

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041519\
 Data File : VN055047.D
 Acq On : 15 Apr 2019 16:51
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 10:06:47 AM

Quant Time: Apr 16 06:09:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	428952	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	659969	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	578581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	256689	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	260658	45.71	ug/l	0.00
Spiked Amount			Recovery	=	91.42%	
35) Dibromofluoromethane	7.59	113	211913	48.05	ug/l	0.00
Spiked Amount			Recovery	=	96.10%	
50) Toluene-d8	10.09	98	784849	49.72	ug/l	0.00
Spiked Amount			Recovery	=	99.44%	
62) 4-Bromofluorobenzene	12.40	95	267995	52.22	ug/l	0.00
Spiked Amount			Recovery	=	104.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	229527	47.084	ug/l	100
3) Chloromethane	2.06	50	285590	44.917	ug/l	97
4) Vinyl Chloride	2.19	62	241158	45.125	ug/l	99
5) Bromomethane	2.56	94	132635	43.870	ug/l	98
6) Chloroethane	2.70	64	130176	45.168	ug/l	99
7) Trichlorofluoromethane	3.02	101	308994	46.231	ug/l	96
8) Diethyl Ether	3.41	74	97122	45.523	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	164362	46.991	ug/l	99
10) Methyl Iodide	3.94	142	249644	45.993	ug/l	98
11) Tert butyl alcohol	4.82	59	72957	233.434	ug/l #	92
12) 1,1-Dichloroethene	3.73	96	153225	45.005	ug/l	96
13) Acrolein	3.61	56	77160	199.734	ug/l	99
14) Allyl chloride	4.31	41	389866	46.781	ug/l	100
15) Acrylonitrile	4.99	53	435294	232.788	ug/l	99
16) Acetone	3.82	43	375134	242.400	ug/l	100
17) Carbon Disulfide	4.04	76	491551	44.726	ug/l	100
18) Methyl Acetate	4.33	43	206575	46.281	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	572917	47.041	ug/l	98
20) Methylene Chloride	4.54	84	233500	42.921	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	209430	45.482	ug/l	92
22) Diisopropyl ether	5.96	45	815296	47.590	ug/l	99
23) Vinyl Acetate	5.90	43	2852637	251.914	ug/l	100
24) 1,1-Dichloroethane	5.85	63	426637	46.765	ug/l	98
25) 2-Butanone	6.85	43	575243	249.050	ug/l	99
26) 2,2-Dichloropropane	6.82	77	288793	50.154	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	240926	46.247	ug/l	99
28) Bromochloromethane	7.19	49	200831	45.667	ug/l	99
29) Tetrahydrofuran	7.22	42	354248	233.880	ug/l	100
30) Chloroform	7.37	83	404064	45.597	ug/l	99
31) Cyclohexane	7.65	56	399689	49.543	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	327421	46.635	ug/l	99
36) 1,1-Dichloropropene	7.79	75	308019	49.509	ug/l	100
37) Ethyl Acetate	6.94	43	239063	47.199	ug/l	98
38) Carbon Tetrachloride	7.77	117	273346	46.180	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	342001	50.729	ug/l	99
40) Benzene	8.04	78	921506	49.145	ug/l	98
41) Methacrylonitrile	7.17	41	139012	49.443	ug/l	96
42) 1,2-Dichloroethane	8.12	62	315466	48.458	ug/l	99
43) Isopropyl Acetate	8.17	43	393944	50.477	ug/l	99
44) Trichloroethene	8.83	130	234138	49.853	ug/l	99
45) 1,2-Dichloropropane	9.12	63	255410	48.842	ug/l	98
46) Dibromomethane	9.21	93	143876	48.338	ug/l	97
47) Bromodichloromethane	9.40	83	303535	49.463	ug/l	99
48) Methyl methacrylate	9.20	41	196838	50.885	ug/l	99
49) 1,4-Dioxane	9.20	88	41603	1147.936	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1146070	254.184	ug/l	100
52) Toluene	10.16	92	549593	51.176	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	283064	52.782	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	352647	52.981	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	203155	49.100	ug/l	99
56) Ethyl methacrylate	10.43	69	260709	52.503	ug/l	99
57) 1,3-Dichloropropane	10.71	76	357512	50.750	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	496563	228.634	ug/l	99
59) 2-Hexanone	10.75	43	740920	261.628	ug/l	99
60) Dibromochloromethane	10.90	129	207556	51.371	ug/l	98
61) 1,2-Dibromoethane	11.00	107	193541	50.821	ug/l	99
64) Tetrachloroethene	10.63	164	224768	47.774	ug/l	97
65) Chlorobenzene	11.43	112	567213	48.703	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	208037	48.567	ug/l	100
67) Ethyl Benzene	11.51	91	1044877	50.239	ug/l	98
68) m/p-Xylenes	11.62	106	777822	103.278	ug/l	100
69) o-Xylene	11.95	106	375890	51.530	ug/l	99
70) Styrene	11.96	104	632669	53.581	ug/l	100
71) Bromoform	12.13	173	130051	52.970	ug/l #	100
73) Isopropylbenzene	12.25	105	1003560	44.059	ug/l	99
74) N-amyl acetate	12.07	43	312228	48.695	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	253354	41.568	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	218895m	47.422	ug/l	
77) Bromobenzene	12.53	156	244193	43.002	ug/l	99
78) n-propylbenzene	12.59	91	1137734	46.231	ug/l	100
79) 2-Chlorotoluene	12.67	91	683358	44.519	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	829465	45.125	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	55339	47.941	ug/l	97
82) 4-Chlorotoluene	12.77	91	675436	47.163	ug/l	99
83) tert-Butylbenzene	12.99	119	690776	44.498	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	826286	47.433	ug/l	100
85) sec-Butylbenzene	13.17	105	907532	45.879	ug/l	99
86) p-Isopropyltoluene	13.29	119	805649	47.473	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	416248	48.225	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	401174	48.740	ug/l	99
89) n-Butylbenzene	13.61	91	666814	52.929	ug/l	99
90) Hexachloroethane	13.87	117	122686	44.430	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	410264	47.242	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	35189	46.885	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	185667	47.315	ug/l	98
94) Hexachlorobutadiene	15.01	225	130746	48.744	ug/l	99
95) Naphthalene	15.13	128	397597	43.593	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	185335	55.320	ug/l	99

