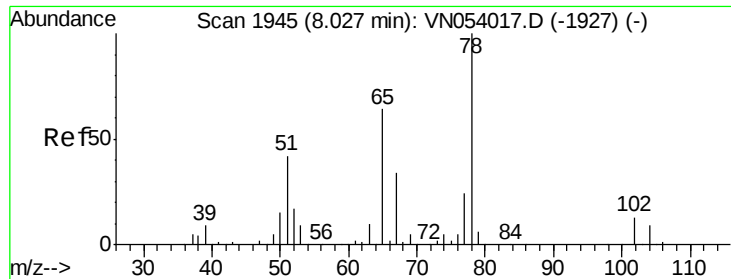
MMDadoda
3/6/2019 10:23:49 AM



#26
Cyclohexane
Concen: 19.354 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

Tgt Ion	56	89	84	Ratio	Lower	Upper
56	100					
89	0.0		0.5	0.7#		
84	80.5		66.2	99.2		





#27

1,2-Dichloroethane-d4

Concen: 19.354 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Instrument :

MSVOA_N

ClientSampled :

VN0301WBS01

Tot Ion: 65 Resp: 242562

Ion Ratio Lower Upper

65 100

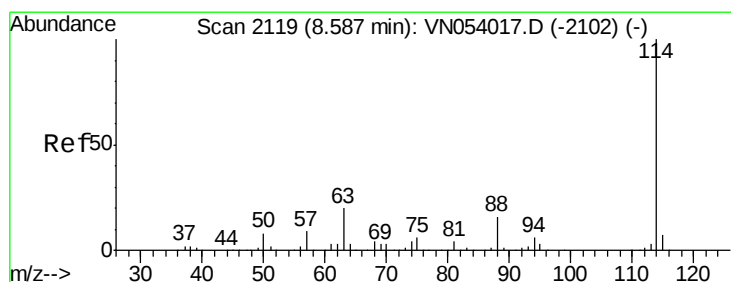
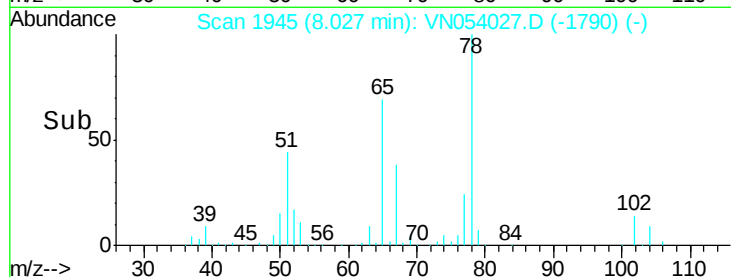
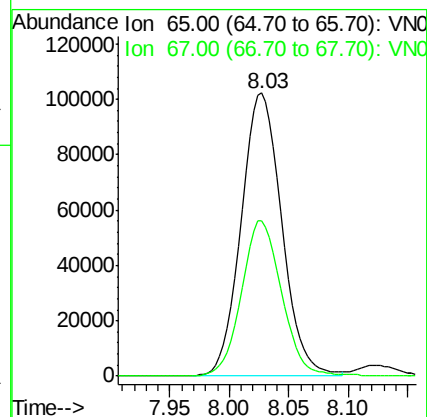
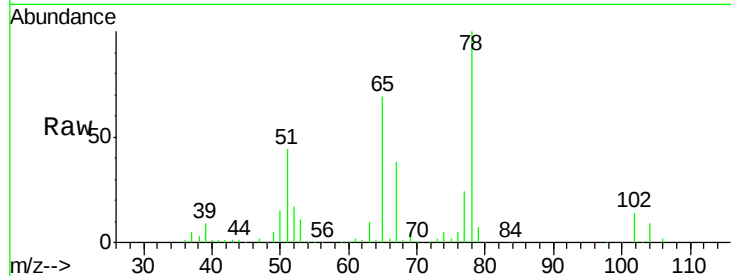
67 54.1 44.6 66.8

Manual Integrations

APPROVED

MMDadoda

3/6/2019 10:23:49 AM



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

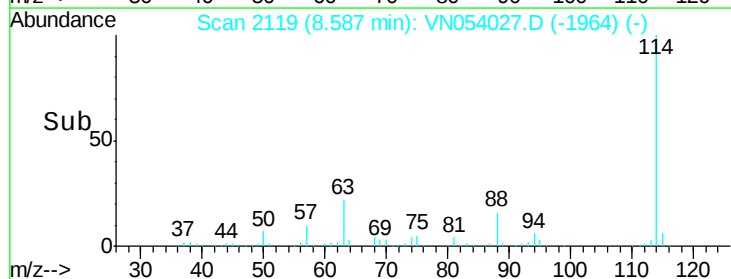
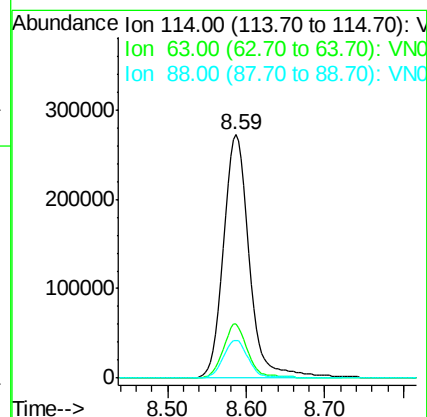
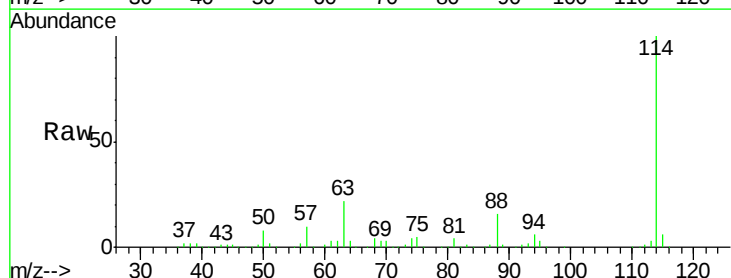
Tgt Ion: 114 Resp: 617896

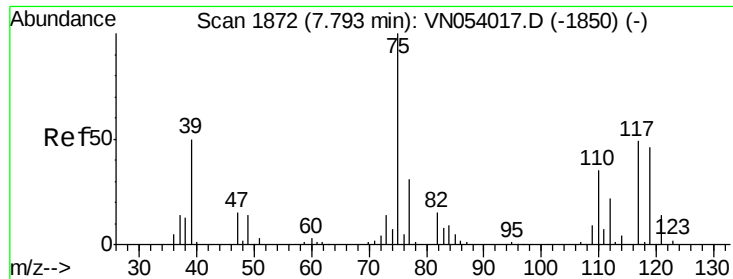
Ion Ratio Lower Upper

114 100

63 21.0 16.9 25.3

88 14.9 12.8 19.2





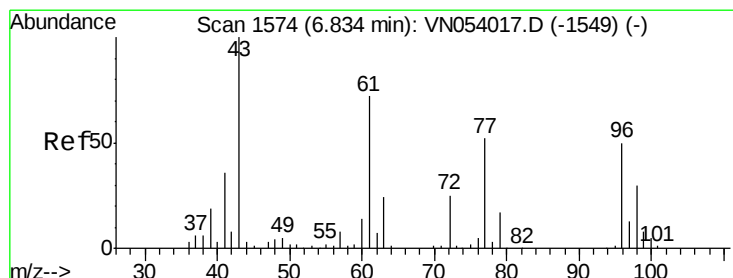
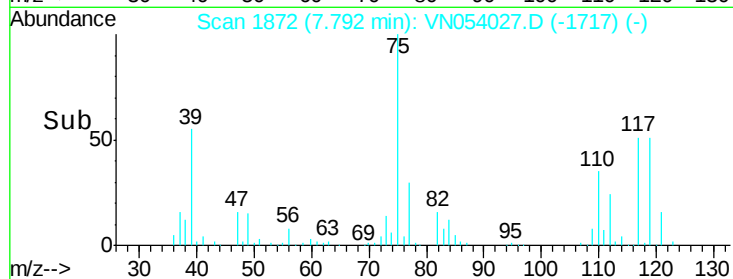
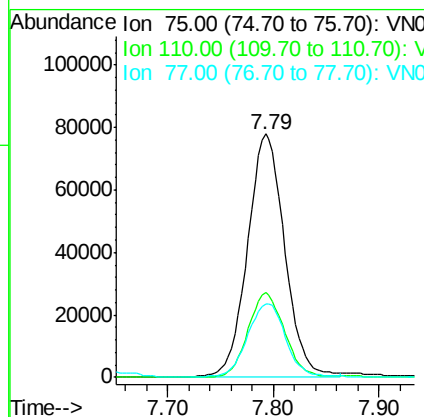
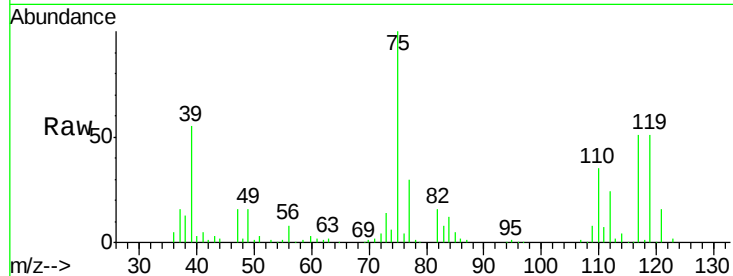
#29
 1,1-Dichloropropene
 Concen: 19.782 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN054027.D
 Acq: 1 Mar 2019 14:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0301WBS01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	34.2	0.0	70.2
77	31.0	0.0	62.6

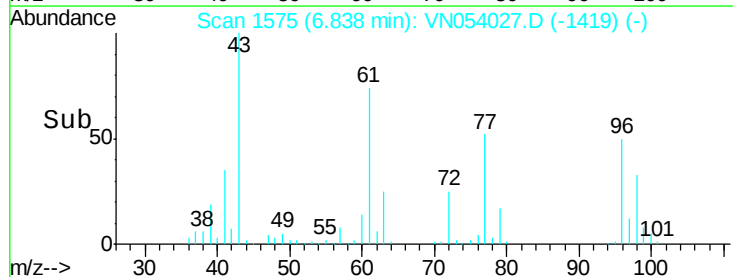
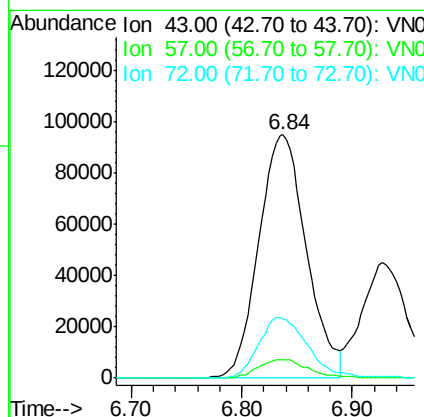
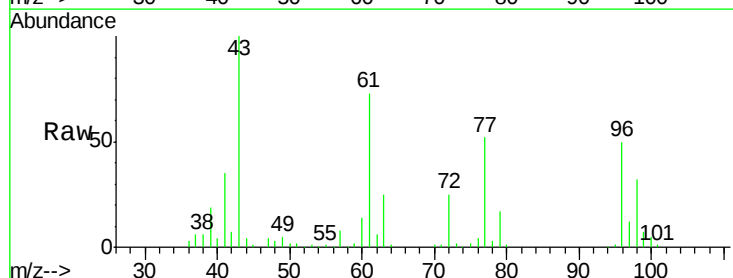
Manual Integrations
 APPROVED

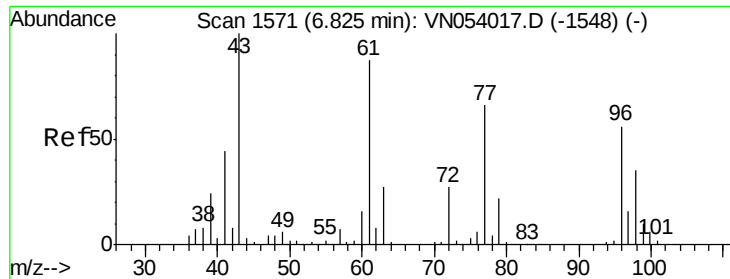
MMDadoda
 3/6/2019 10:23:49 AM



#30
 2-Butanone
 Concen: 93.183 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN054027.D
 Acq: 1 Mar 2019 14:10

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.1	6.2	9.4
72	25.5	21.0	31.6





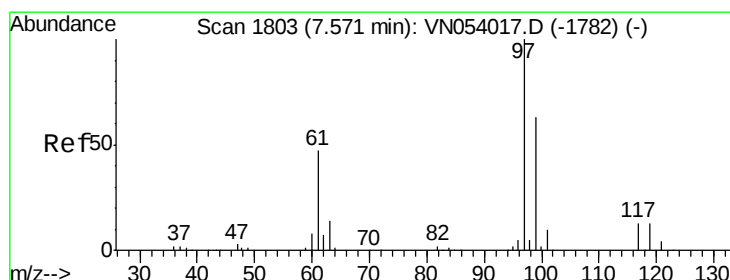
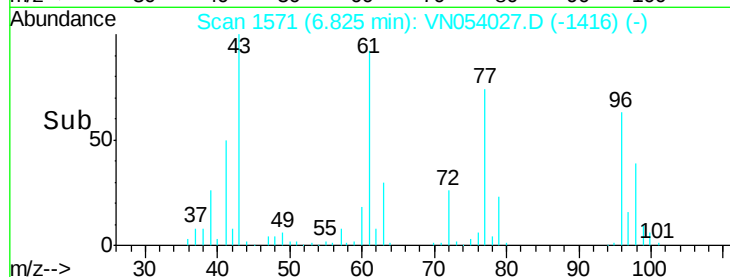
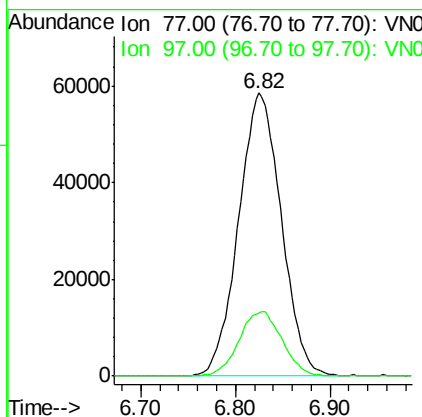
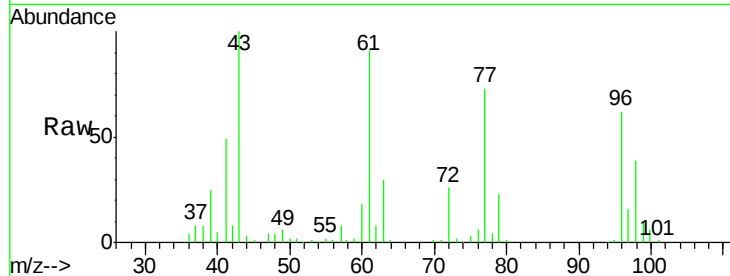
#31
 2,2-Dichloropropane
 Concen: 19.246 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN054027.D
 Acq: 1 Mar 2019 14:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0301WBS01

Tot Ion: 77 Resp: 183673
 Ion Ratio Lower Upper
 77 100
 97 23.0 18.7 28.1

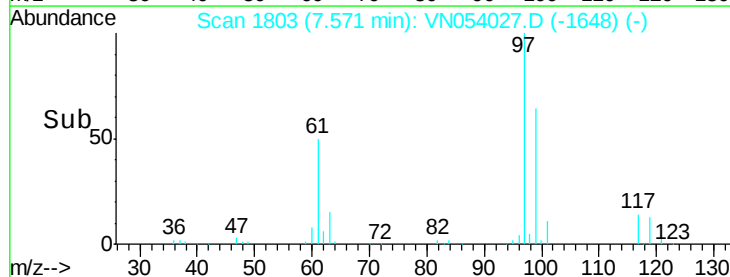
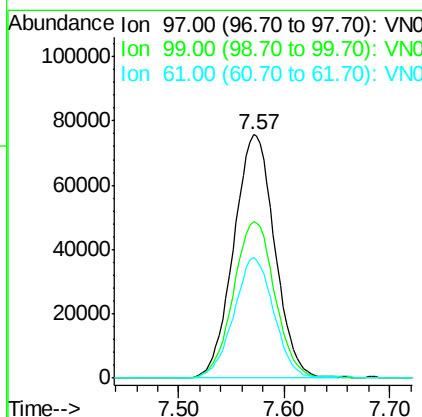
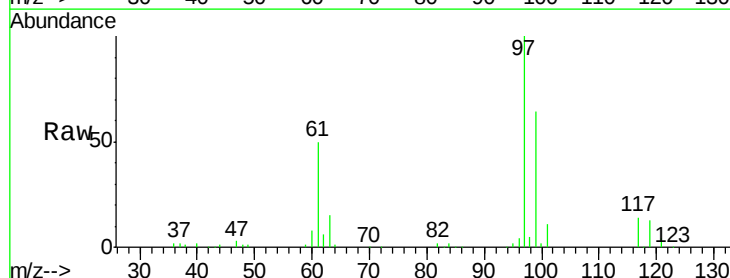
Manual Integrations
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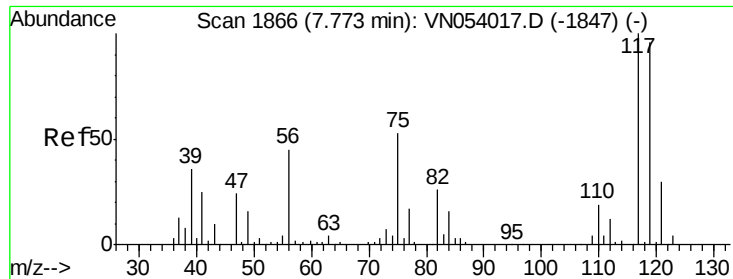
MMDadoda
 3/6/2019 10:23:49 AM



#32
 1,1,1-Trichloroethane
 Concen: 19.653 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN054027.D
 Acq: 1 Mar 2019 14:10

Tgt Ion: 97 Resp: 204598
 Ion Ratio Lower Upper
 97 100
 99 64.6 50.9 76.3
 61 48.0 38.1 57.1





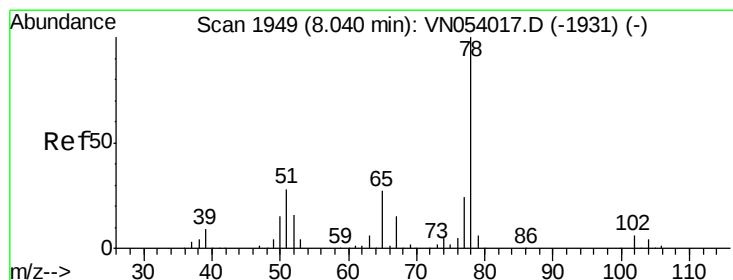
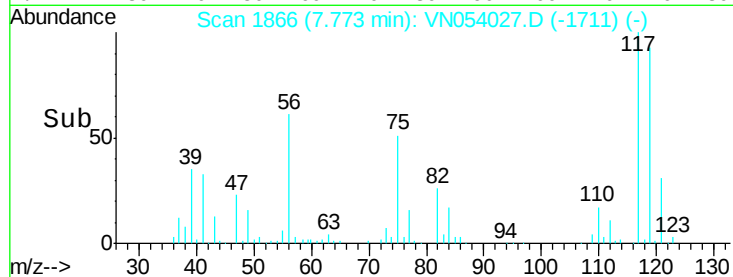
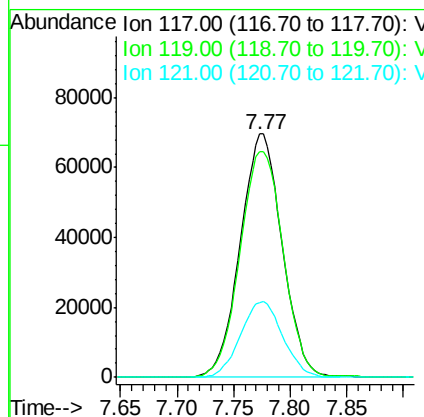
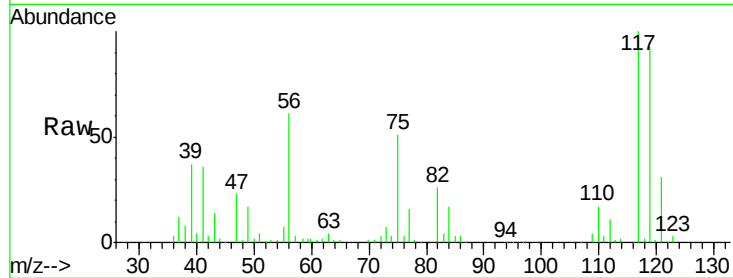
#33
Carbon Tetrachloride
Concen: 19.401 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN0301WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.6	77.3	115.9
121	30.9	24.9	37.3

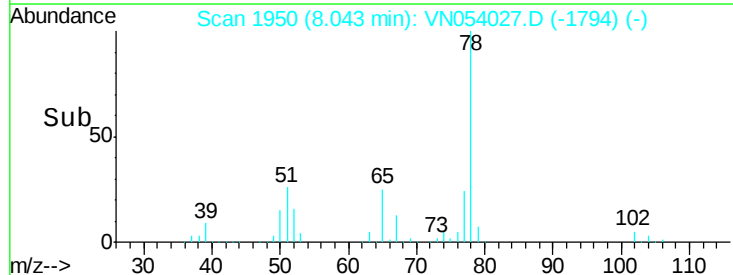
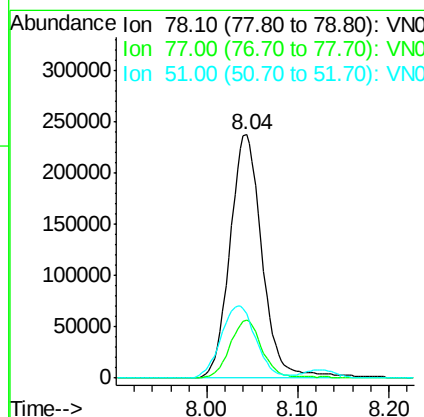
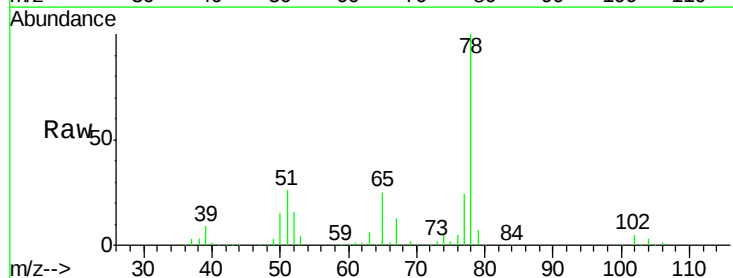
Manual Integrations
APPROVED

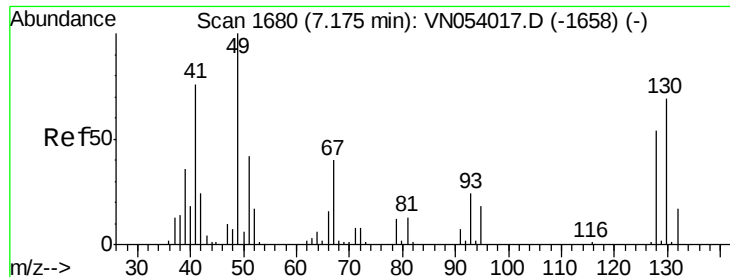
MMDadoda
3/6/2019 10:23:49 AM



#34
Benzene
Concen: 20.177 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.6
51	26.2	20.5	30.7





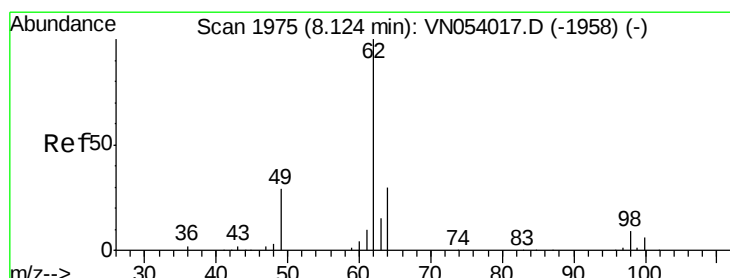
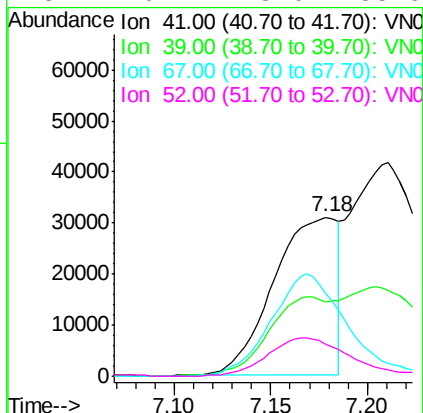
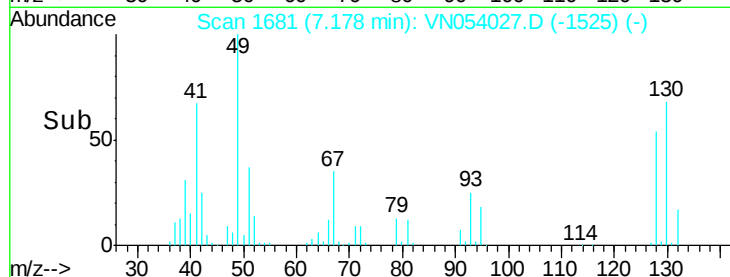
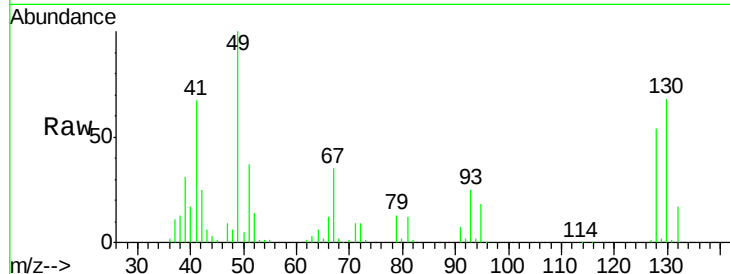
#35
Methacrylonitrile
Concen: 20.716 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

Instrument :
MSVOA_N
ClientSampled :
VN0301WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	46.7	26.6	79.7	
67	53.1	32.3	96.9	
52	20.7	13.0	38.9	

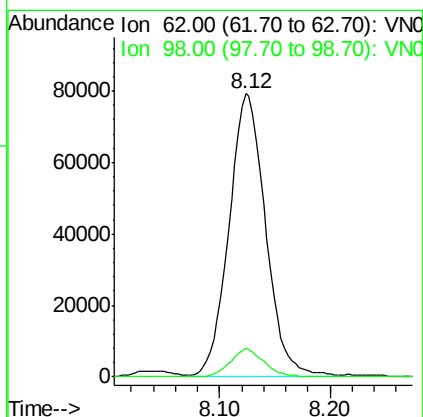
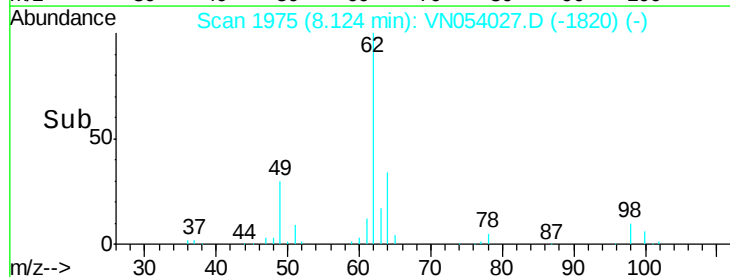
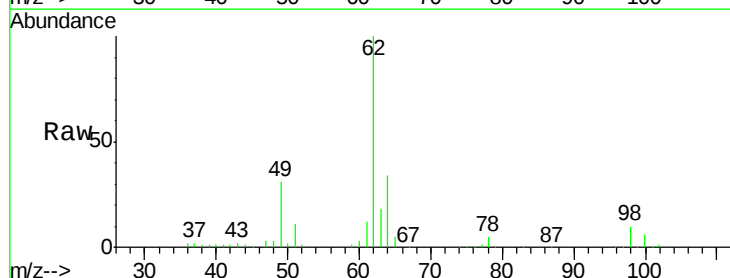
Manual Integrations
APPROVED

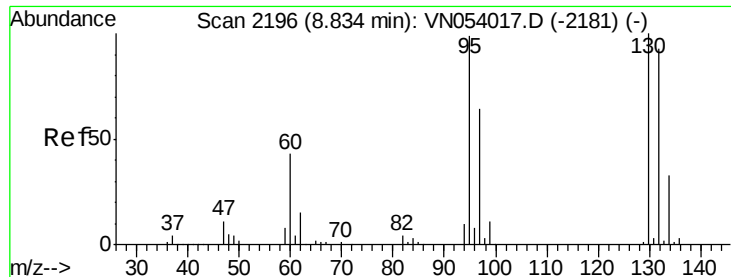
MMDadoda
3/6/2019 10:23:49 AM



#36
1,2-Dichloroethane
Concen: 19.671 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

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





#37

Trichloroethene

Concen: 19.744 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

VN0301WBS01

Tot Ion:130 Resp: 148248

Ion Ratio Lower Upper

130 100

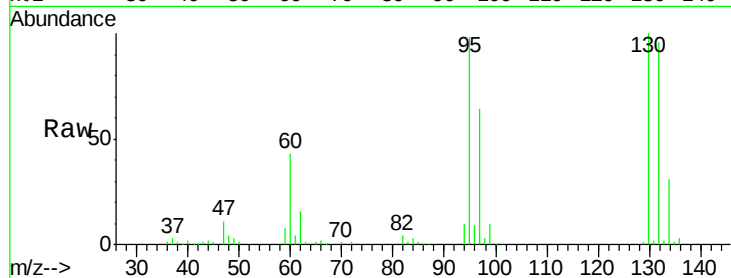
95 97.5 81.0 121.4

Manual Integrations

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MMDadoda

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.84

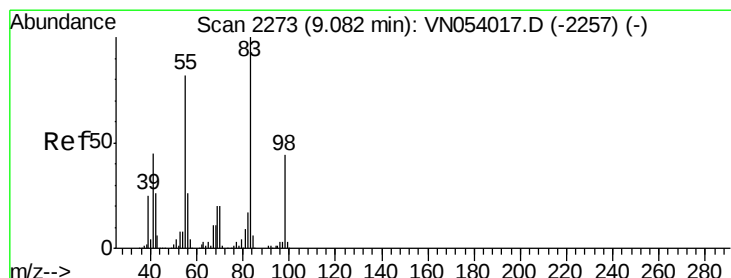
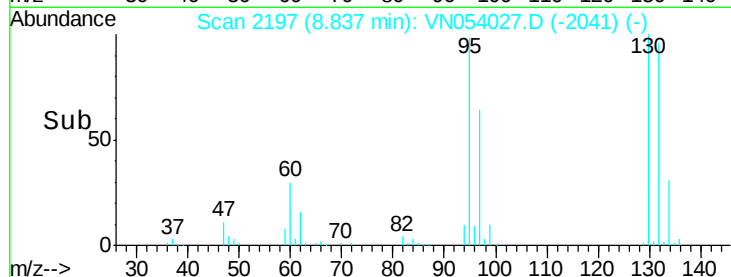
60000

40000

20000

0

Time-->



#38

Methylcyclohexane

Concen: 18.793 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

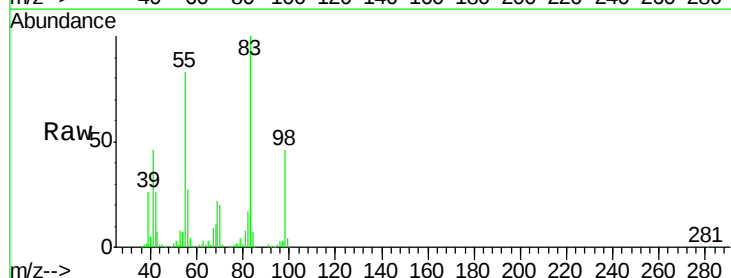
Tgt Ion: 83 Resp: 214683

Ion Ratio Lower Upper

83 100

55 81.7 39.8 119.4

98 45.5 22.9 68.5



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

120000

100000

80000

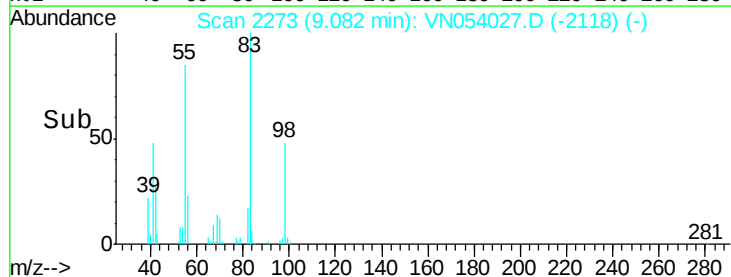
60000

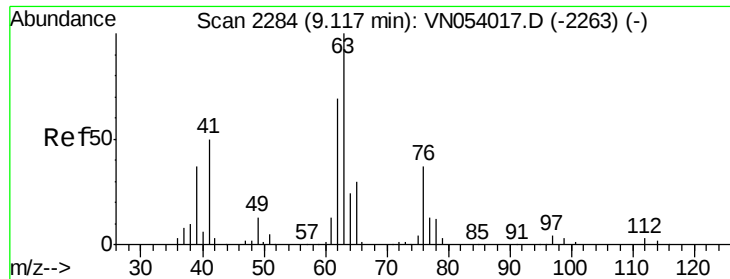
40000

20000

0

Time-->





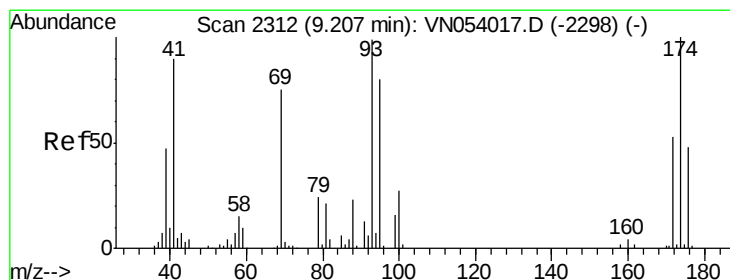
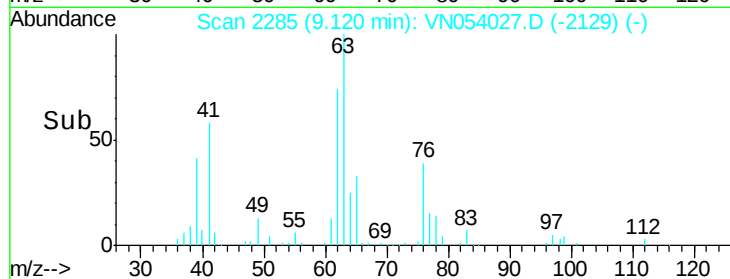
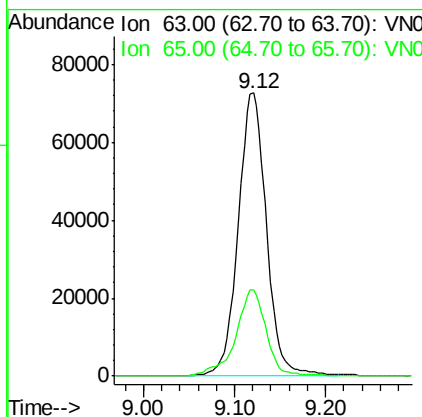
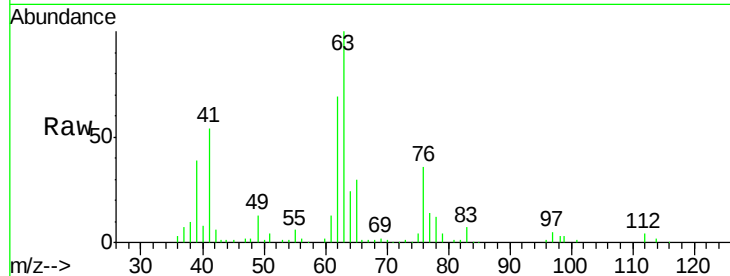
#39
 1,2-Dichloropropane
 Concen: 19.923 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054027.D
 Acq: 1 Mar 2019 14:10

Instrument :
 MSVOA_N
 ClientSampled :
 VN0301WBS01

Tot Ion: 63 Resp: 156996
 Ion Ratio Lower Upper
 63 100
 65 30.3 23.6 35.4

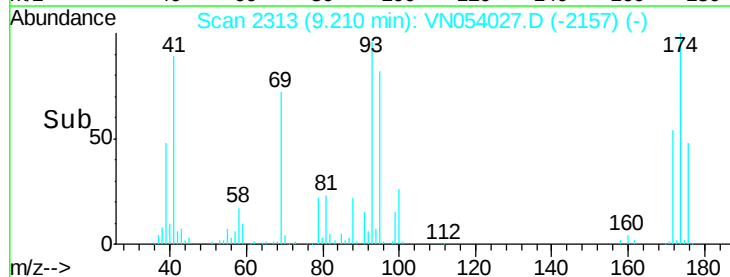
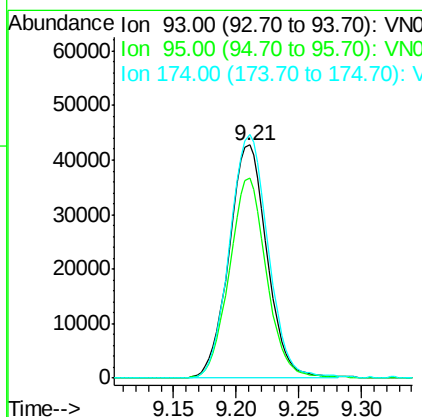
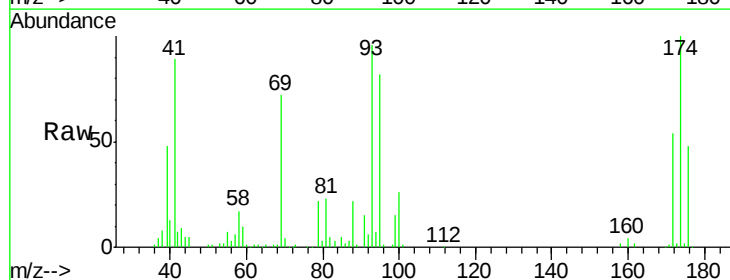
Manual Integrations
 APPROVED

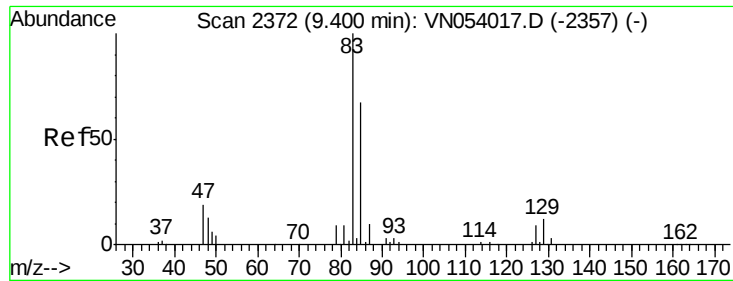
MMDadoda
 3/6/2019 10:23:49 AM



#40
 Dibromomethane
 Concen: 20.000 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054027.D
 Acq: 1 Mar 2019 14:10

Tgt Ion: 93 Resp: 90347
 Ion Ratio Lower Upper
 93 100
 95 83.6 0.0 168.4
 174 105.1 0.0 210.0





#41

Bromodichloromethane

Concen: 19.863 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Instrument :

MSVOA_N

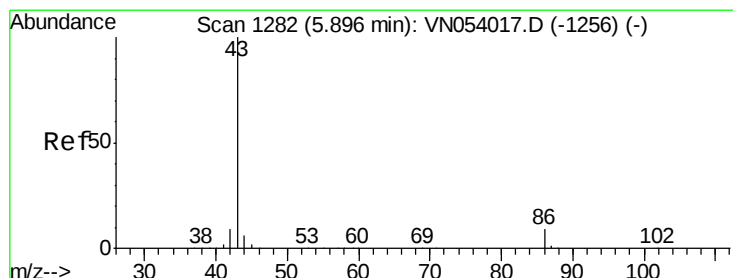
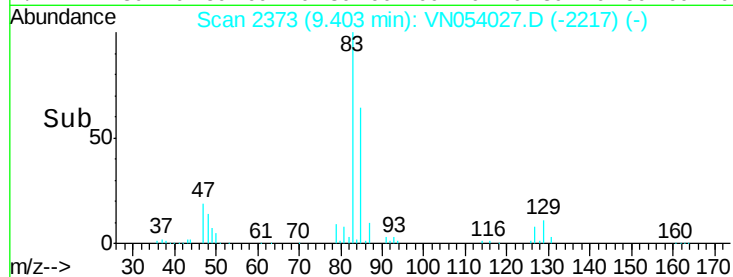
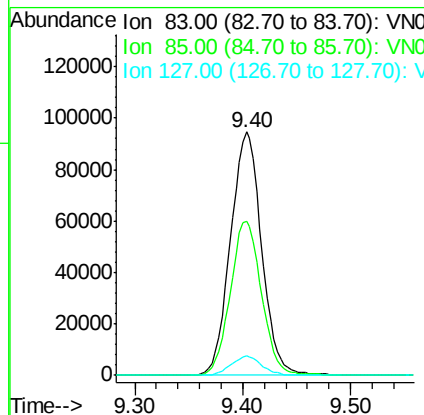
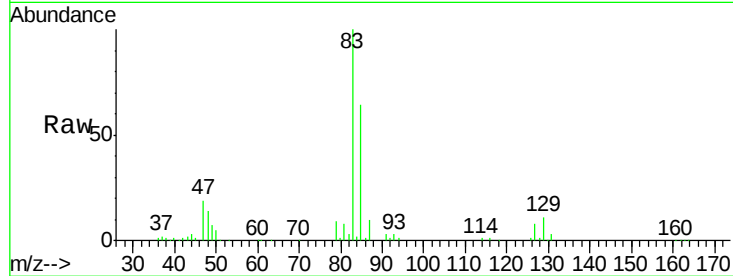
ClientSampled :

VN0301WBS01

Tot Ion:	83	Resp:	190385
Ion Ratio	Lower	Upper	
83	100		
85	63.5	52.4	78.6
127	7.8	6.6	9.8

Manual Integrations
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3/6/2019 10:23:49 AM



#42

Vinyl Acetate

Concen: 97.194 ug/l

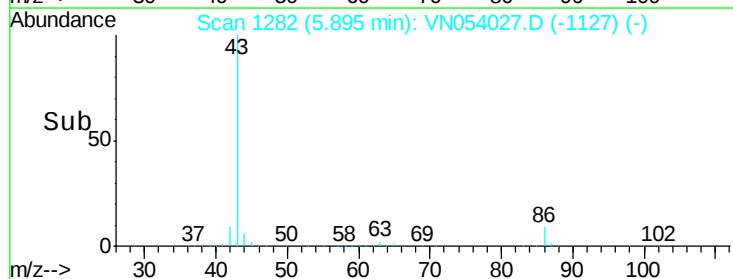
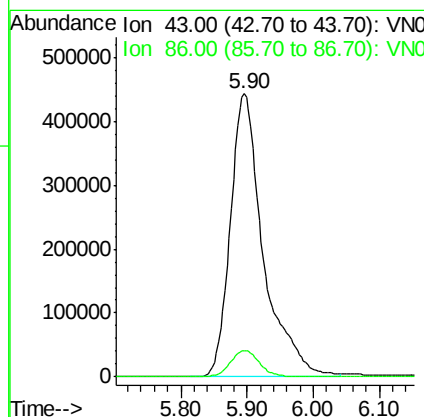
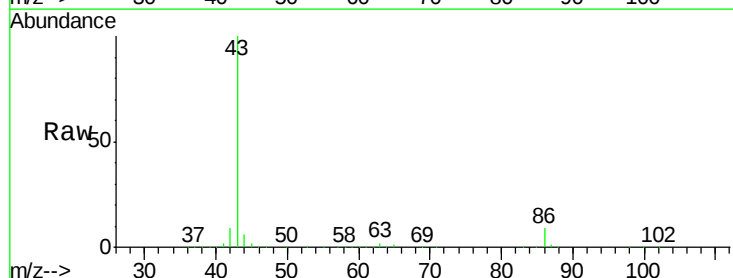
RT: 5.90 min Scan# 1282

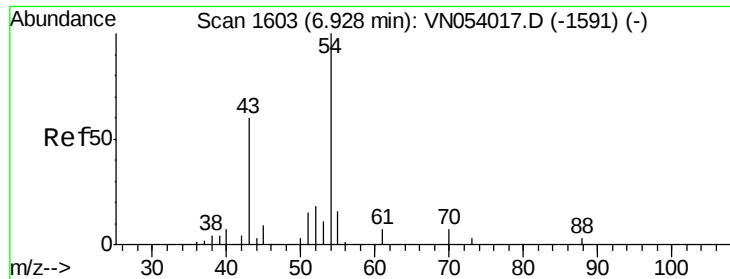
Delta R.T. -0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Tgt Ion:	43	Resp:	1534447
Ion Ratio	Lower	Upper	
43	100		
86	8.0	6.5	9.7





#43

Ethyl Acetate

Concen: 18.761 ug/l

RT: 6.93 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Instrument :

MSVOA_N

ClientSampled :