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

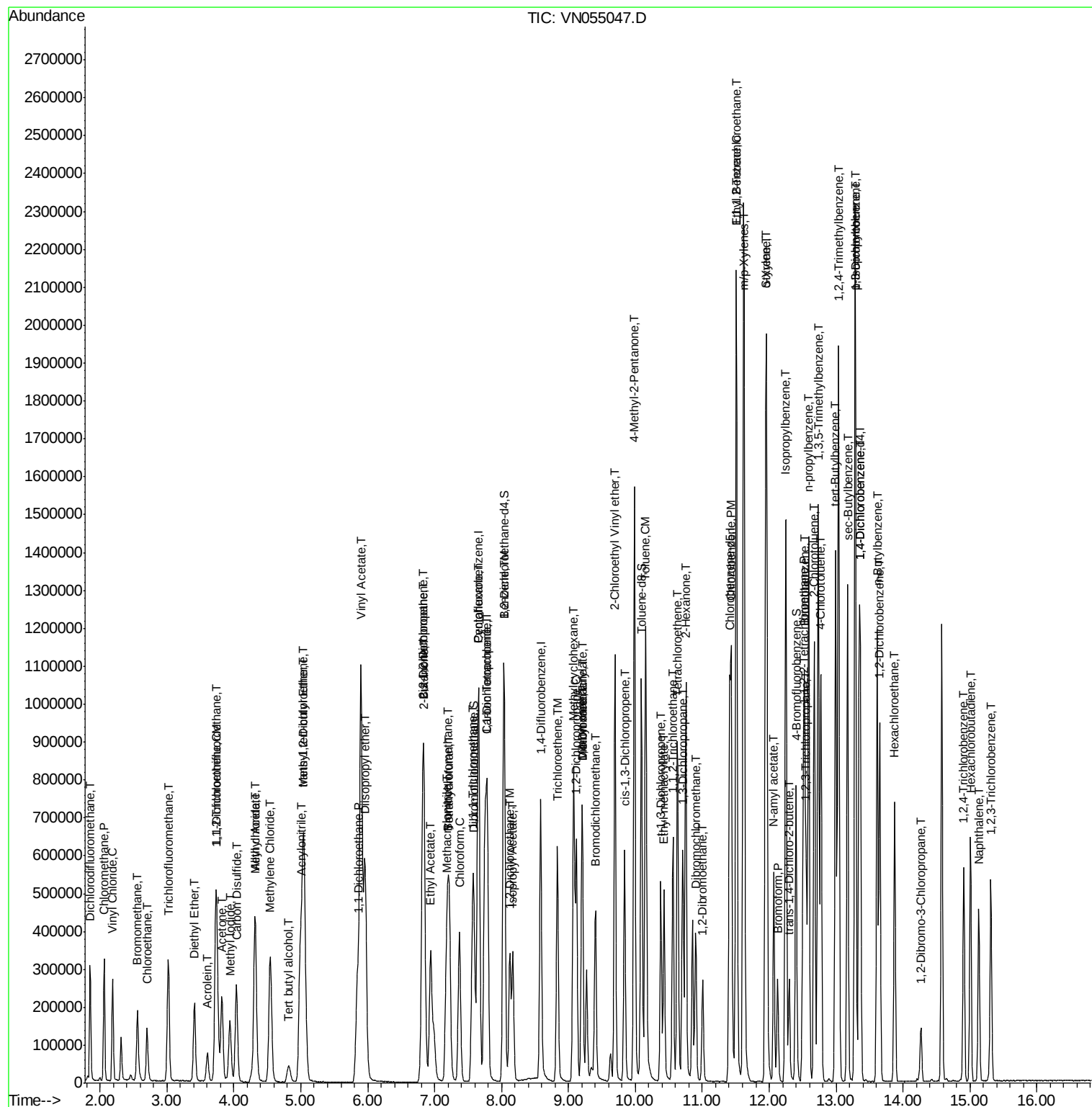
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN041519\
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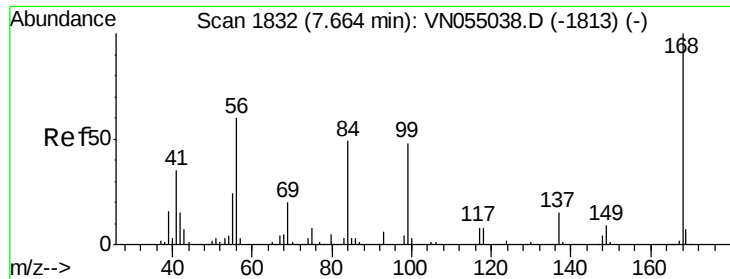
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