VN0301WBS01

Tot Ion: 43 Resp: 120088

Ion Ratio Lower Upper

43 100

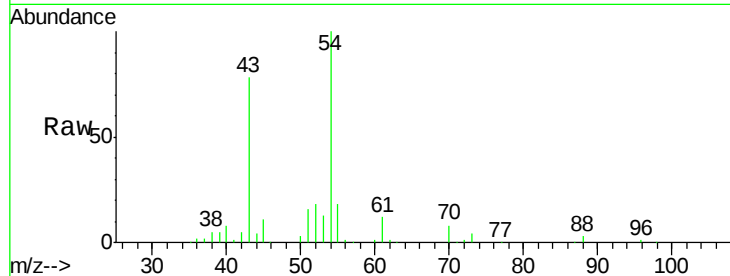
45 13.6 1.0 1.6#

Manual Integrations

APPROVED

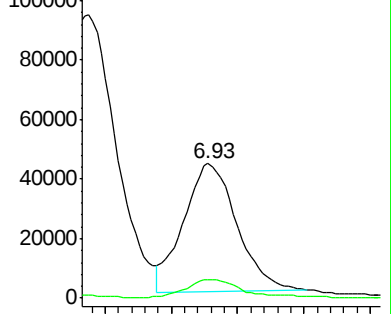
MMDadoda

3/6/2019 10:23:49 AM

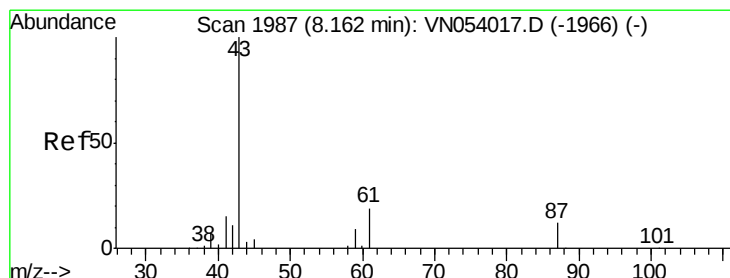
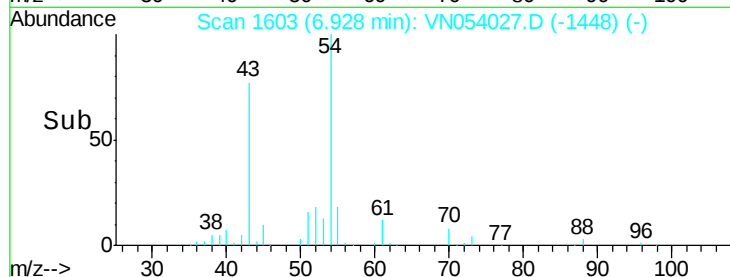


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



Time-->



#44

Isopropyl Acetate

Concen: 19.626 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN054027.D

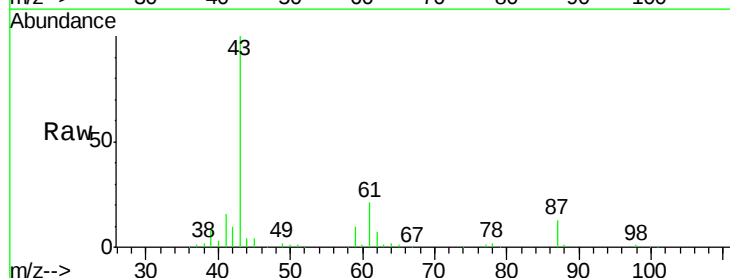
Acq: 1 Mar 2019 14:10

Tgt Ion: 43 Resp: 220433

Ion Ratio Lower Upper

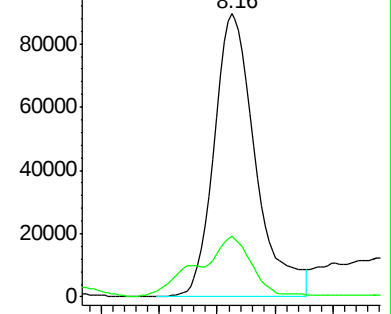
43 100

61 18.2 16.0 24.0

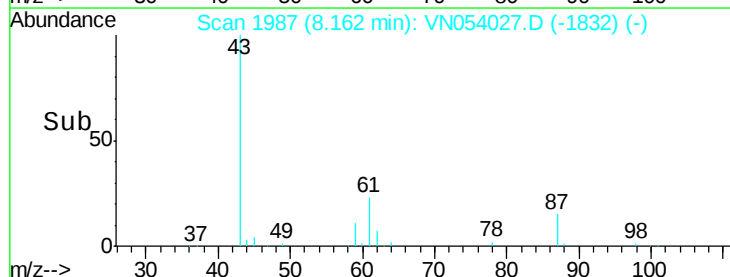


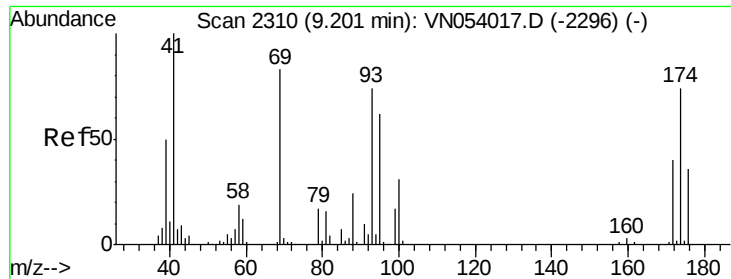
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



Time-->





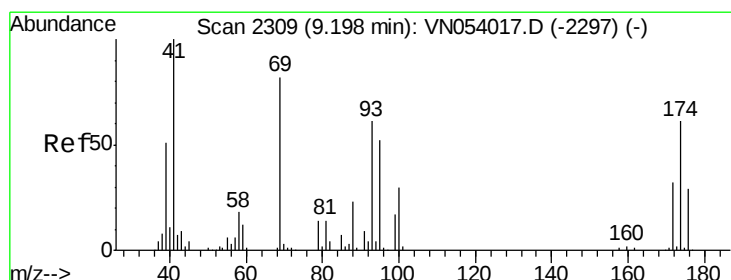
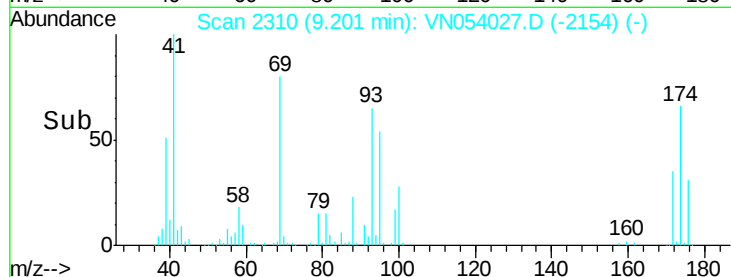
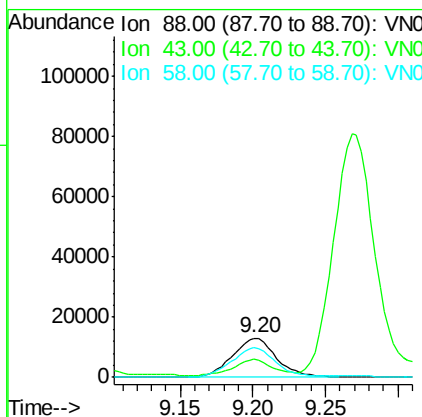
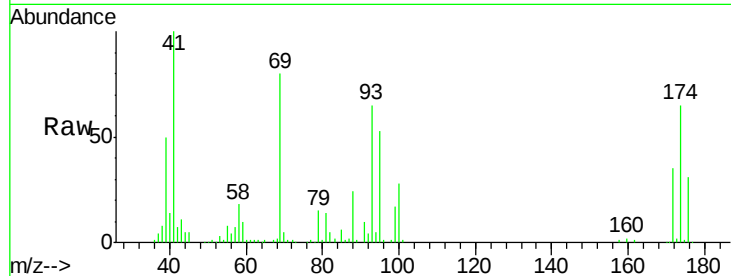
#45
 1,4-Dioxane
 Concen: 418.906 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN054027.D
 Acq: 1 Mar 2019 14:10

Instrument :
 MSVOA_N
 ClientSampled :
 VN0301WBS01

Tot Ion	88	Resp	27552
Ion Ratio	Lower	Upper	
88	100		
43	36.7	29.5	44.3
58	75.1	61.5	92.3

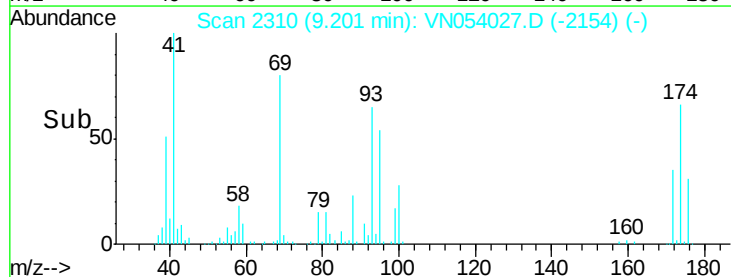
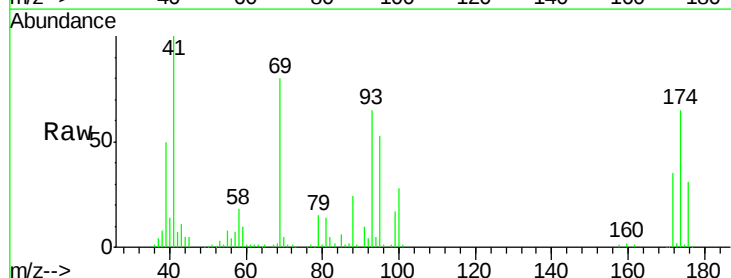
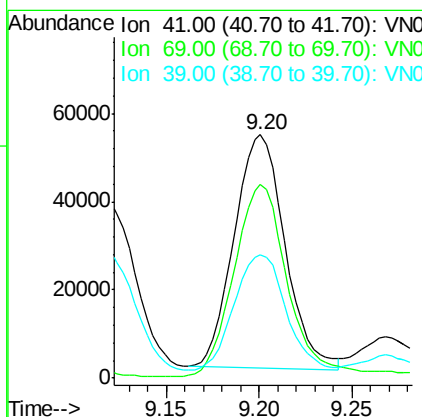
Manual Integrations
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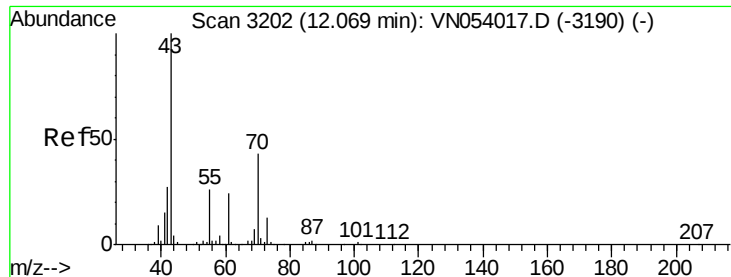
MMDadoda
 3/6/2019 10:23:49 AM



#46
 Methyl methacrylate
 Concen: 18.703 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN054027.D
 Acq: 1 Mar 2019 14:10

Tgt Ion	41	Resp	100900
Ion Ratio	Lower	Upper	
41	100		
69	82.7	42.5	127.6
39	49.6	26.3	78.9





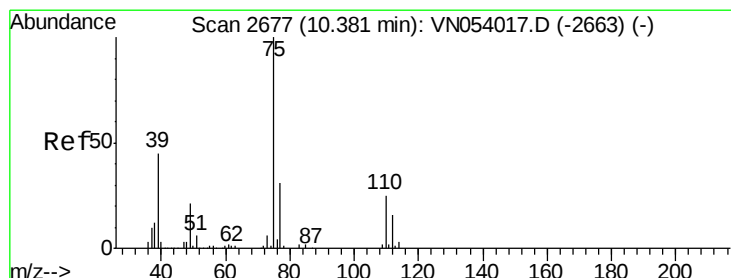
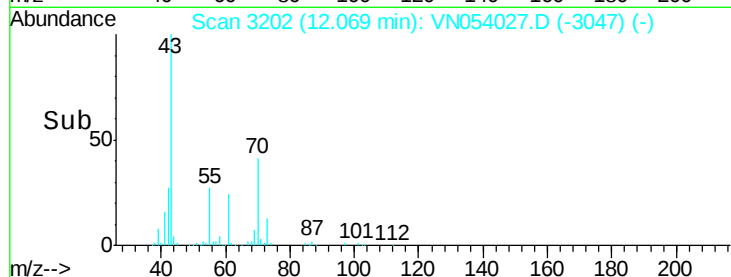
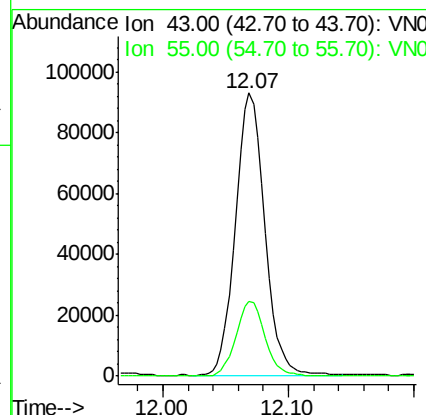
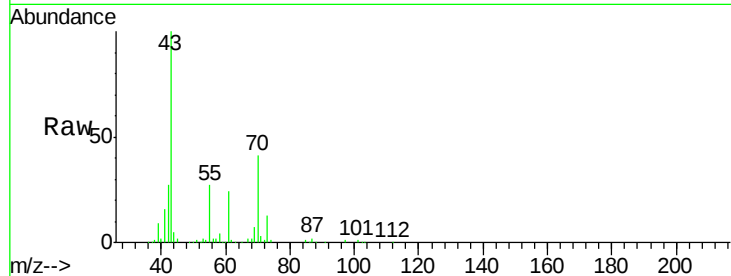
#47
n-amvl Acetate
Concen: 18.191 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

Instrument :
MSVOA_N
ClientSampled :
VN0301WBS01

Tot Ion: 43 Resp: 150091
Ion Ratio Lower Upper
43 100
55 26.3 21.1 31.7

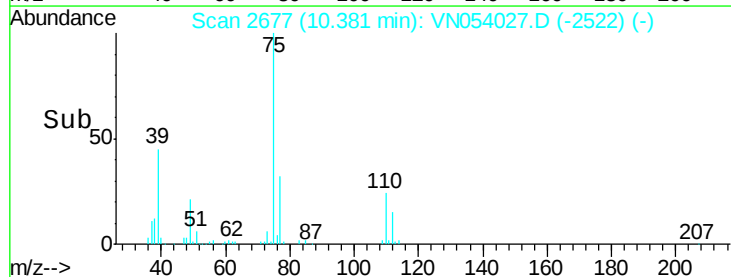
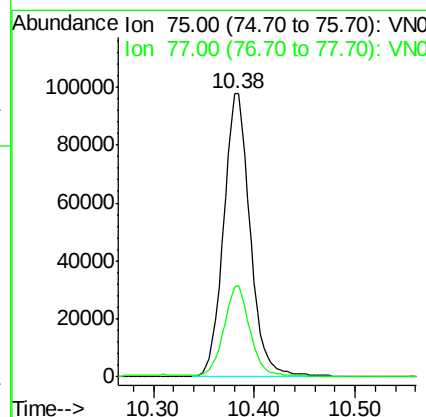
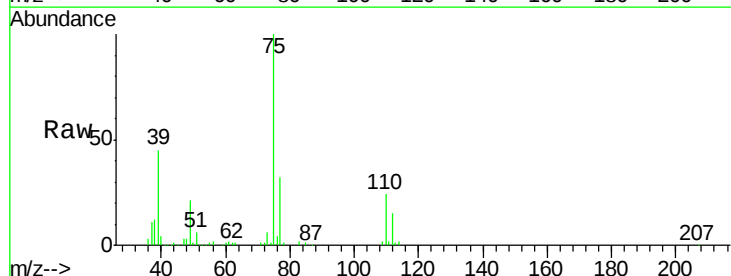
Manual Integrations
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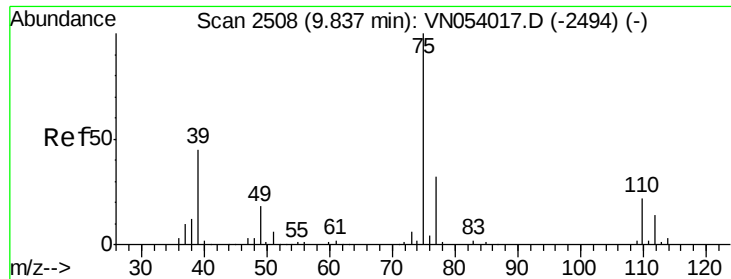
MMDadoda
3/6/2019 10:23:49 AM



#48
t-1,3-Dichloropropene
Concen: 18.740 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

Tgt Ion: 75 Resp: 180095
Ion Ratio Lower Upper
75 100
77 31.7 25.6 38.4





#49

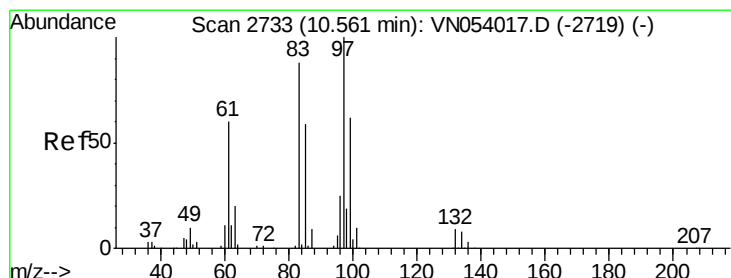
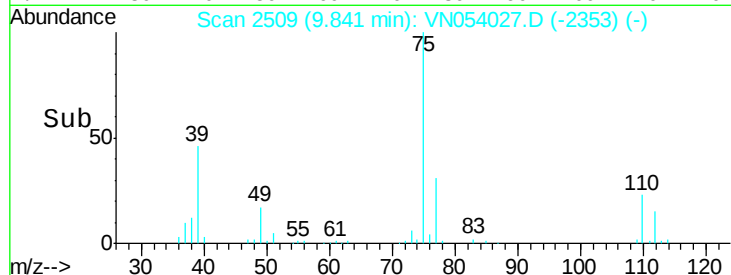
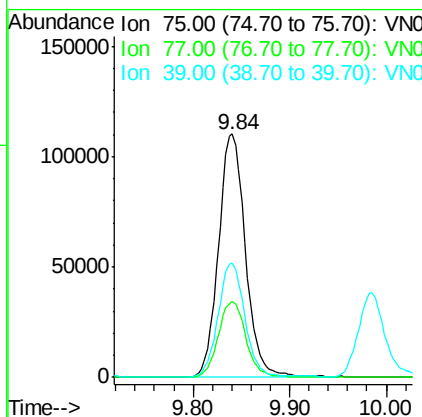
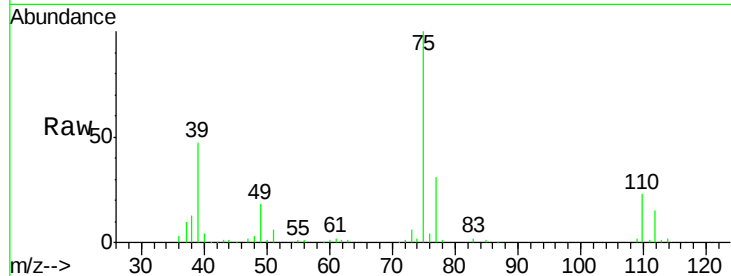
cis-1,3-Dichloropropene
 Concen: 18.952 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN054027.D
 Acq: 1 Mar 2019 14:10

Instrument :
 MSVOA_N
 ClientSampled :
 VN0301WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.4	38.0
39	46.7	37.3	55.9

Manual Integrations
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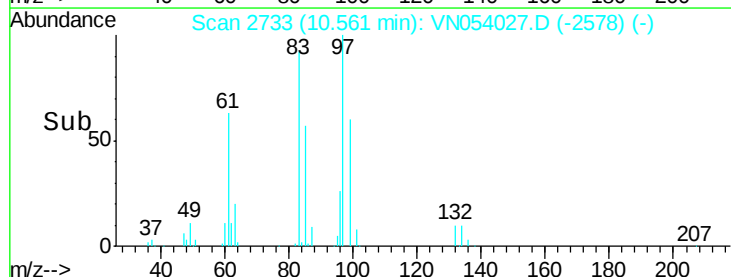
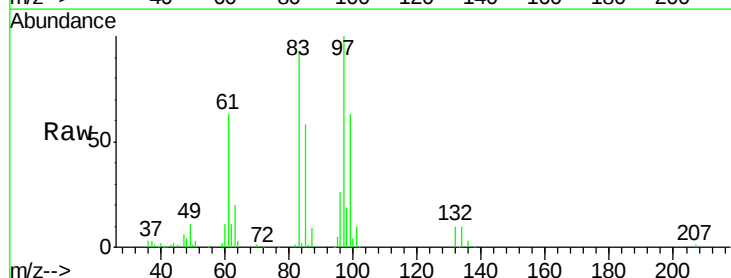
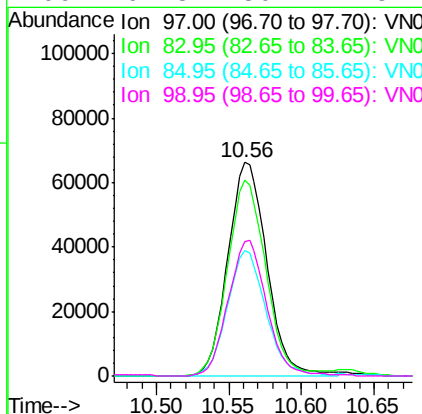
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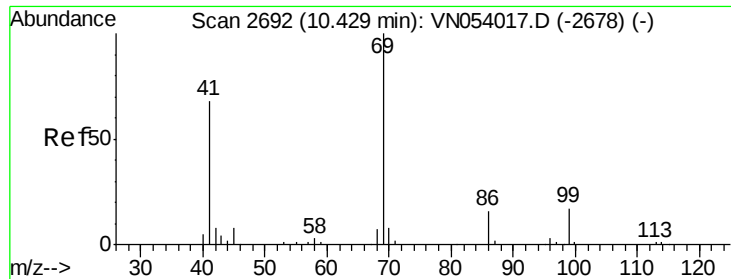


#50

1,1,2-Trichloroethane
 Concen: 19.521 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054027.D
 Acq: 1 Mar 2019 14:10

Tgt Ion	Ratio	Lower	Upper
97	100		
83	91.3	70.4	105.6
85	58.5	45.0	67.6
99	62.8	50.2	75.2





#51

Ethyl methacrylate

Concen: 18.757 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Instrument :

MSVOA_N

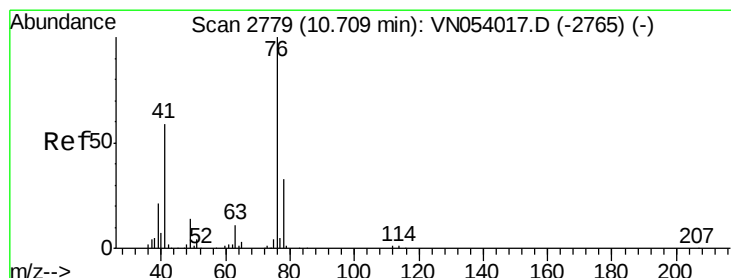
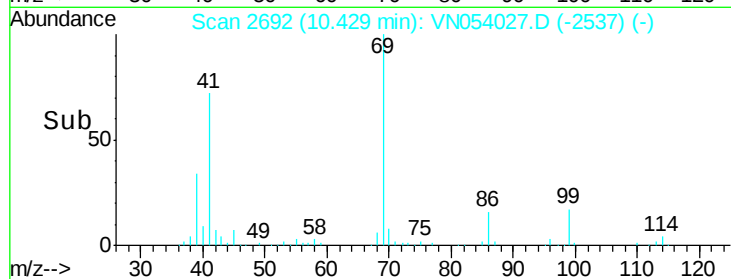
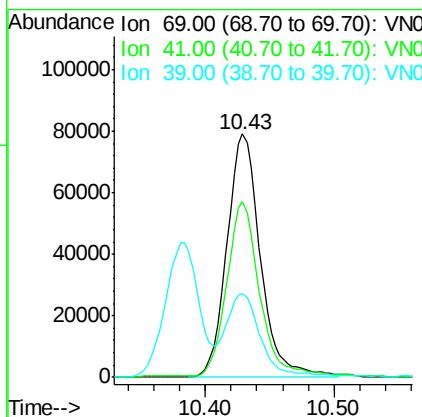
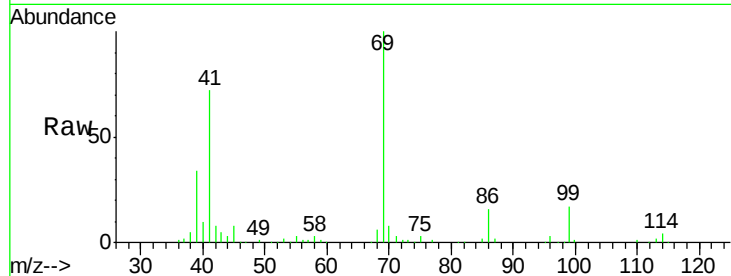
ClientSampled :

VN0301WBS01

Tot Ion:	69	Resp:	143086
Ion Ratio	Lower	Upper	
69	100		
41	71.4	34.4	103.3
39	33.7	16.4	49.2

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.929 ug/l

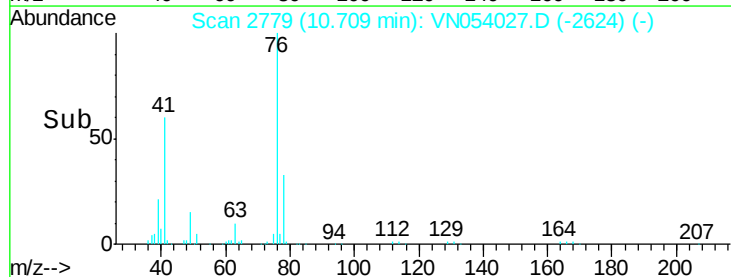
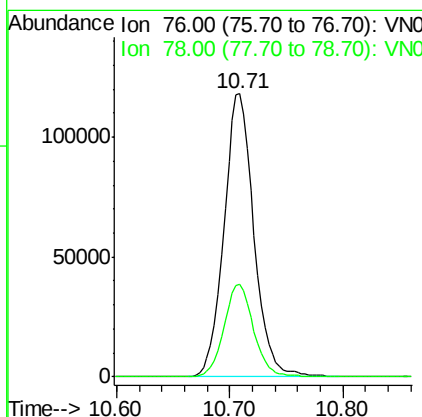
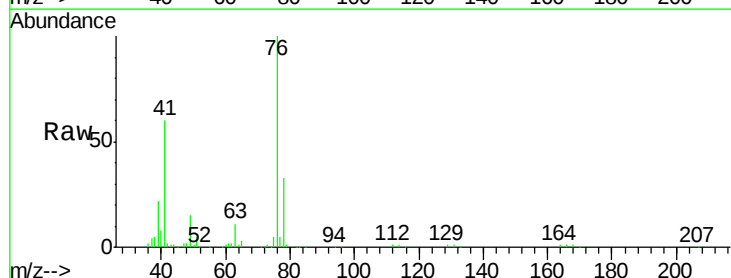
RT: 10.71 min Scan# 2779

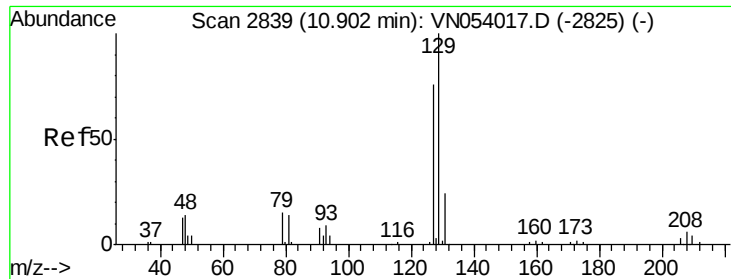
Delta R.T. -0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Tgt Ion:	76	Resp:	216735
Ion Ratio	Lower	Upper	
76	100		
78	32.2	0.0	64.8





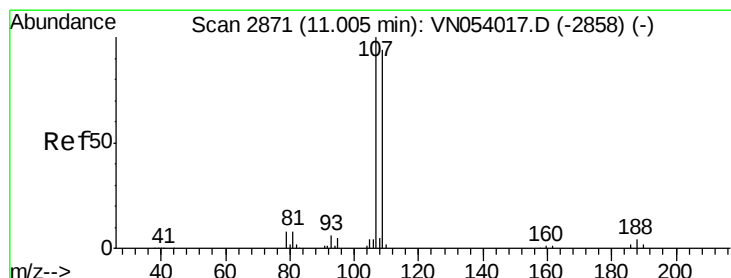
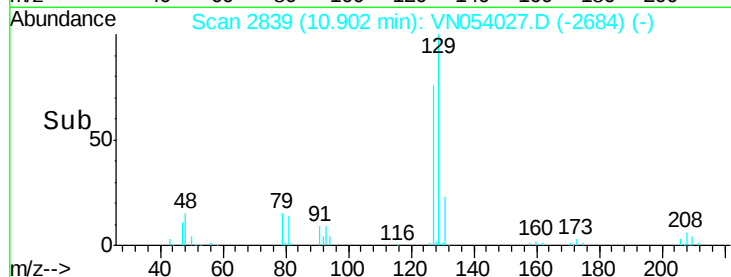
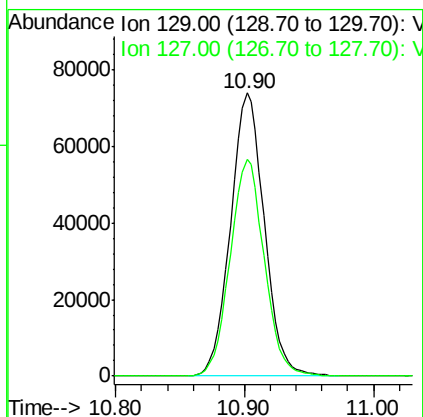
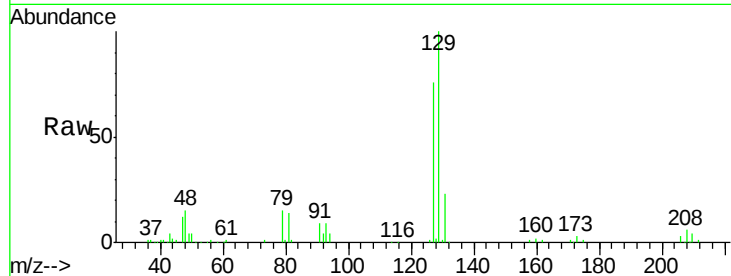
#53
Dibromochloromethane
Concen: 19.296 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN0301WBS01

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.5	37.6	112.8

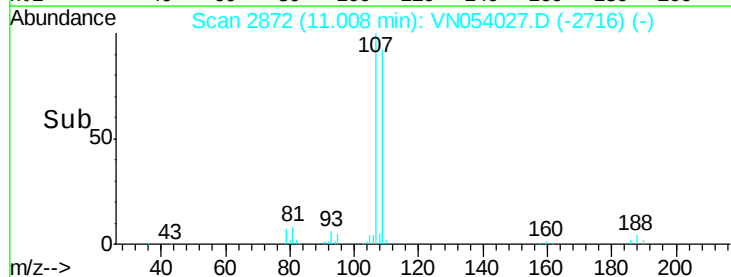
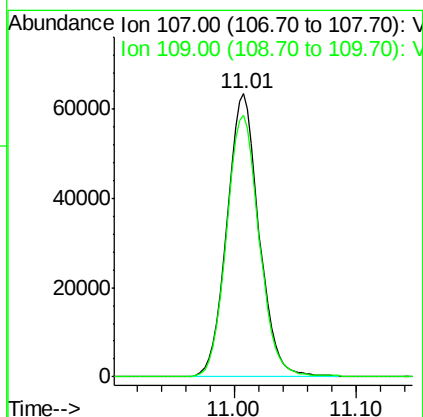
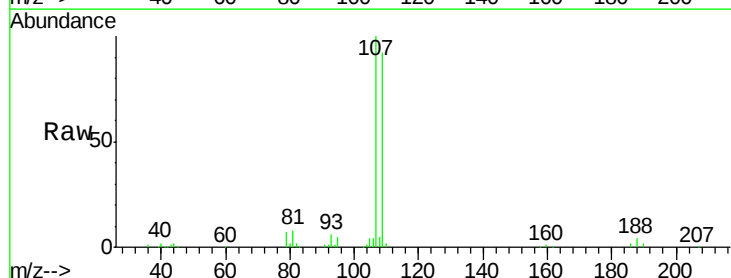
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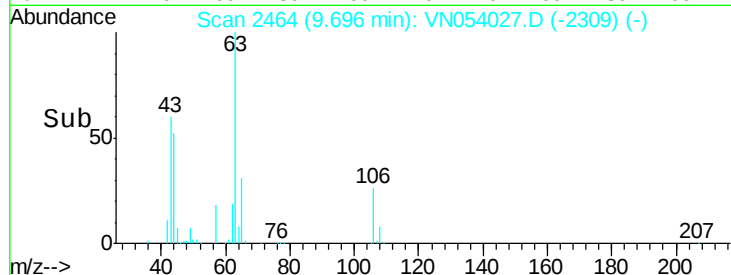
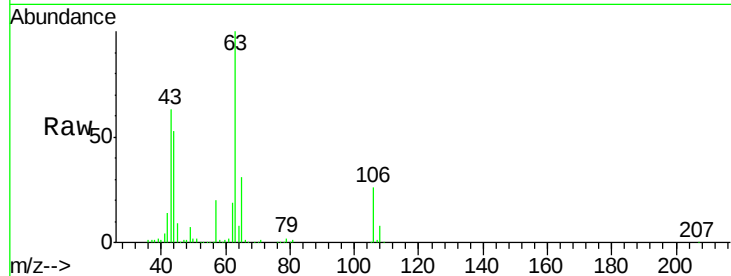
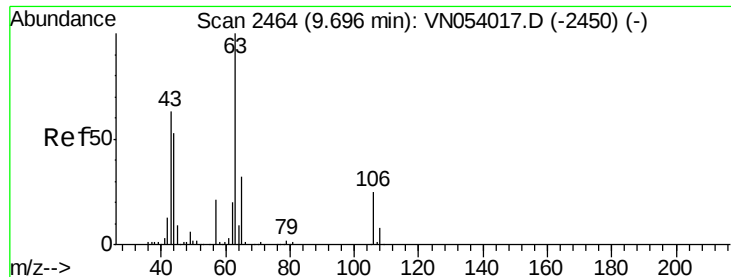
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#54
1,2-Dibromoethane
Concen: 19.282 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.4	77.1	115.7





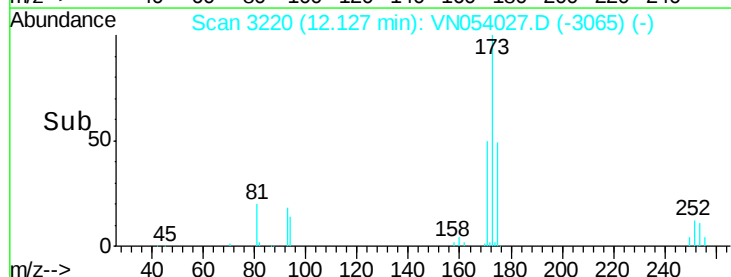
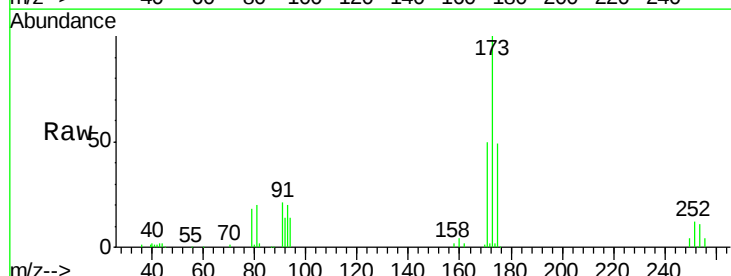
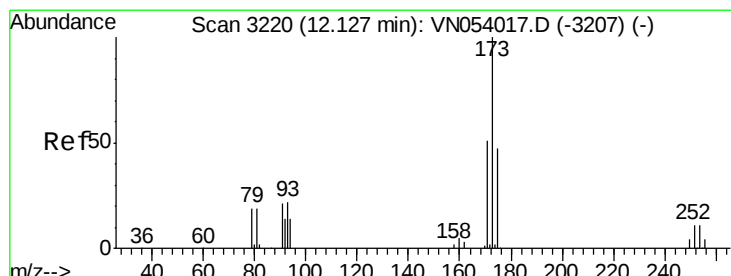
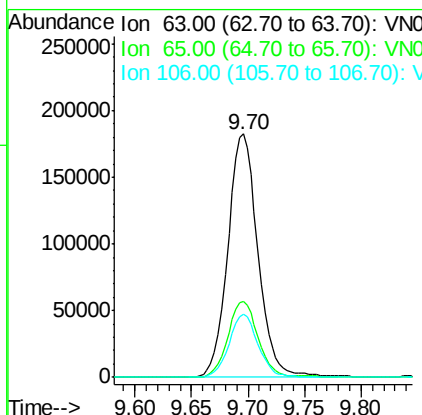
#55
2-Chloroethyl vinyl ether
Concen: 95.757 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. -0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	25.4	38.2
106	25.1	20.4	30.6

Instrument :
MSVOA_N
ClientSampleId :
VN0301WBS01

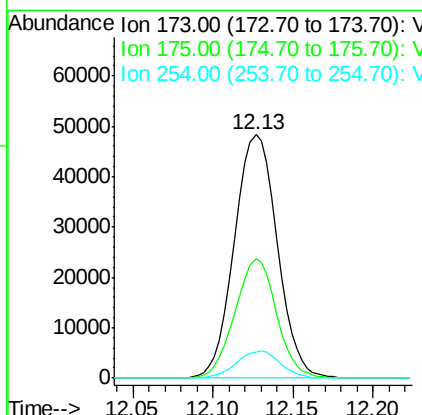
Manual Integrations
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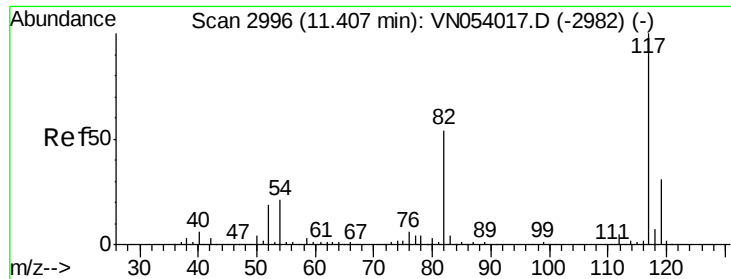
MMDadoda
3/6/2019 10:23:49 AM



#56
Bromoform
Concen: 19.126 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.4	38.7	58.1
254	11.2	8.4	12.6





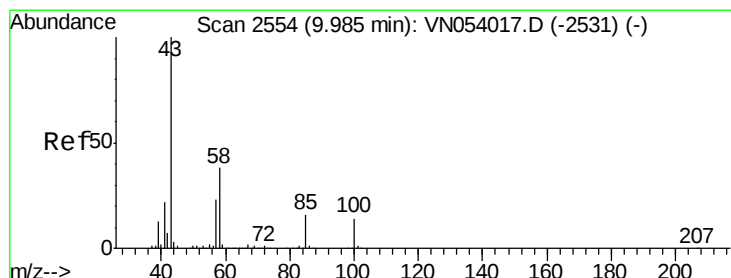
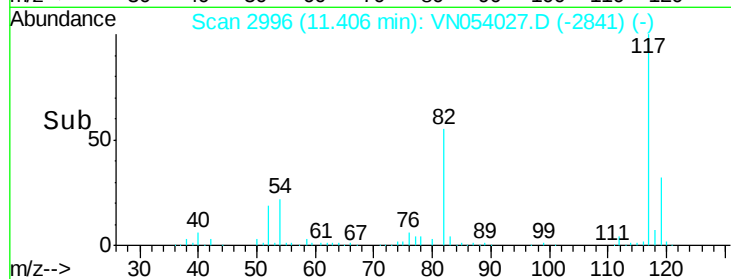
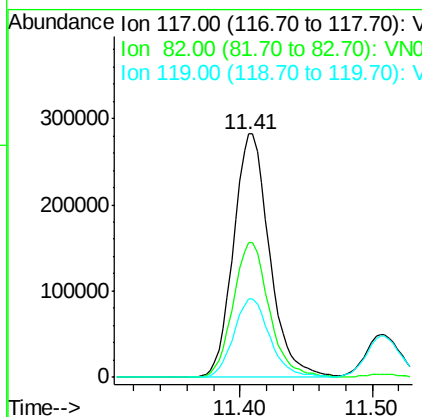
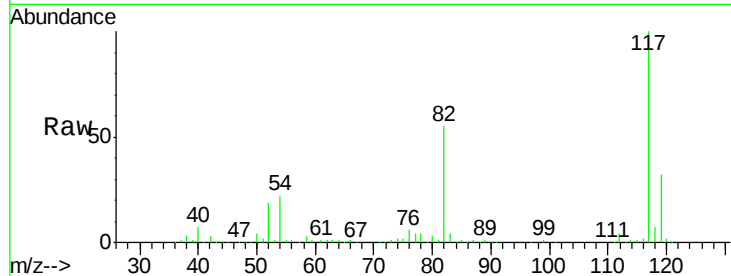
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

Instrument :
MSVOA_N
ClientSampled :
VN0301WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	44.2	66.2
119	32.4	25.4	38.2

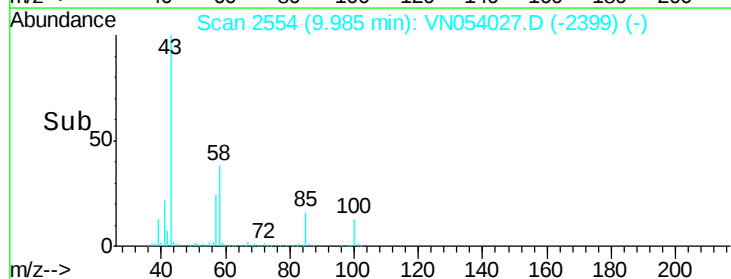
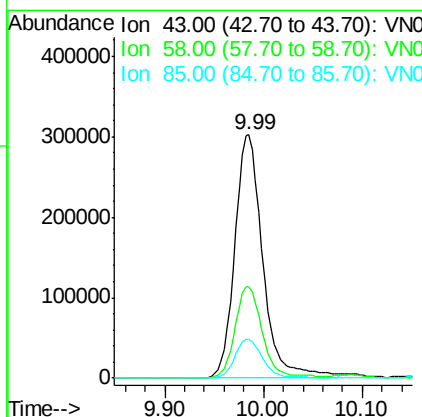
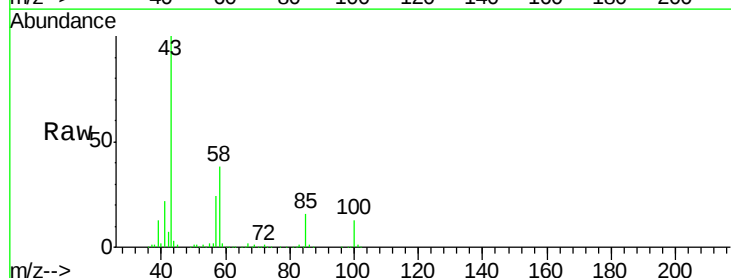
Manual Integrations
APPROVED

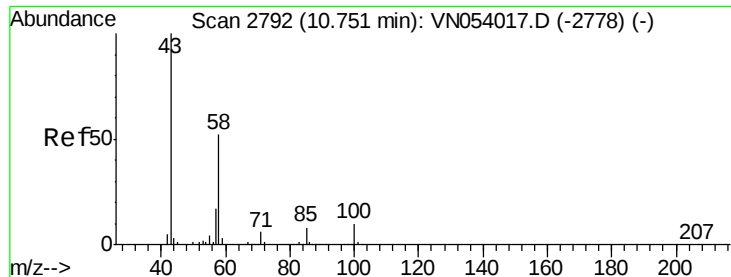
MMDadoda
3/6/2019 10:23:49 AM



#58
4-Methyl-2-Pentanone
Concen: 98.505 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.0	31.6	47.4
85	15.9	13.3	19.9





#59

2-Hexanone

Concen: 92.674 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Instrument :