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Acq: 15 Apr 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 428952

Ion Ratio Lower Upper

168 100

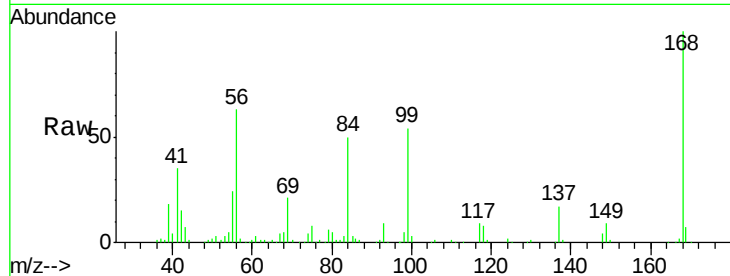
99 53.6 41.9 62.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

200000

150000

100000

50000

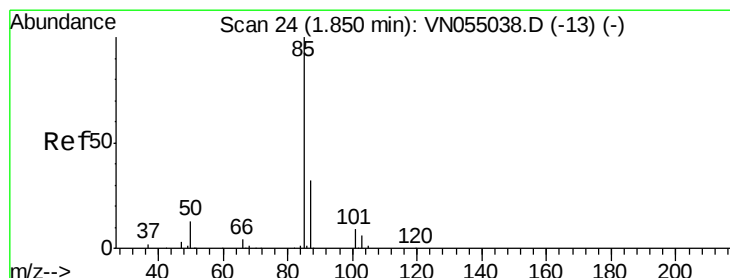
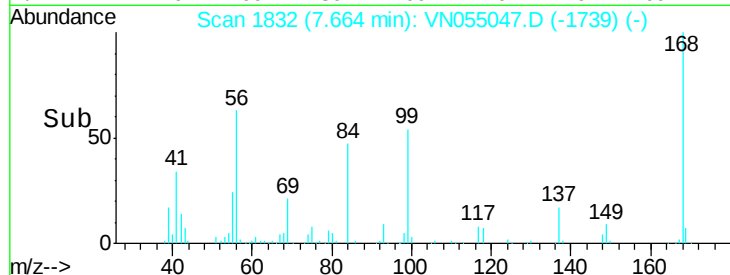
0