MSVOA_N

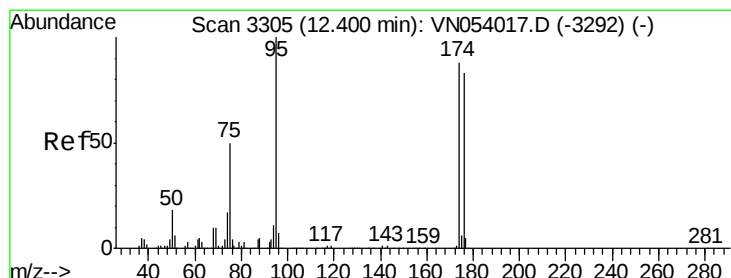
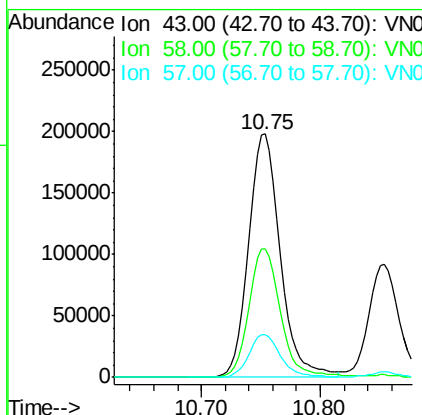
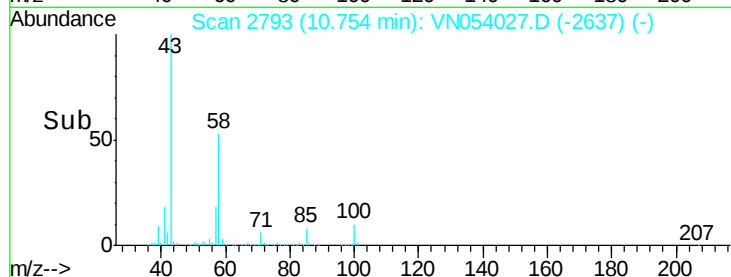
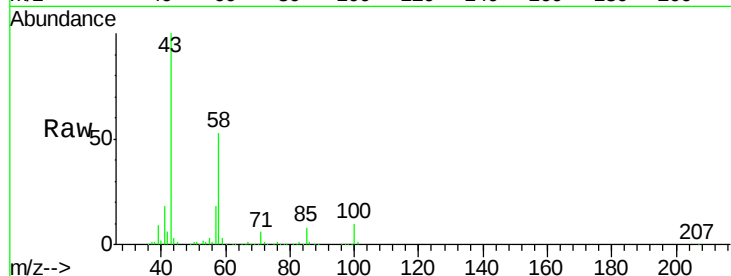
ClientSampled :

VN0301WBS01

Tot Ion:	43	Resp:	364945
Ion Ratio	Lower	Upper	
43	100		
58	52.8	43.2	64.8
57	17.5	14.9	22.3

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#60

4-Bromofluorobenzene

Concen: 92.674 ug/l

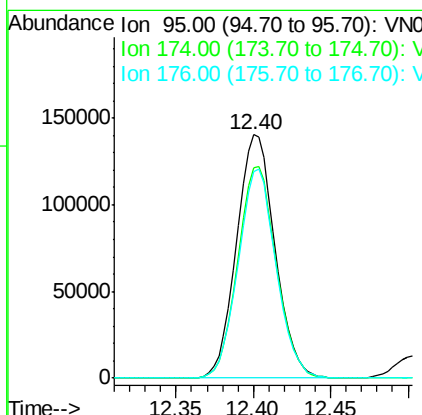
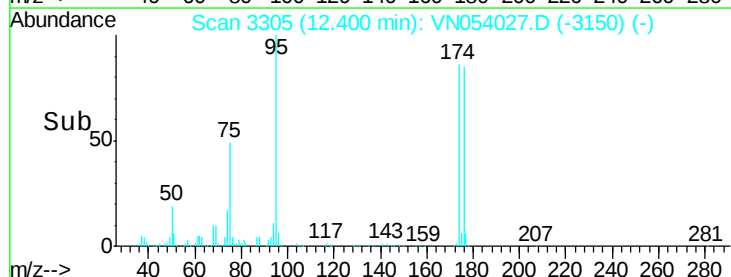
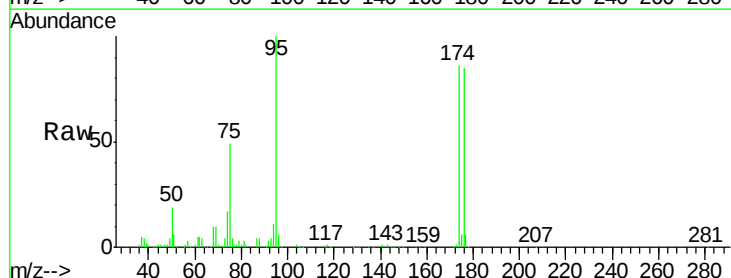
RT: 12.40 min Scan# 3305

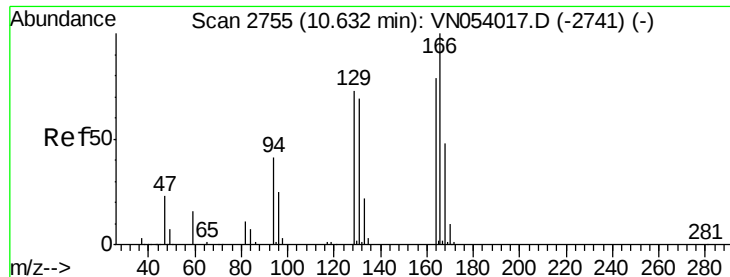
Delta R.T. -0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Tgt Ion:	95	Resp:	242609
Ion Ratio	Lower	Upper	
95	100		
174	87.2	67.9	101.9
176	84.8	66.4	99.6





#61

Tetrachloroethene

Concen: 19.984 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Instrument :

MSVOA_N

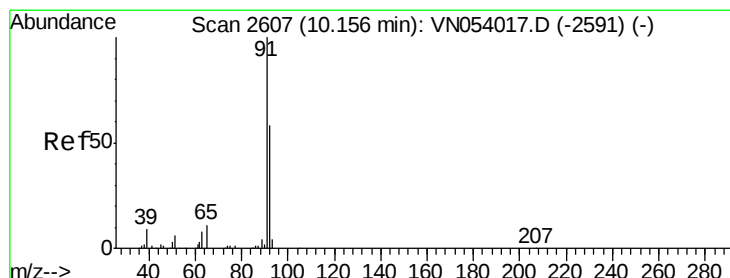
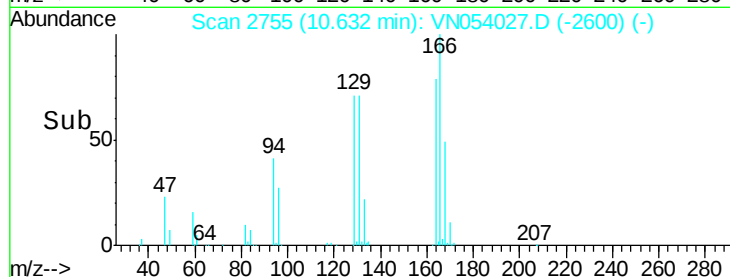
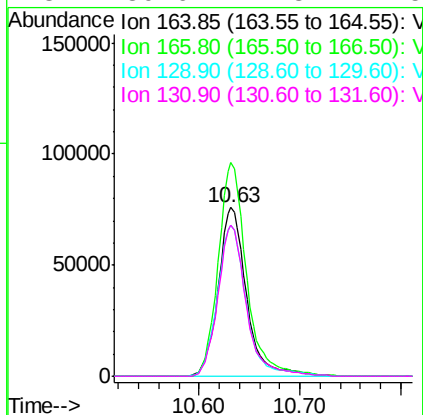
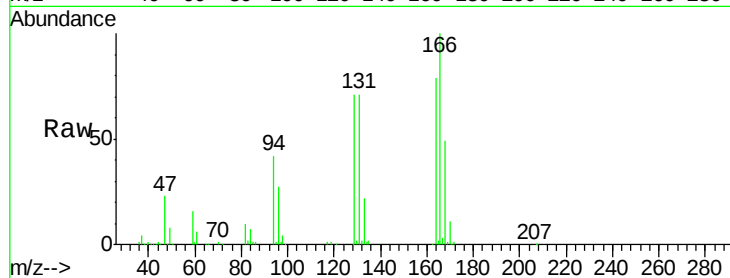
ClientSampleId :

VN0301WBS01

Tot Ion:	164	Resp:	148605
Ion Ratio	Lower	Upper	
164	100		
166	126.8	104.6	157.0
129	89.5	75.3	112.9
131	89.6	74.3	111.5

Manual Integrations
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#62

Toluene

Concen: 19.921 ug/l

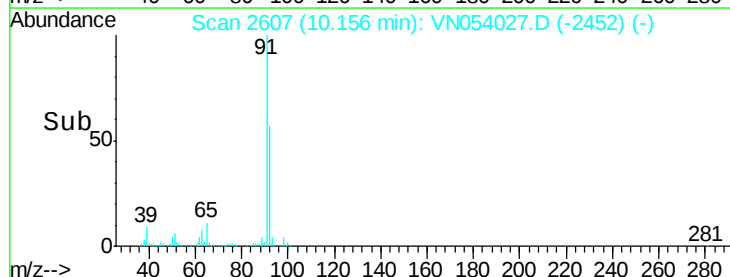
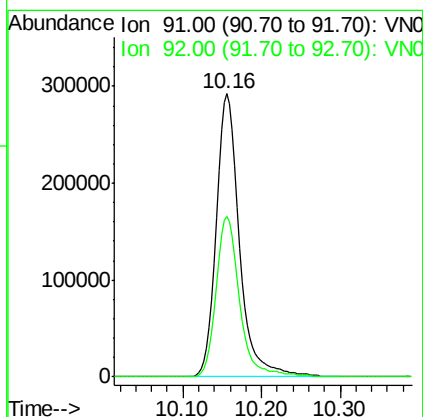
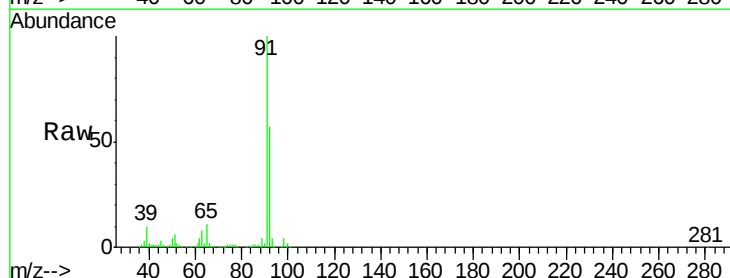
RT: 10.16 min Scan# 2607

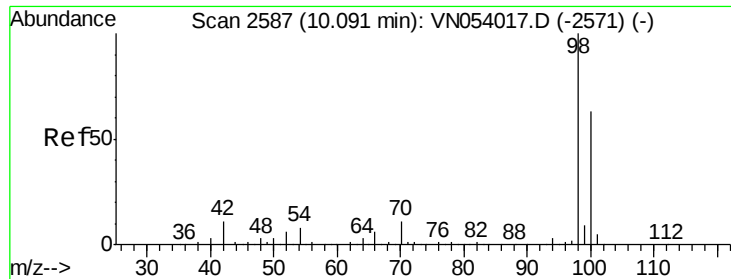
Delta R.T. -0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Tgt Ion:	91	Resp:	595512
Ion Ratio	Lower	Upper	
91	100		
92	57.3	45.4	68.2





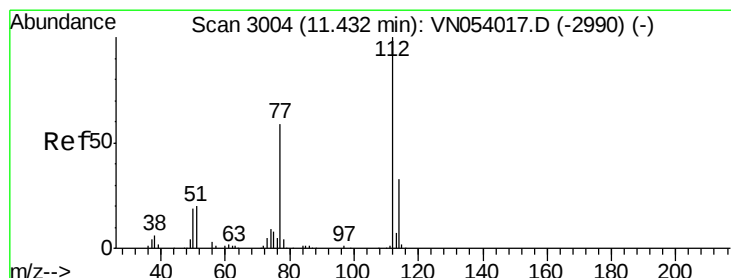
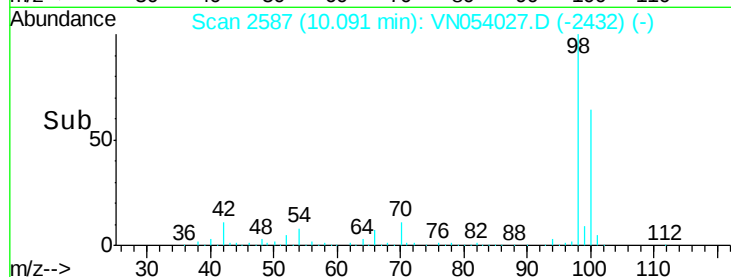
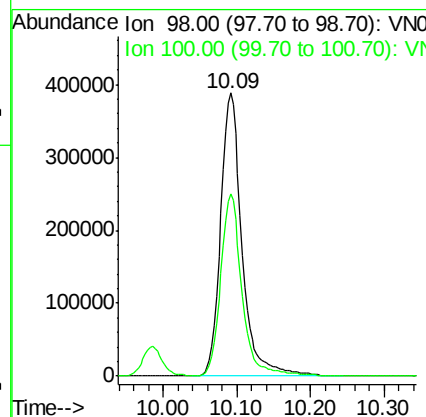
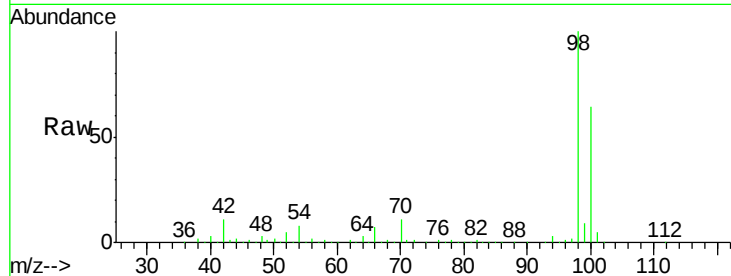
#63
Toluene-d8
Concen: 19.921 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN0301WBS01

Tot Ion: 98 Resp: 780482
Ion Ratio Lower Upper
98 100
100 64.4 51.1 76.7

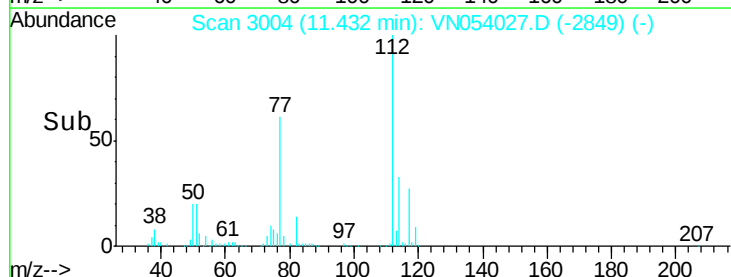
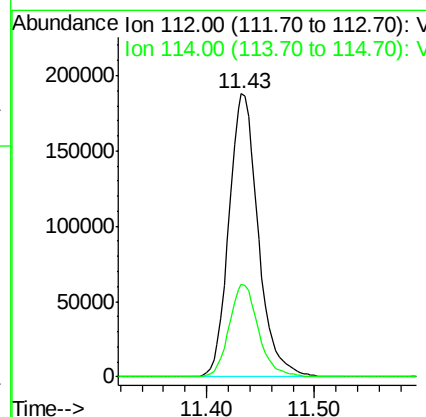
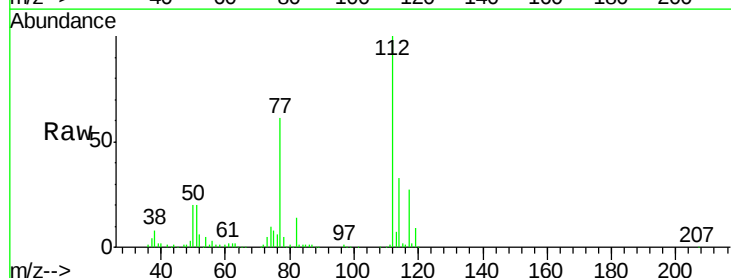
Manual Integrations
APPROVED

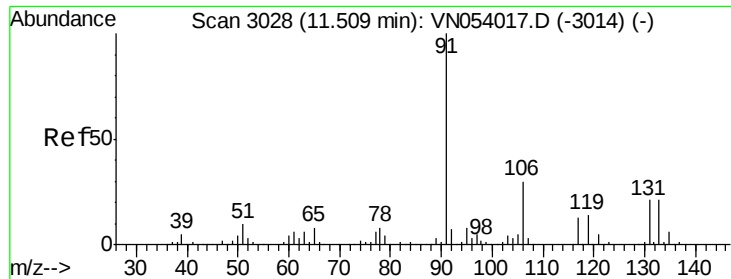
MMDadoda
3/6/2019 10:23:49 AM



#64
Chlorobenzene
Concen: 19.534 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

Tgt Ion: 112 Resp: 355582
Ion Ratio Lower Upper
112 100
114 32.7 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 19.490 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Instrument :

MSVOA_N

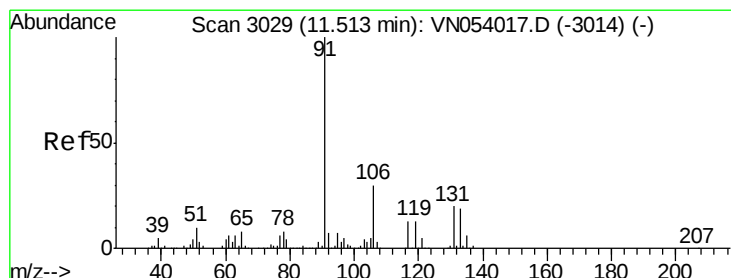
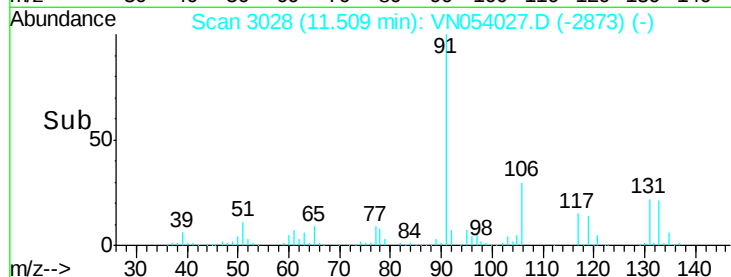
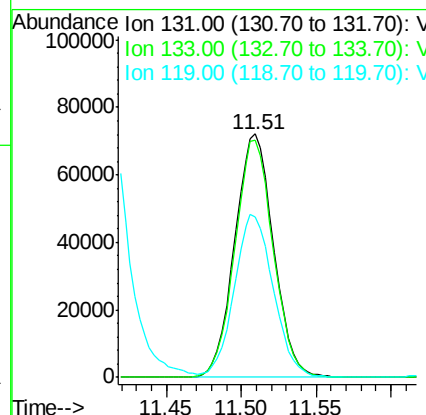
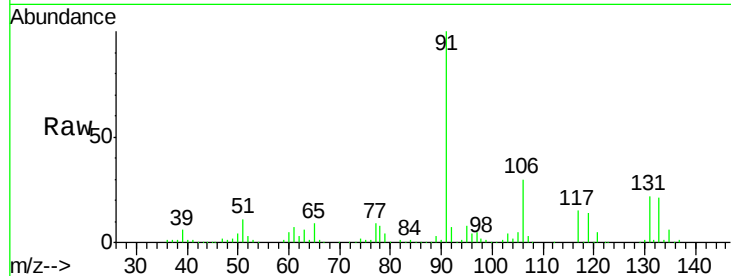
ClientSampleId :

VN0301WBS01

Tot Ion:	131	Resp:	130267
Ion Ratio	Lower	Upper	
131	100		
133	96.4	0.0	193.4
119	67.3	0.0	133.0

Manual Integrations
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3/6/2019 10:23:49 AM



#66

Ethyl Benzene

Concen: 19.491 ug/l

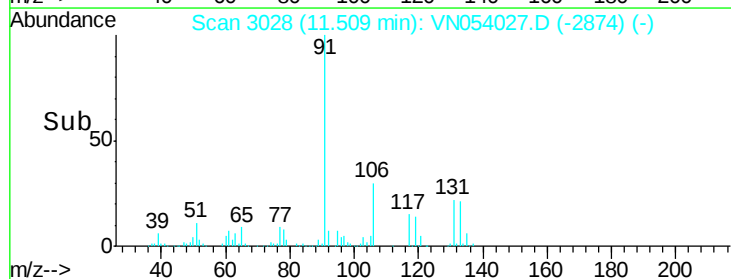
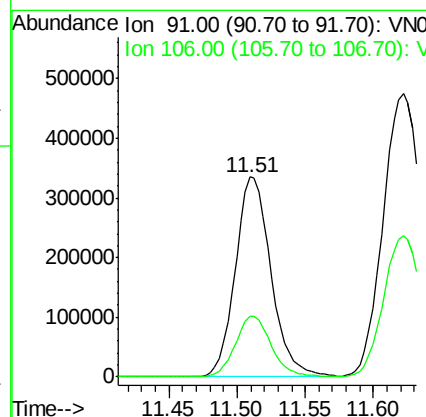
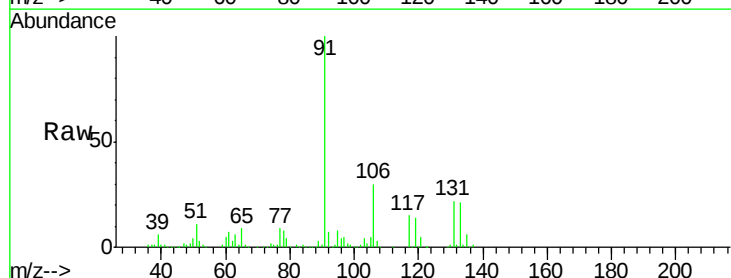
RT: 11.51 min Scan# 3028

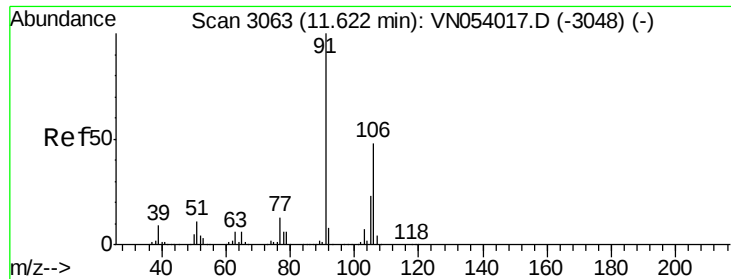
Delta R.T. -0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Tgt Ion:	91	Resp:	609053
Ion Ratio	Lower	Upper	
91	100		
106	30.4	24.3	36.5





#67

m/p-Xylenes

Concen: 40.149 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Instrument :

MSVOA_N

ClientSampled :