7.66

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 47.084 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055047.D

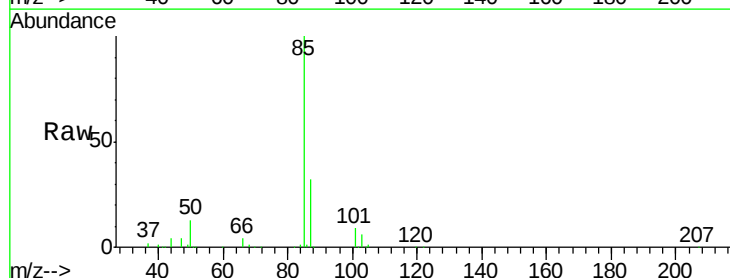
Acq: 15 Apr 2019 16:51

Tgt Ion: 85 Resp: 229527

Ion Ratio Lower Upper

85 100

87 32.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

200000

150000

100000

50000

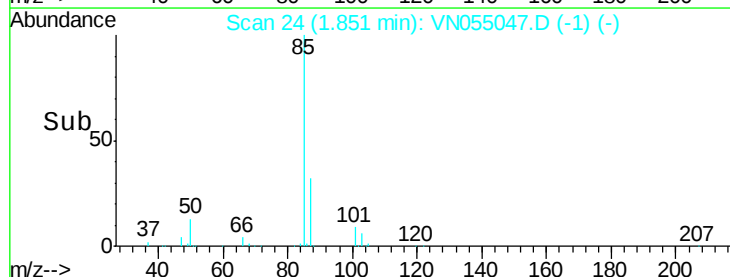
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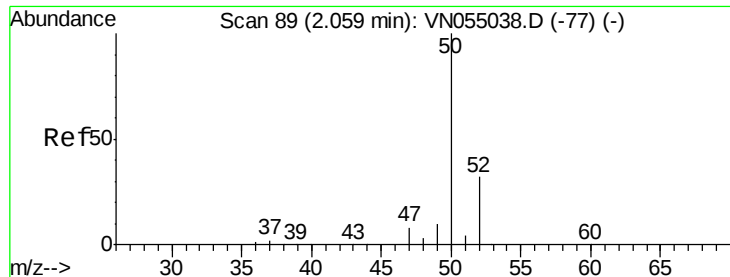
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 44.917 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 285590

Ion Ratio Lower Upper

50 100

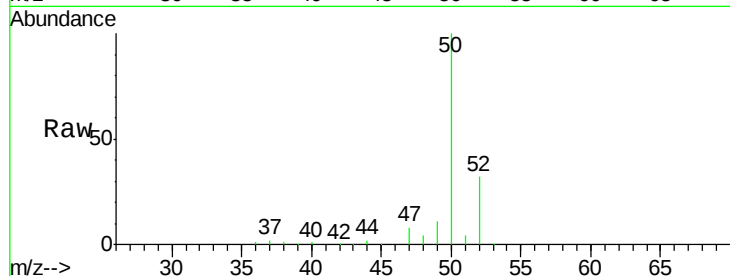
52 31.8 26.6 40.0

Manual Integrations

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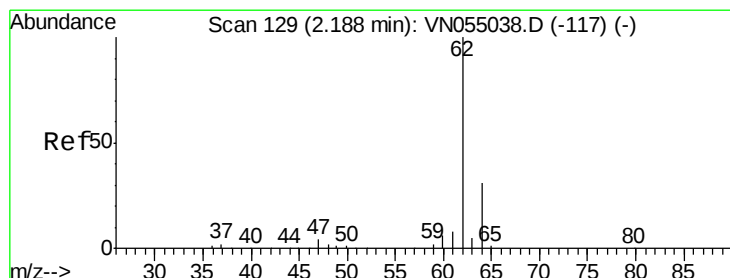
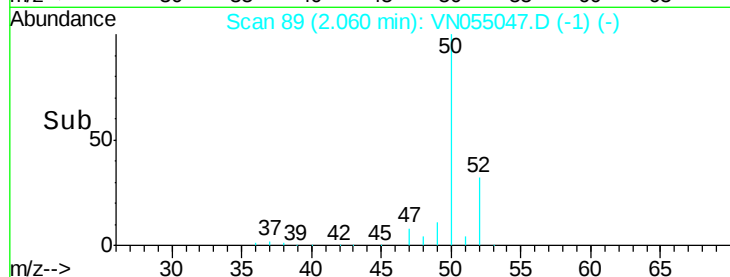
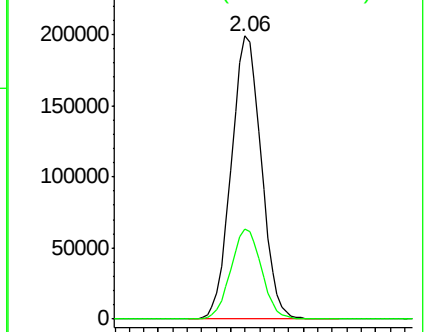
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 45.125 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055047.D

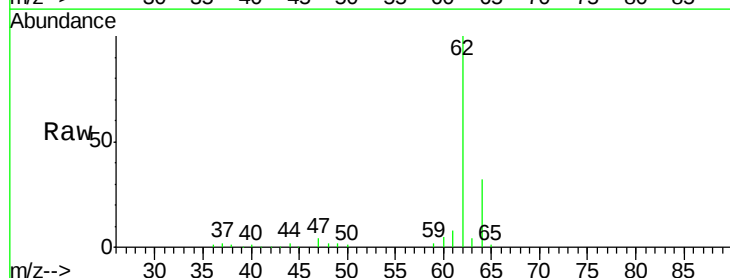
Acq: 15 Apr 2019 16:51

Tgt Ion: 62 Resp: 241158

Ion Ratio Lower Upper

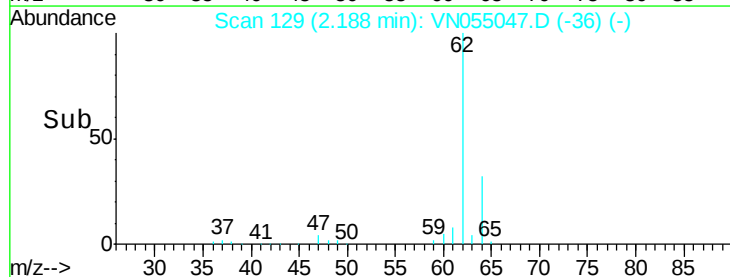
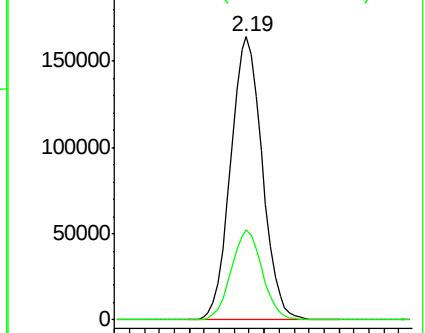
62 100

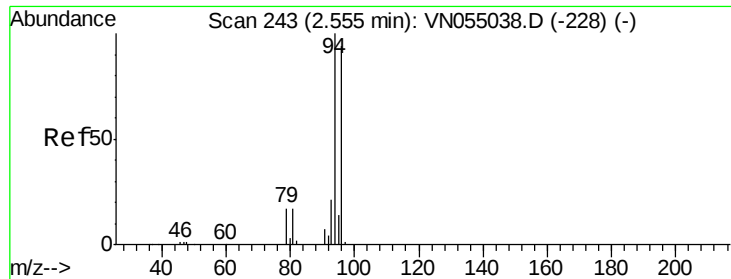
64 31.7 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 43.870 ug/l