VN0301WBS01

Tot Ion:106 Resp: 472340

Ion Ratio Lower Upper

106 100

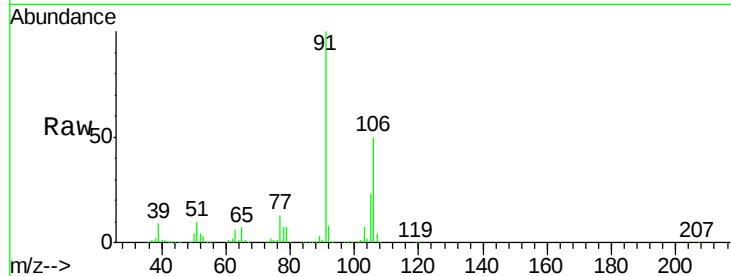
91 203.2 163.9 245.9

Manual Integrations

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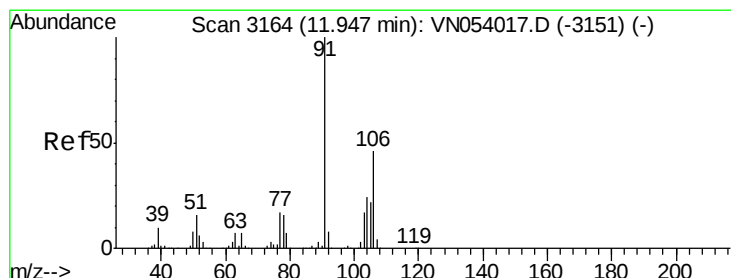
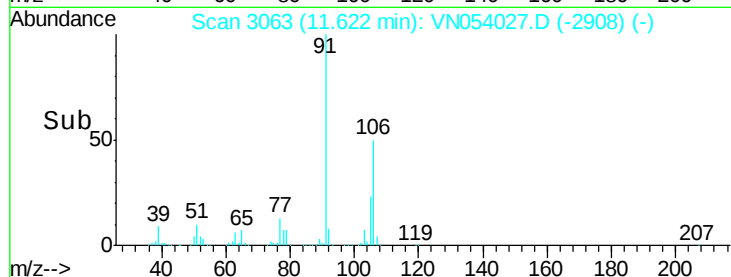
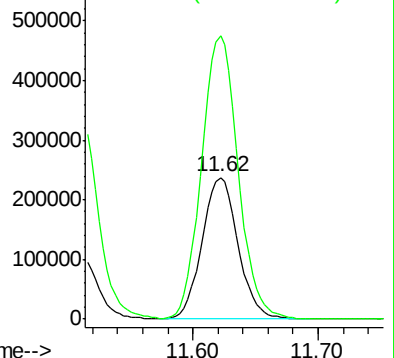
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 19.706 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN054027.D

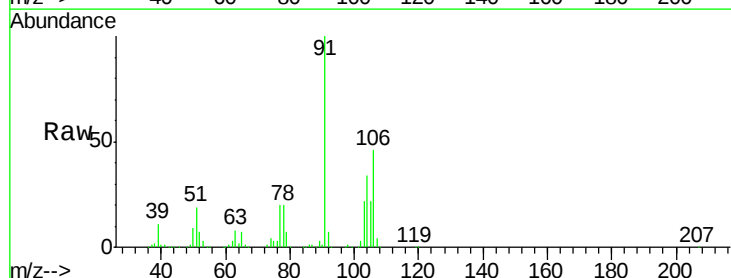
Acq: 1 Mar 2019 14:10

Tgt Ion:106 Resp: 224733

Ion Ratio Lower Upper

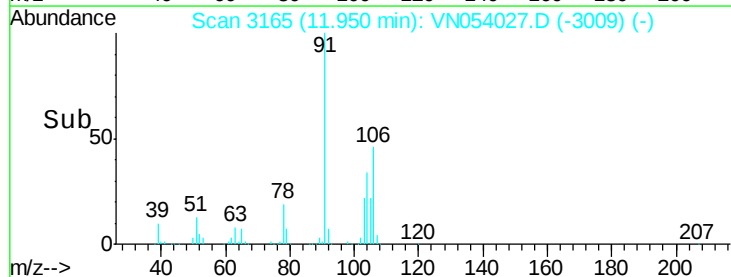
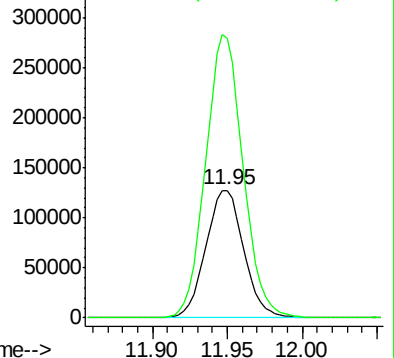
106 100

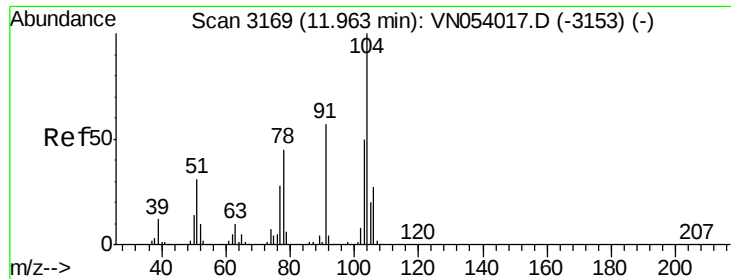
91 219.0 107.8 323.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





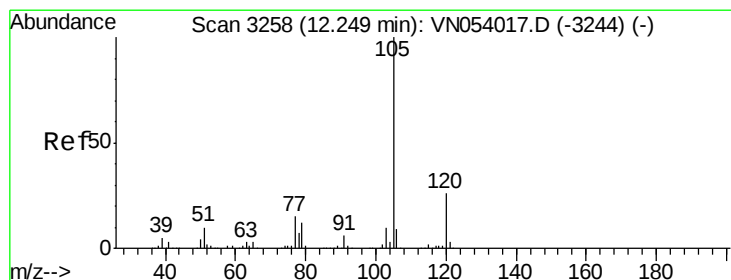
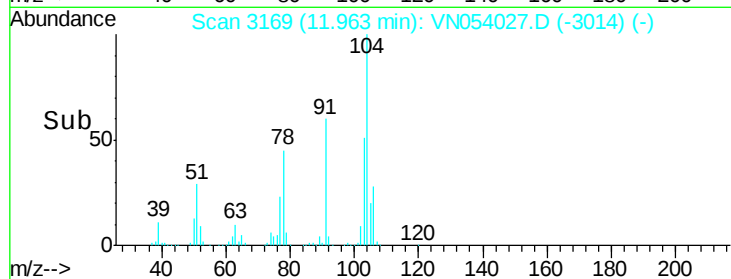
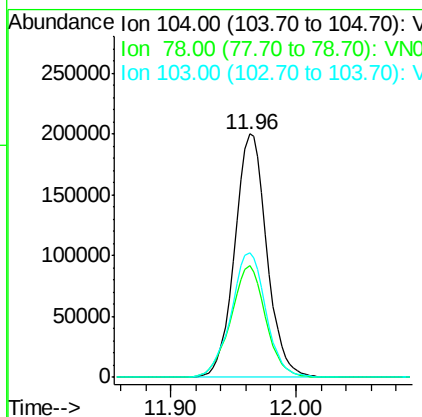
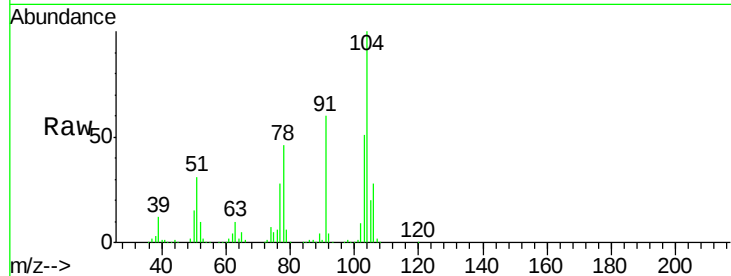
#69
Stvrene
Concen: 19.682 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

Instrument :
MSVOA_N
ClientSampled :
VN0301WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
104	100		355423		
78	50.0		39.3	58.9	
103	55.8		44.6	66.8	

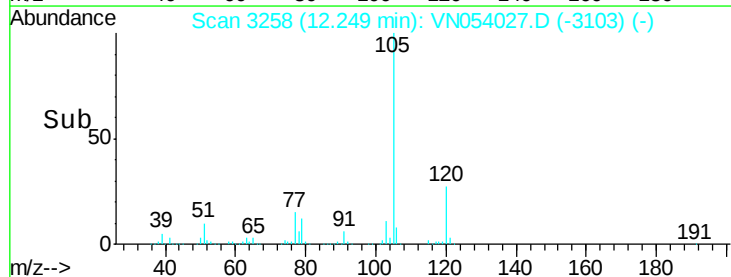
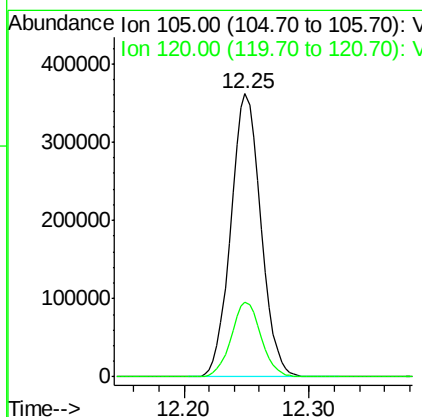
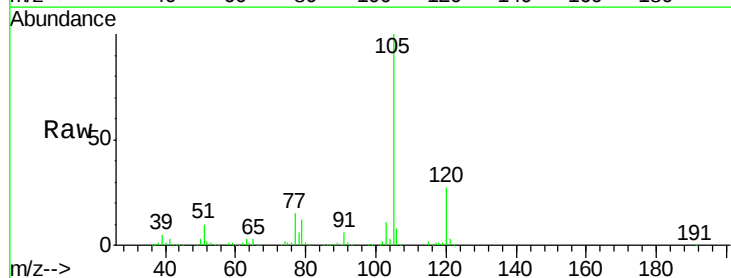
Manual Integrations
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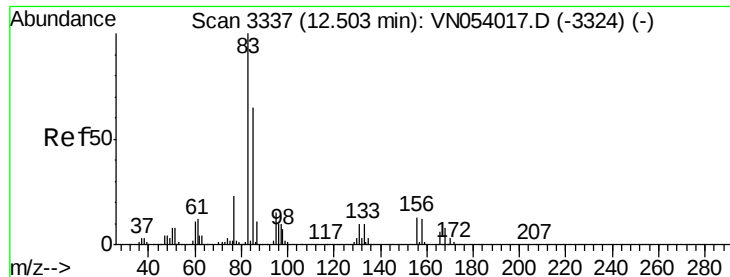
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#70
Isopropylbenzene
Concen: 20.094 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		601460		
120	26.4		18.6	34.6	





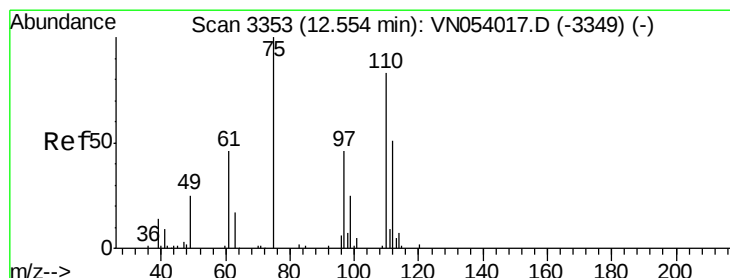
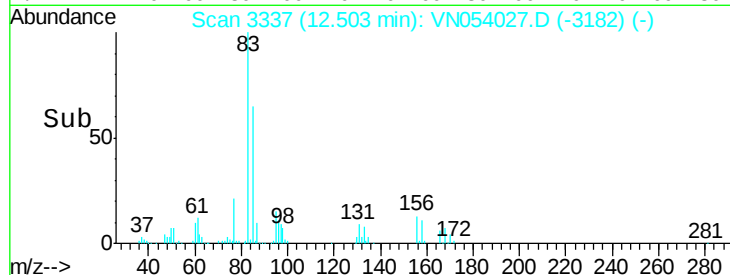
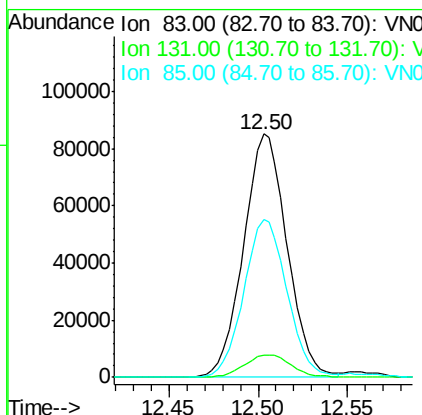
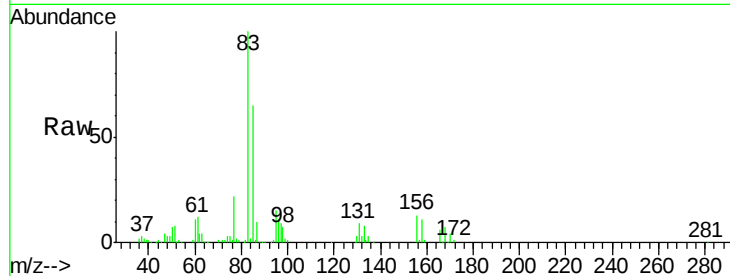
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.669 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN054027.D
 Acq: 1 Mar 2019 14:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0301WBS01

Tot Ion	83	Resp	145308
Ion Ratio	100	Lower	Upper
83	100		
131	9.9	4.9	14.6
85	64.5	32.2	96.6

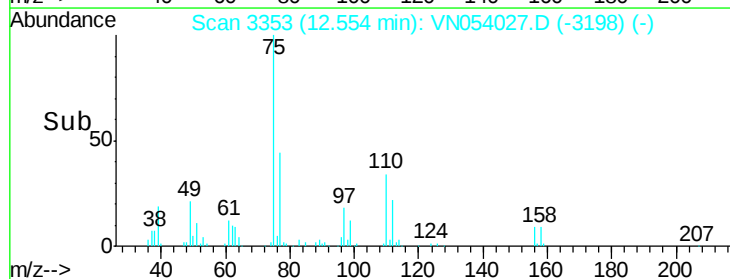
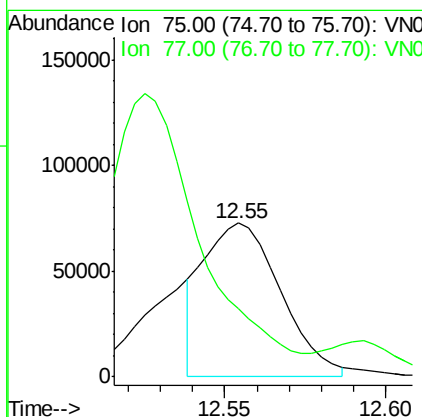
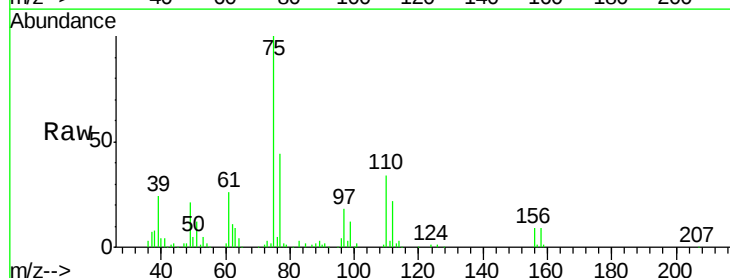
Manual Integrations
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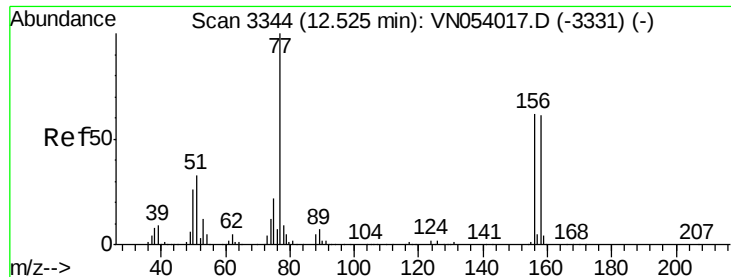
MMDadoda
 3/6/2019 10:23:49 AM



#72
 1,2,3-Trichloropropane
 Concen: 21.574 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN054027.D
 Acq: 1 Mar 2019 14:10

Tgt Ion	75	Resp	121021
Ion Ratio	100	Lower	Upper
75	100		
77	228.6	0.0	514.8





#73

Bromobenzene

Concen: 19.285 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Instrument :

MSVOA_N

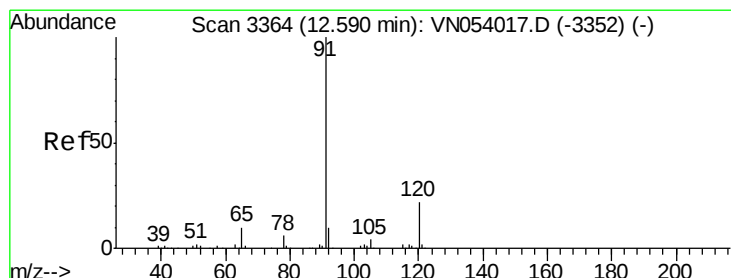
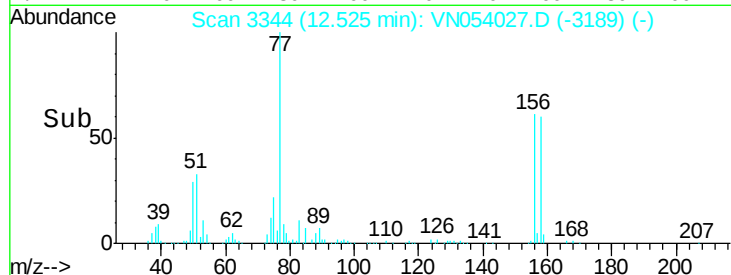
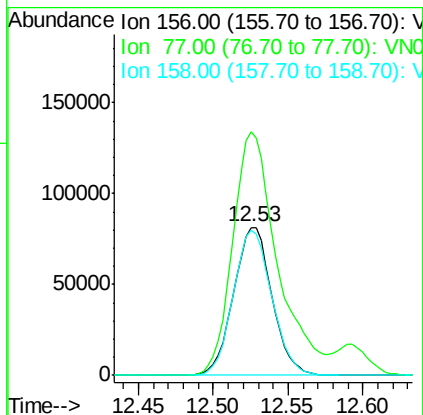
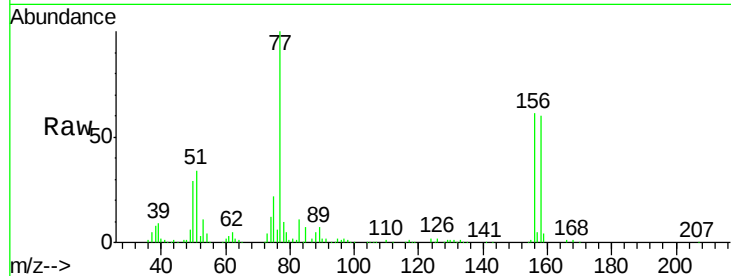
ClientSampled :

VN0301WBS01

Tot Ion:	156	Resp:	145532
Ion Ratio	Lower	Upper	
156	100		
77	190.1	0.0	382.6
158	97.9	0.0	196.8

Manual Integrations
APPROVED

MMDadoda
3/6/2019 10:23:49 AM



#74

n-propylbenzene

Concen: 19.325 ug/l

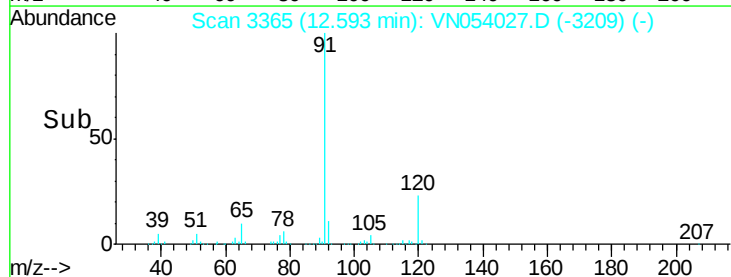
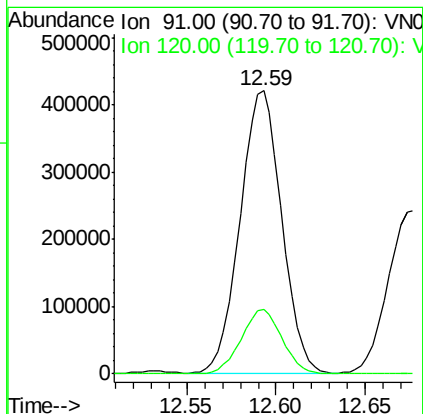
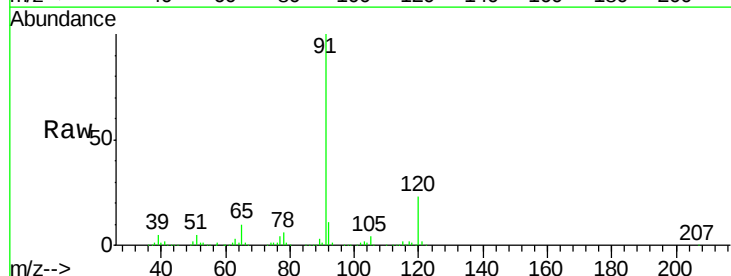
RT: 12.59 min Scan# 3365

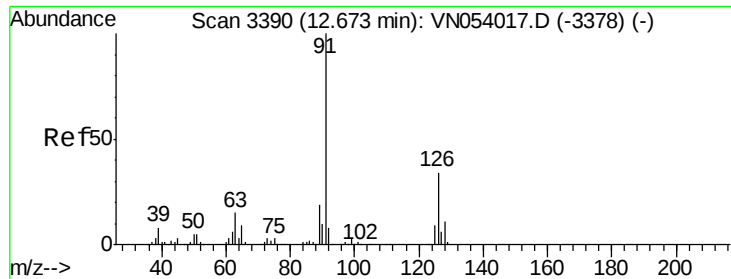
Delta R.T. 0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Tgt Ion:	91	Resp:	688777
Ion Ratio	Lower	Upper	
91	100		
120	22.4	0.0	44.6





#75

2-Chlorotoluene

Concen: 19.793 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Instrument :

MSVOA_N

ClientSampled :

VN0301WBS01

Tot Ion: 91 Resp: 413111

Ion Ratio Lower Upper

91 100

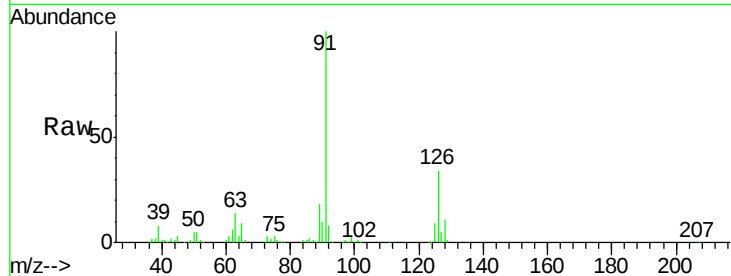
126 34.4 0.0 68.4

Manual Integrations

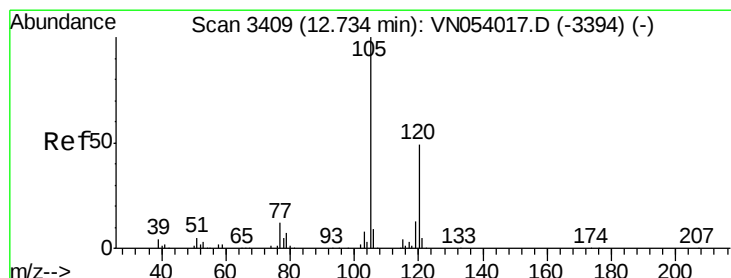
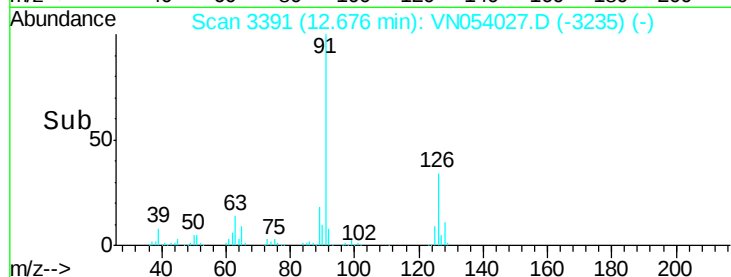
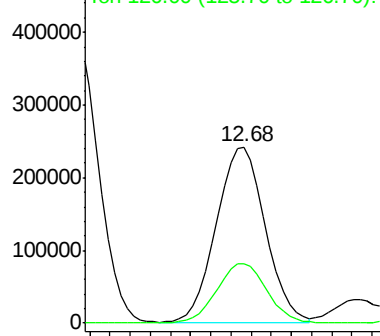
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3/6/2019 10:23:49 AM