RT: 2.56 min Scan# 244

Delta R.T. 0.00 min

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Tot Ion: 94 Resp: 132635

Ion Ratio Lower Upper

94 100

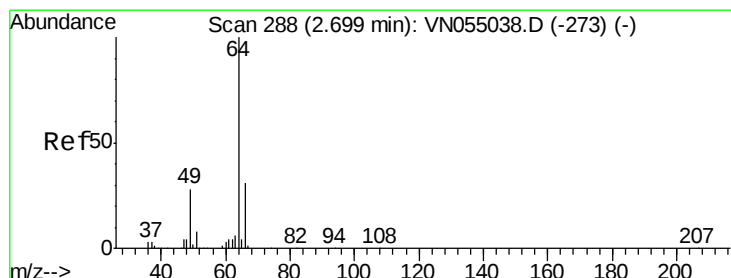
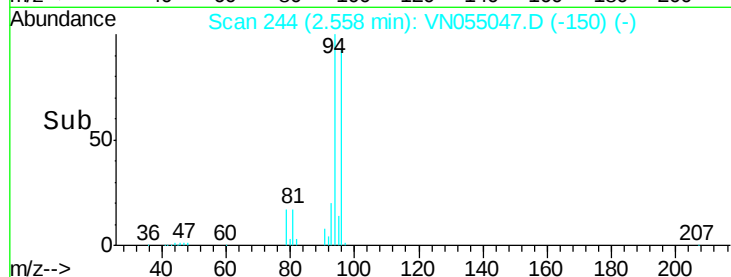
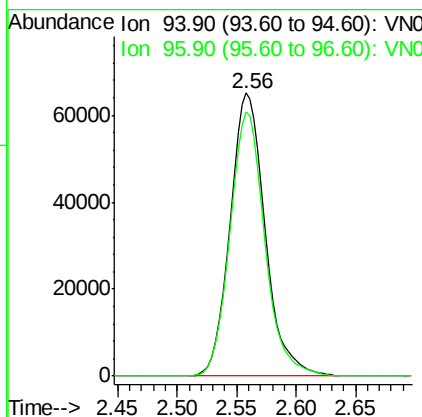
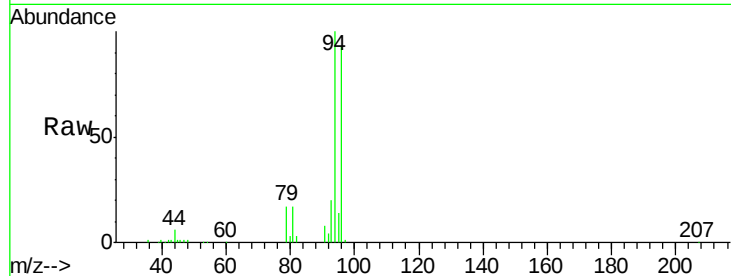
96 93.5 76.2 114.4

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#6

Chloroethane

Concen: 45.168 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

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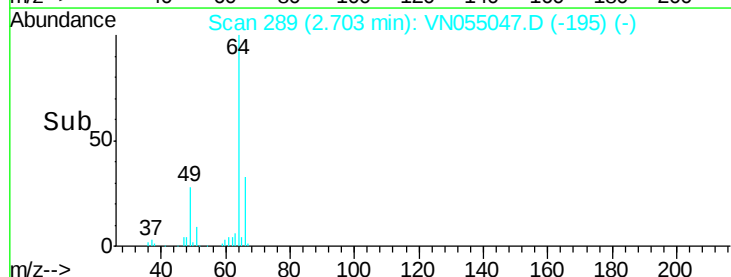
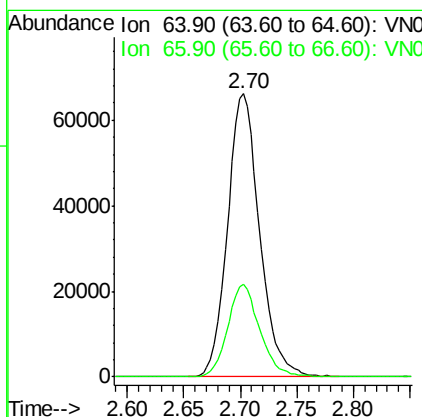
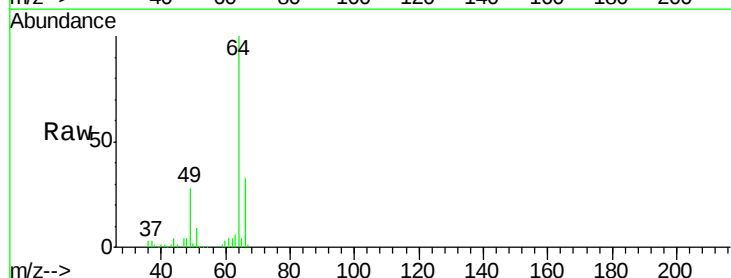
Acq: 15 Apr 2019 16:51

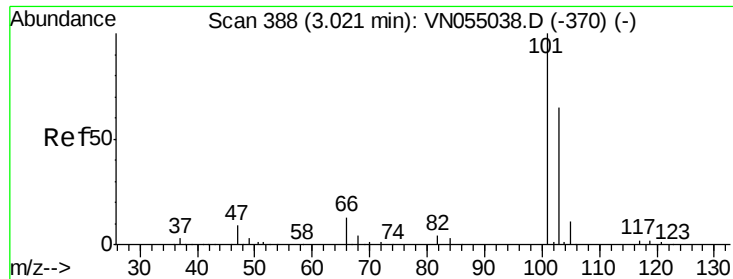
Tgt Ion: 64 Resp: 130176

Ion Ratio Lower Upper

64 100

66 32.7 26.6 40.0





#7

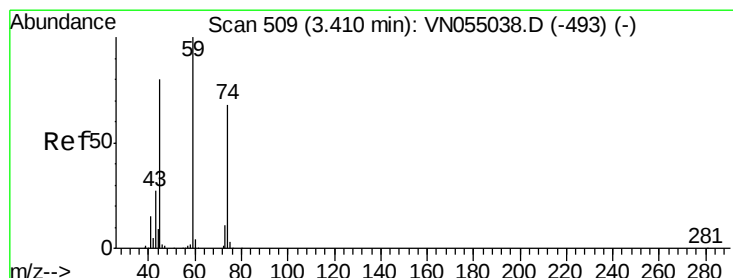
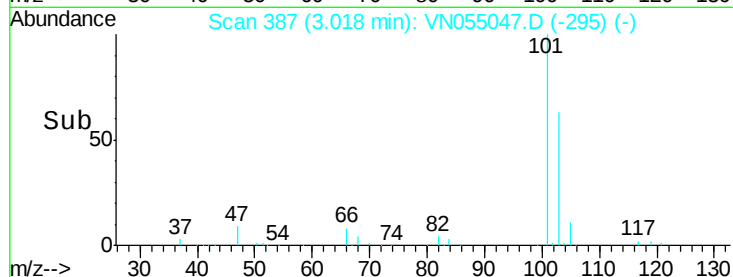
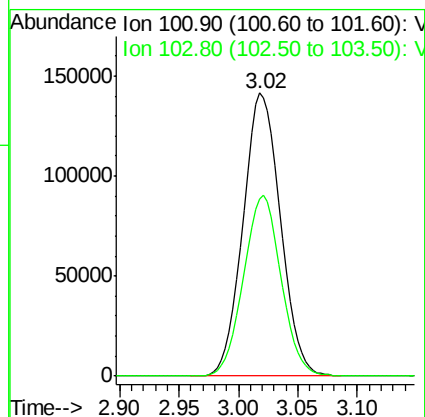
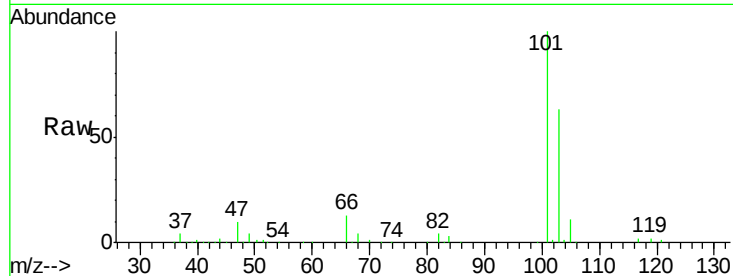
Trichlorofluoromethane
Concen: 46.231 ug/l
RT: 3.02 min Scan# 387
Delta R.T. -0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.8	52.5	78.7