Abundance Ion 91.00 (90.70 to 91.70): VN054017.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.691 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054027.D

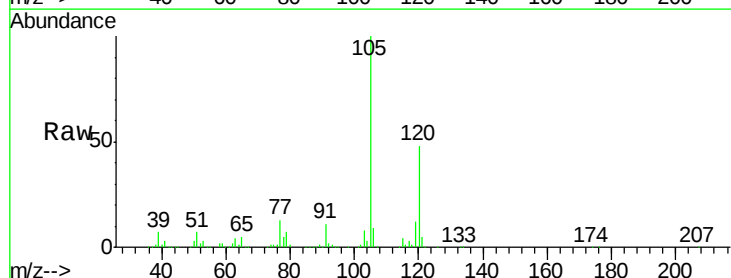
Acq: 1 Mar 2019 14:10

Tgt Ion: 105 Resp: 499253

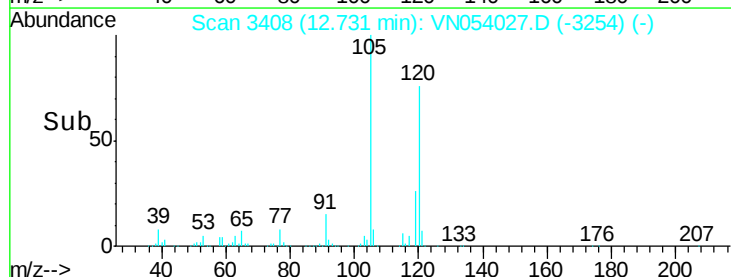
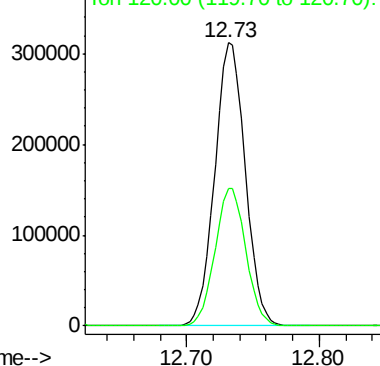
Ion Ratio Lower Upper

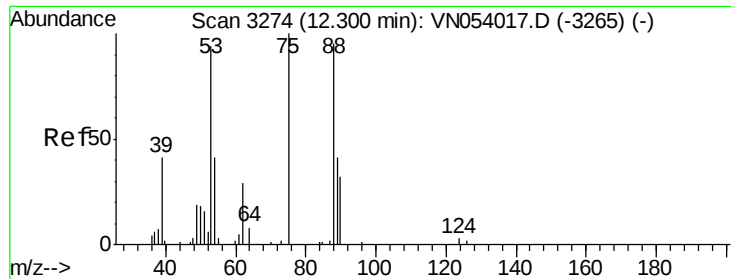
105 100

120 48.9 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VN054017.D (-3394) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 17.760 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Instrument :

MSVOA_N

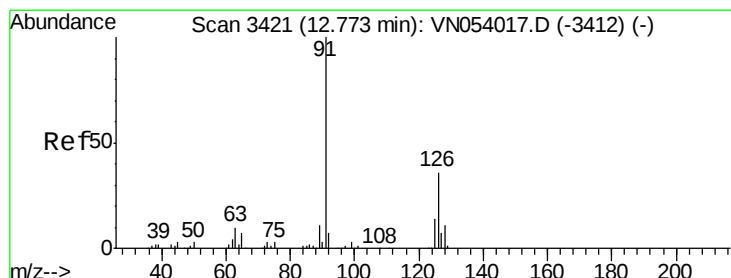
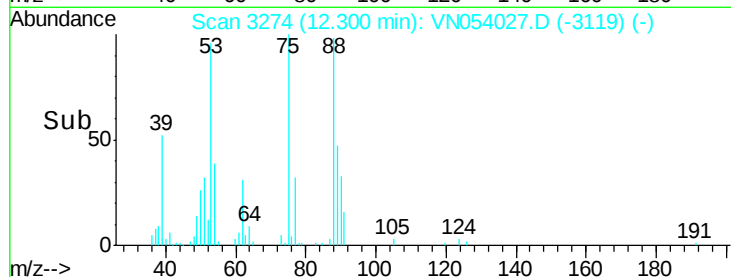
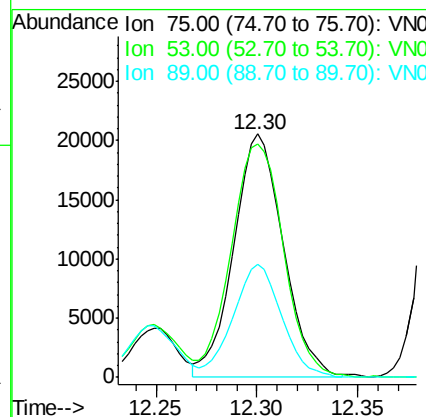
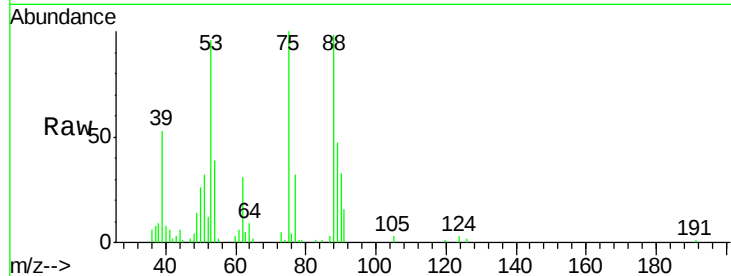
ClientSampled :

VN0301WBS01

Tot Ion:	75	Resp:	35452
Ion	Ratio	Lower	Upper
75	100		
53	95.7	48.5	145.6
89	47.3	21.7	65.1

Manual Integrations
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#78

4-Chlorotoluene

Concen: 19.240 ug/l

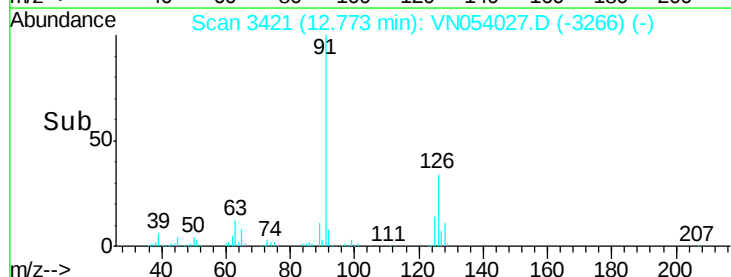
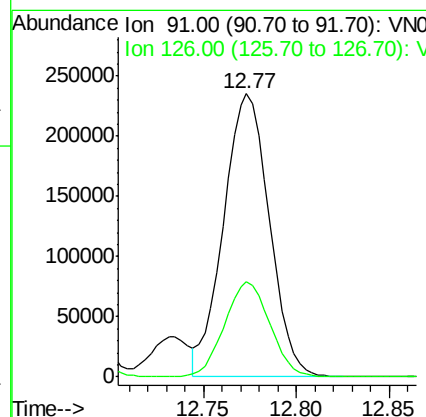
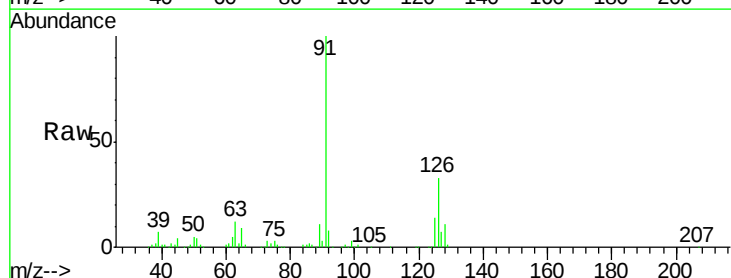
RT: 12.77 min Scan# 3421

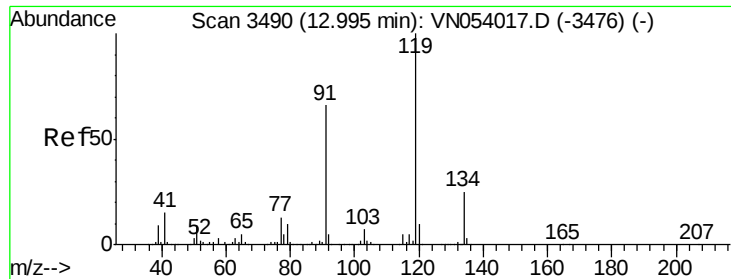
Delta R.T. -0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Tgt Ion:	91	Resp:	401842
Ion	Ratio	Lower	Upper
91	100		
126	33.3	0.0	68.2





#79

tert-butylbenzene

Concen: 19.651 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Instrument :

MSVOA_N

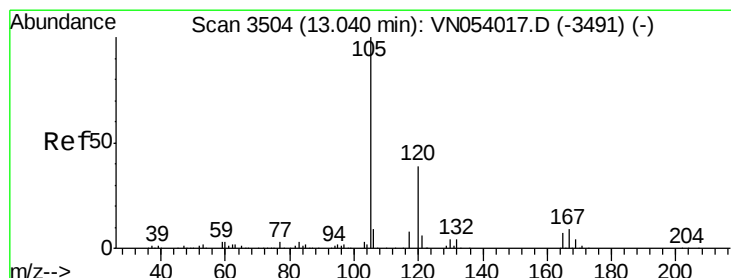
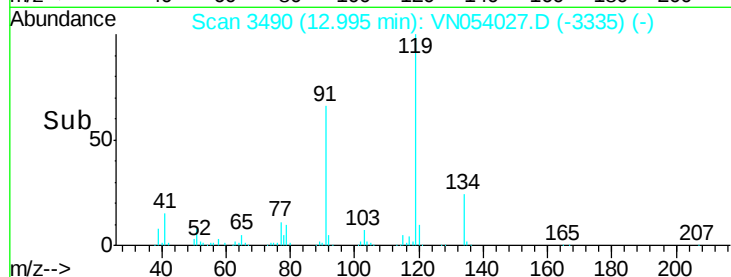
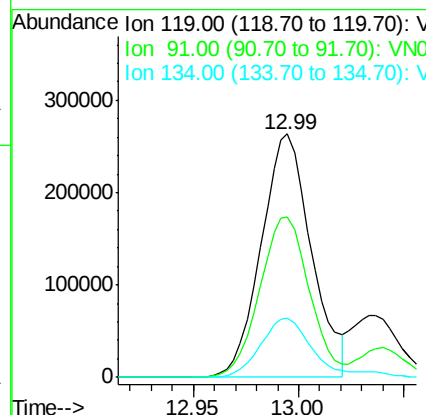
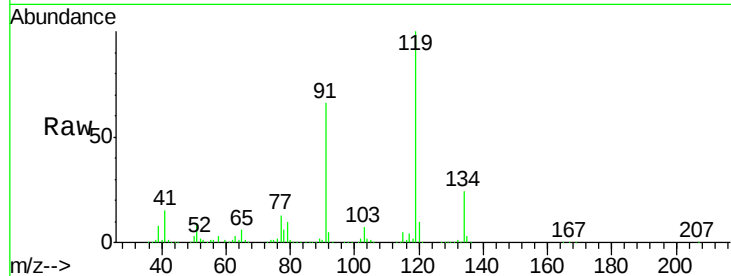
ClientSampled :

VN0301WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	436588		
91	65.0	0.0	129.8	
134	24.2	0.0	52.2	

Manual Integrations
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#80

1,2,4-Trimethylbenzene

Concen: 19.740 ug/l

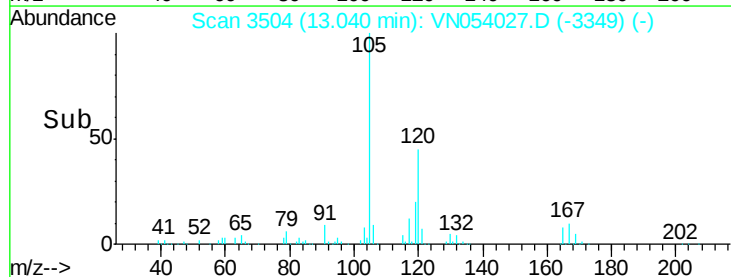
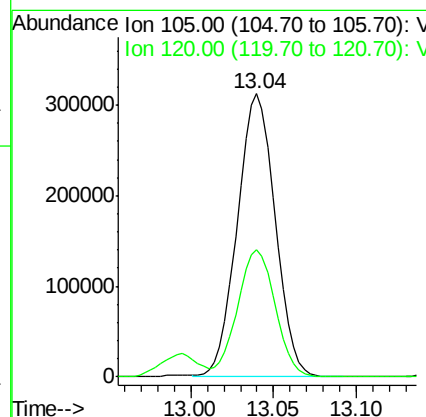
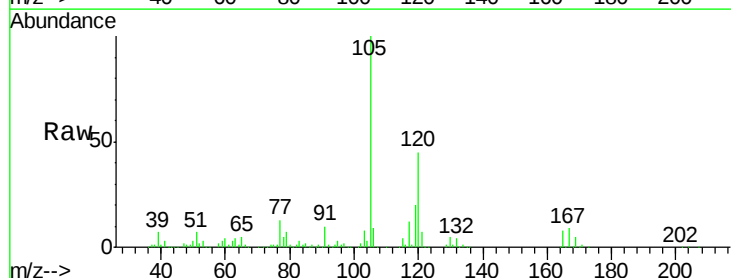
RT: 13.04 min Scan# 3504

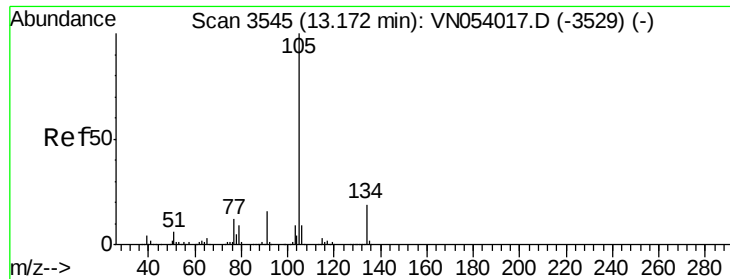
Delta R.T. -0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	498122		
120	44.7	0.0	91.0	





#81

sec-Butylbenzene

Concen: 19.739 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

Instrument :

MSVOA_N

ClientSampled :

VN0301WBS01

Tot Ion:105 Resp: 601456

Ion Ratio Lower Upper

105 100

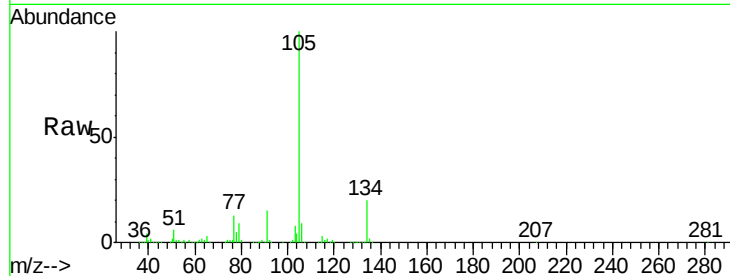
134 19.8 0.0 40.4

Manual Integrations

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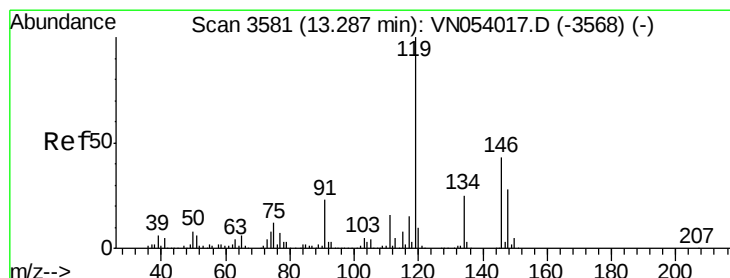
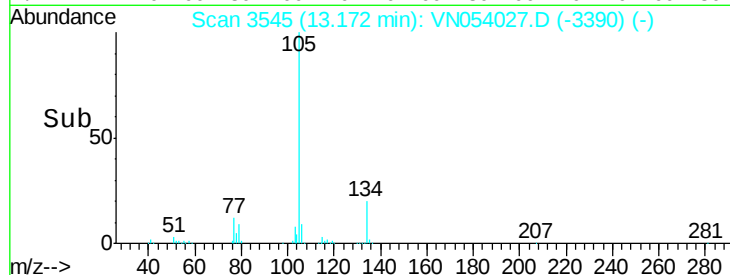
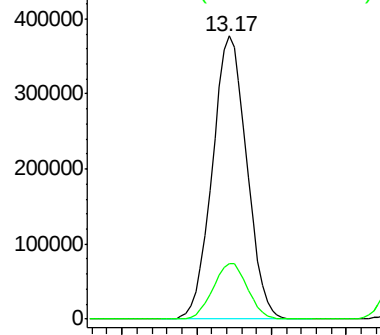
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 19.360 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054027.D

Acq: 1 Mar 2019 14:10

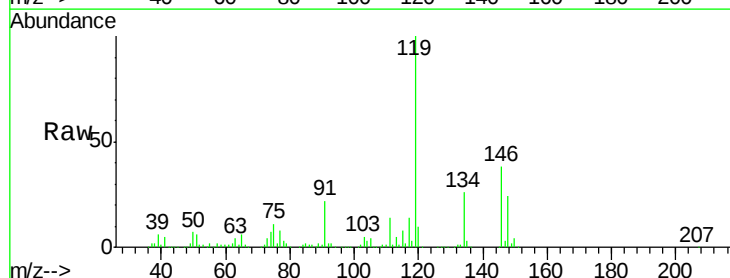
Tgt Ion:119 Resp: 503713

Ion Ratio Lower Upper

119 100

134 26.2 0.0 52.6

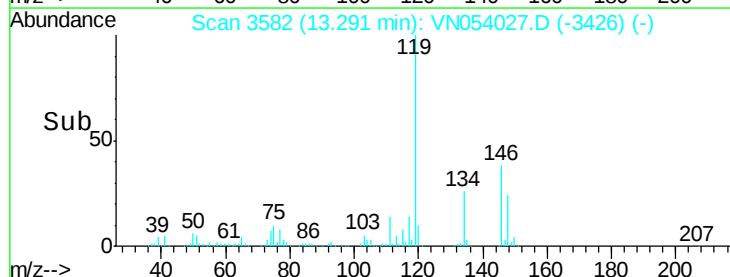
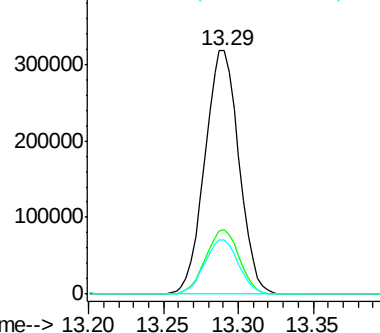
91 22.5 0.0 46.2

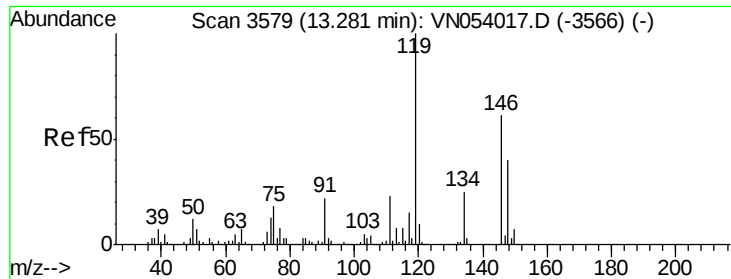


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





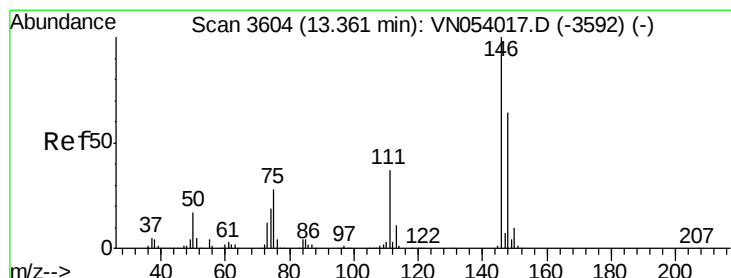
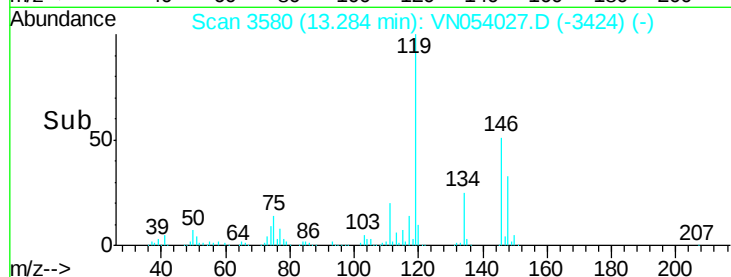
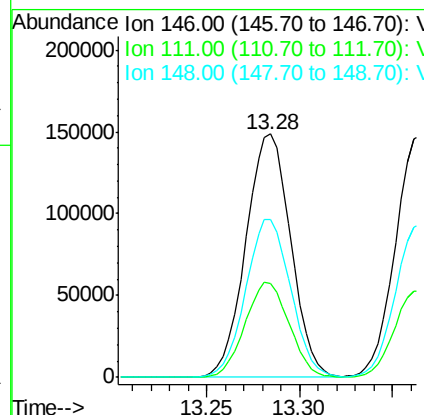
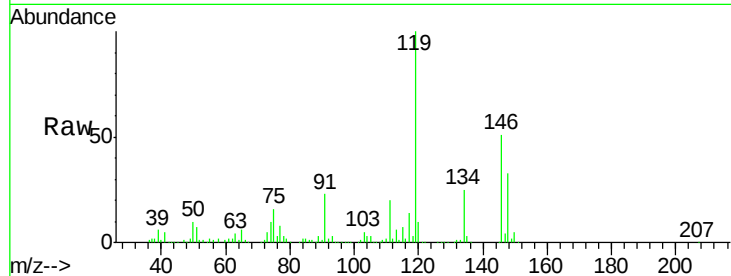
#83
 1,3-Dichlorobenzene
 Concen: 18.814 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054027.D
 Acq: 1 Mar 2019 14:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0301WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.7	59.0
148	64.9	32.3	96.8

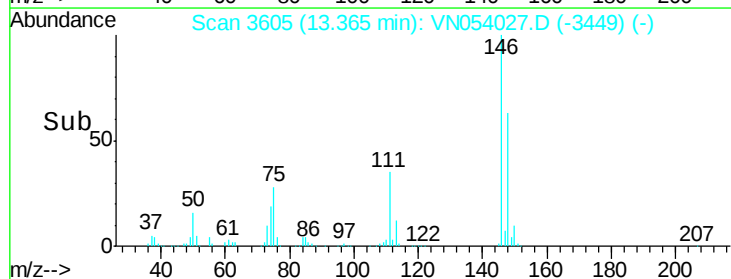
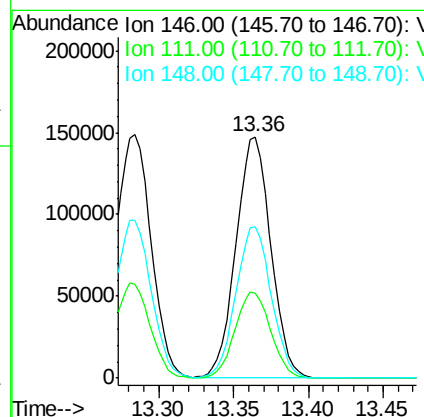
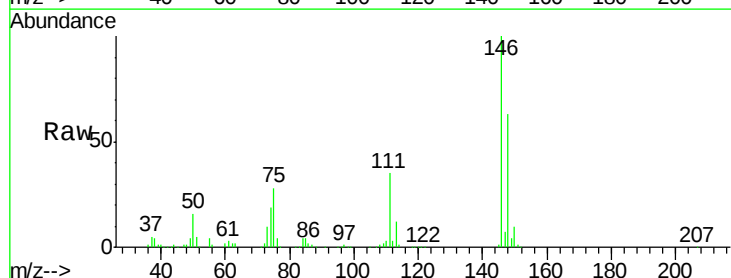
Manual Integrations
 APPROVED

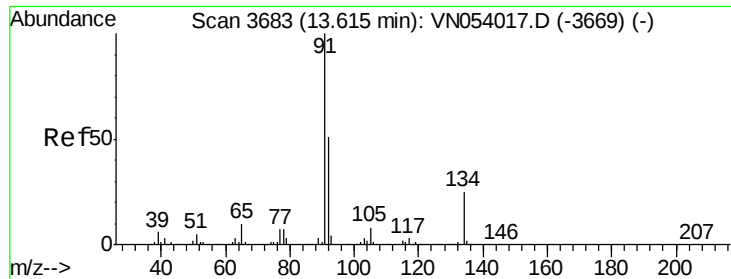
MMDadoda
 3/6/2019 10:23:49 AM



#84
 1,4-Dichlorobenzene
 Concen: 18.909 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054027.D
 Acq: 1 Mar 2019 14:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.8	56.3
148	63.5	32.5	97.4





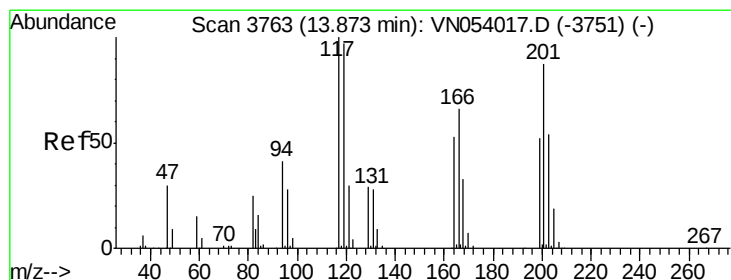
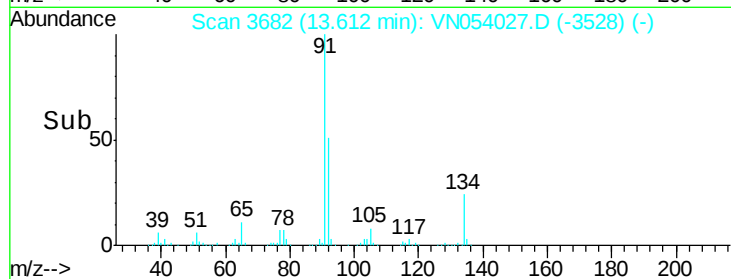
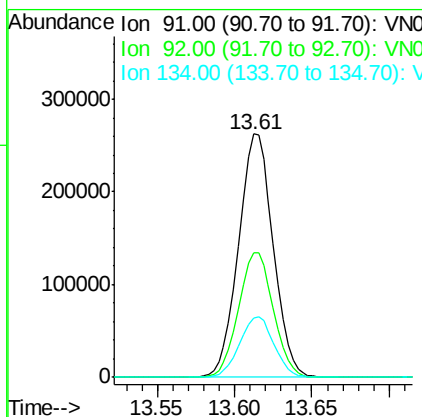
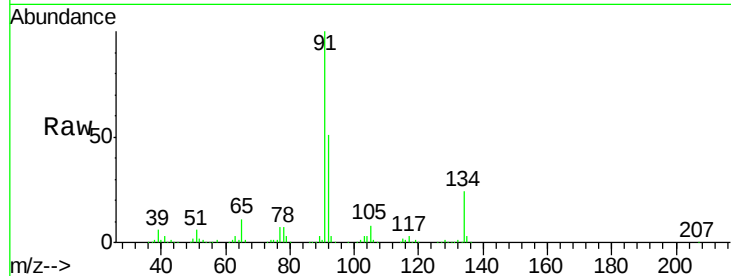
#85
n-Butylbenzene
Concen: 18.011 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

Instrument :
MSVOA_N
ClientSampled :
VN0301WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	51.4	0.0	104.2	
134	24.8	0.0	50.6	

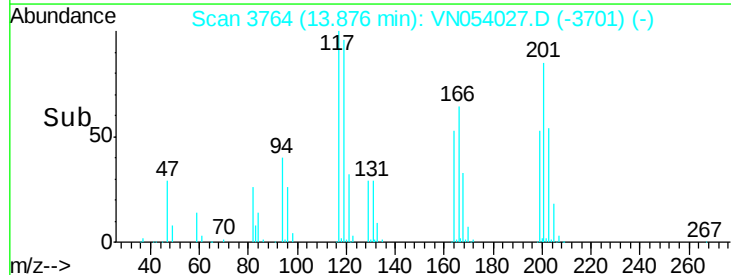
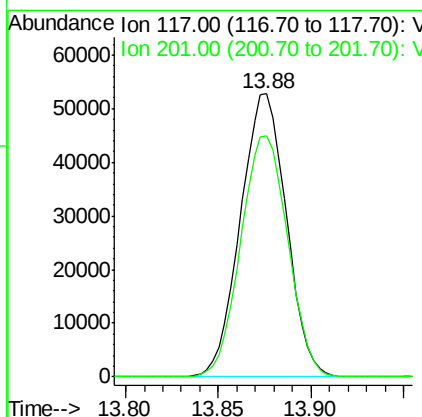
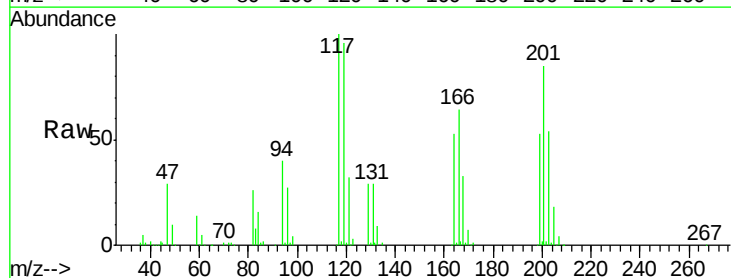
Manual Integrations
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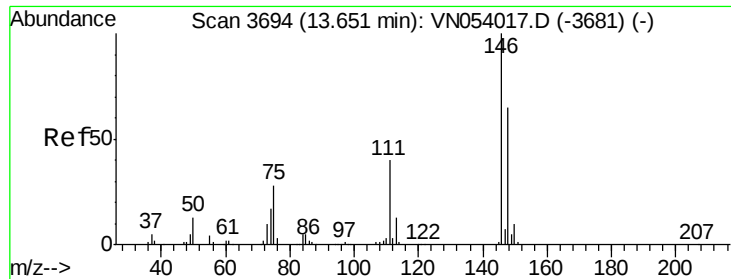
MMDadoda
3/6/2019 10:23:49 AM



#86
Hexachloroethane
Concen: 18.706 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	87.1	43.8	131.3	





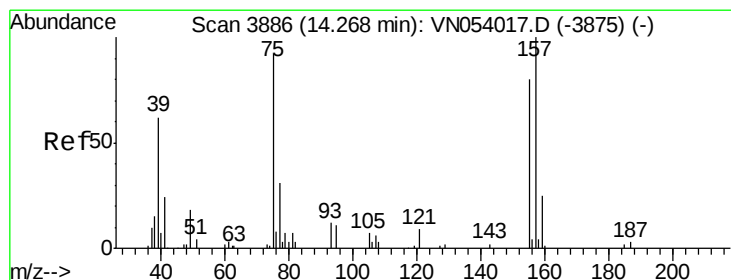
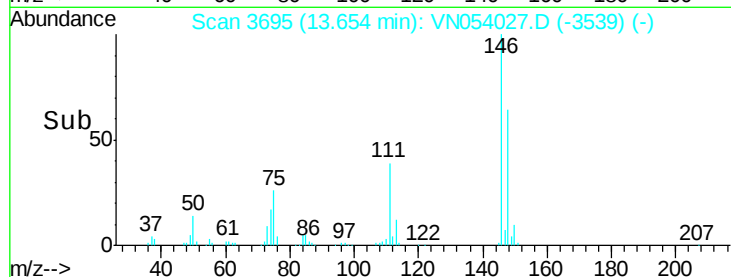
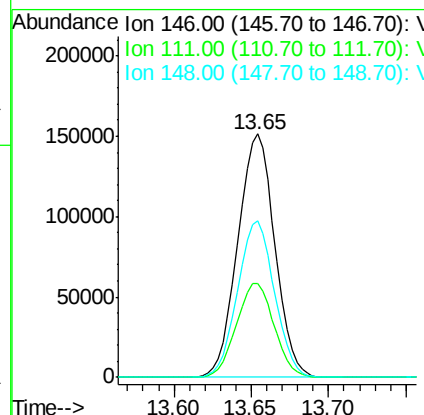
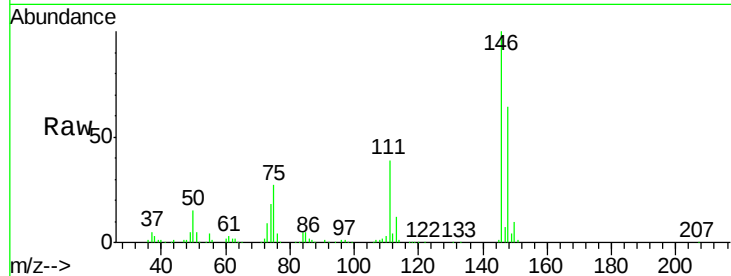
#87
 1,2-Dichlorobenzene
 Concen: 19.486 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054027.D
 Acq: 1 Mar 2019 14:10

Instrument :
 MSVOA_N
 ClientSampled :
 VN0301WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.3	60.8
148	64.0	32.1	96.5

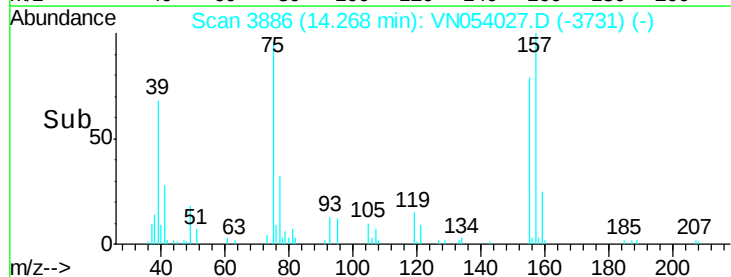
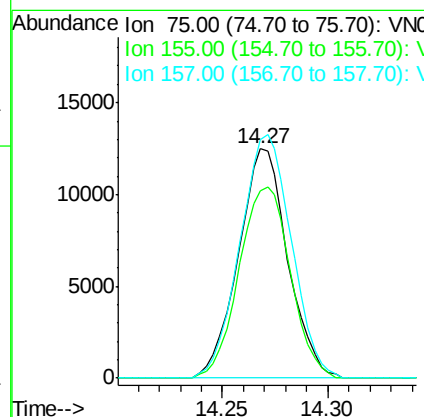
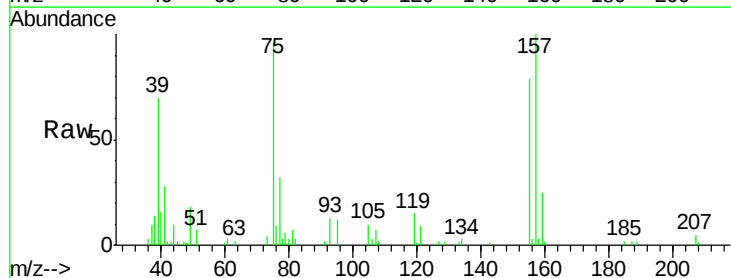
Manual Integrations
 APPROVED

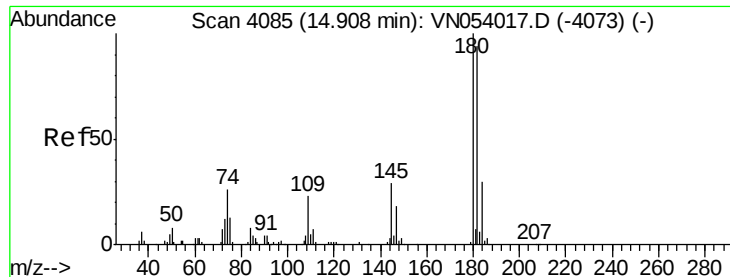
MMDadoda
 3/6/2019 10:23:49 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.987 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054027.D
 Acq: 1 Mar 2019 14:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.5	72.2	108.2
157	110.6	94.2	141.2





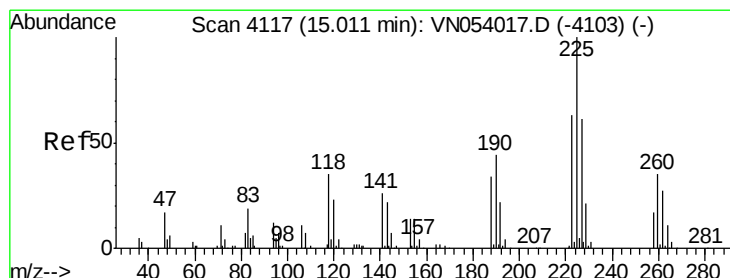
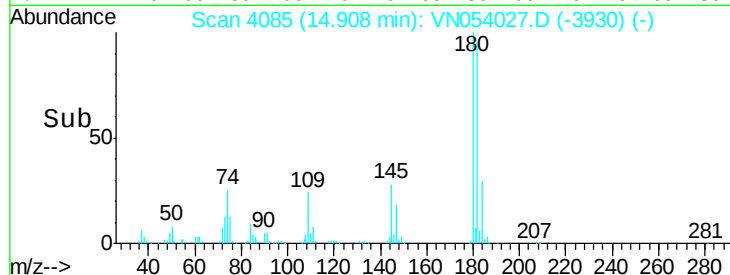
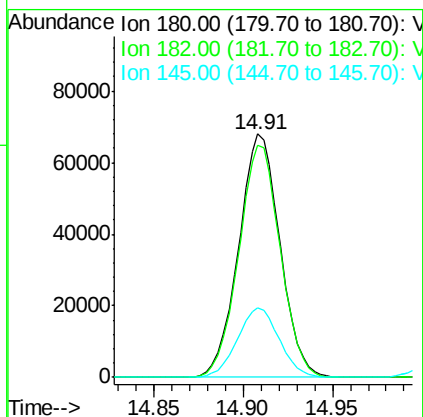
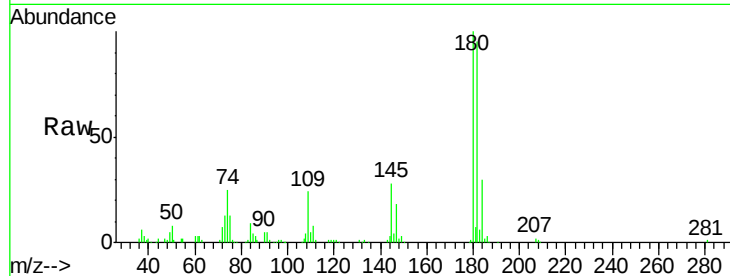
#89
 1,2,4-Trichlorobenzene
 Concen: 16.779 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054027.D
 Acq: 1 Mar 2019 14:10

Instrument :
 MSVOA_N
 ClientSampled :
 VN0301WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	110039		
182	95.6	76.6	114.8	
145	28.8	23.6	35.4	

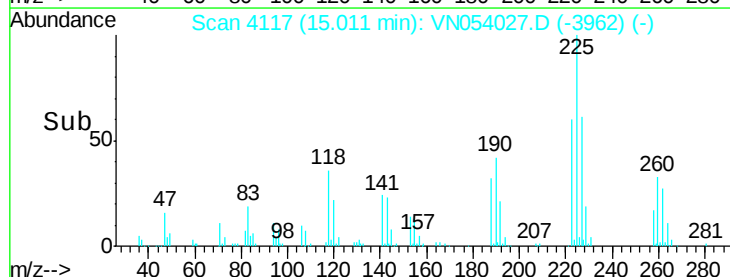
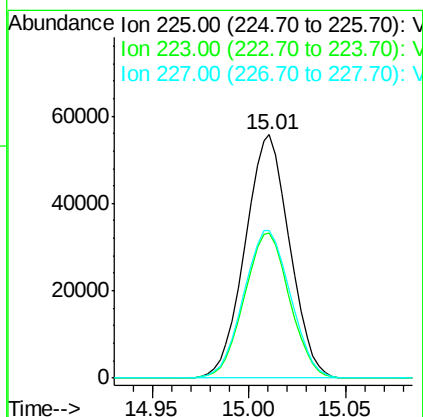
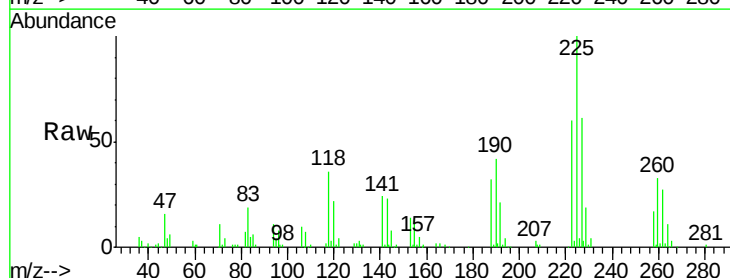
Manual Integrations
 APPROVED

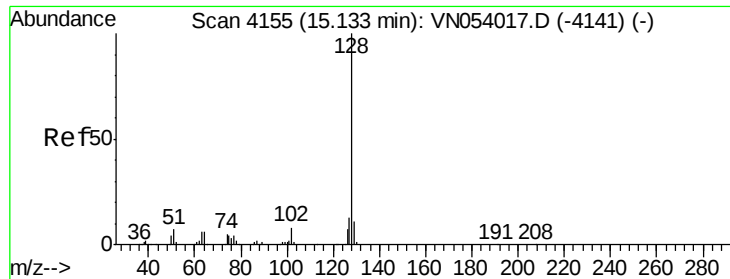
MMDadoda
 3/6/2019 10:23:49 AM



#90
 Hexachlorobutadiene
 Concen: 18.694 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN054027.D
 Acq: 1 Mar 2019 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	89075		
223	60.9	0.0	125.6	
227	63.9	0.0	127.8	





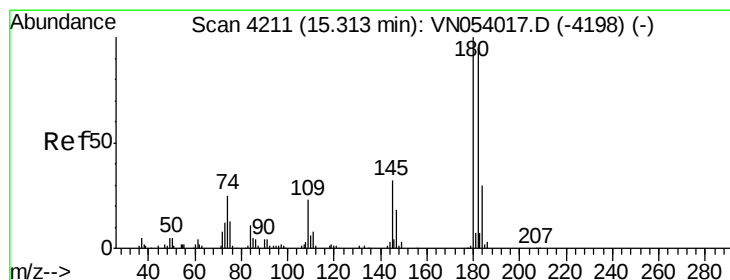
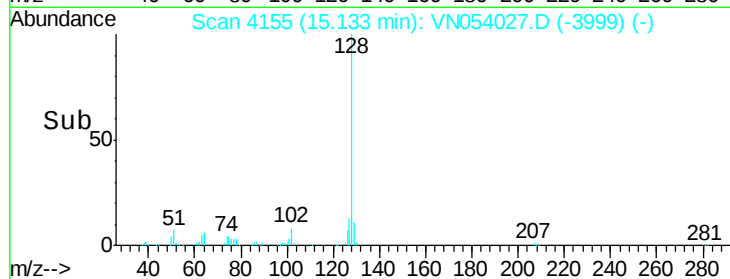
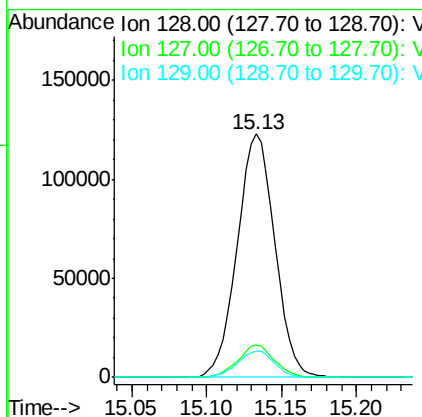
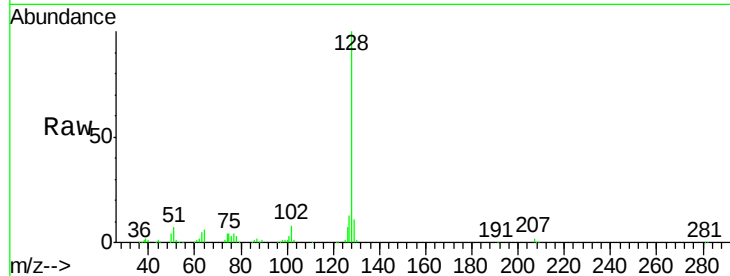
#91
Naphthalene
Concen: 18.986 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN0301WBS01

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

Manual Integrations
APPROVED

MMDadoda
3/6/2019 10:23:49 AM



#92
1,2,3-Trichlorobenzene
Concen: 17.595 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN054027.D
Acq: 1 Mar 2019 14:10

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	95.6	0.0	196.2
145	29.9	0.0	62.2