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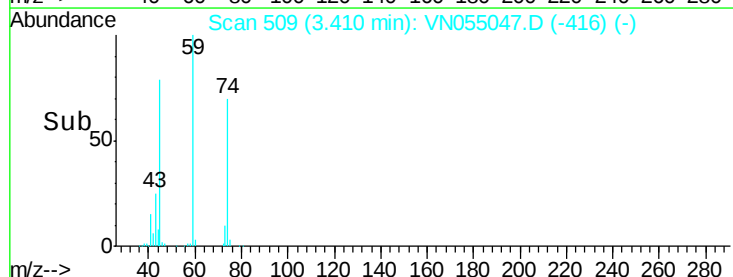
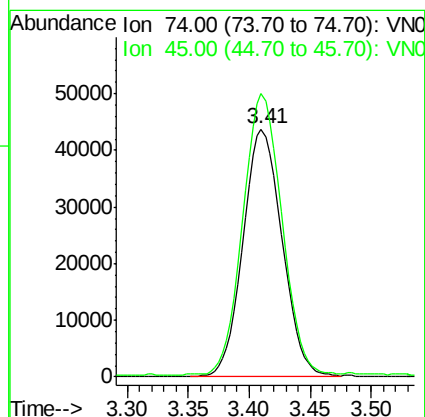
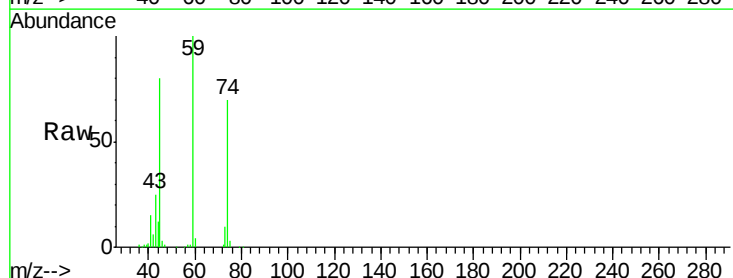
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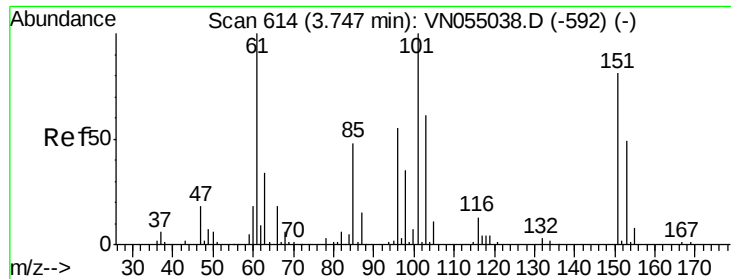


#8

Diethyl Ether
Concen: 45.523 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.2	55.7	167.1





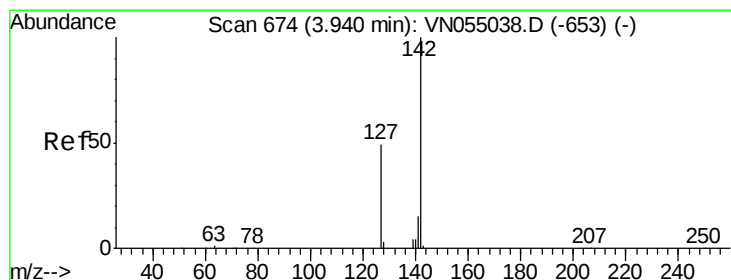
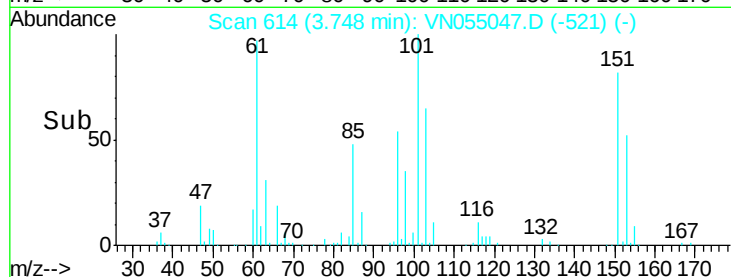
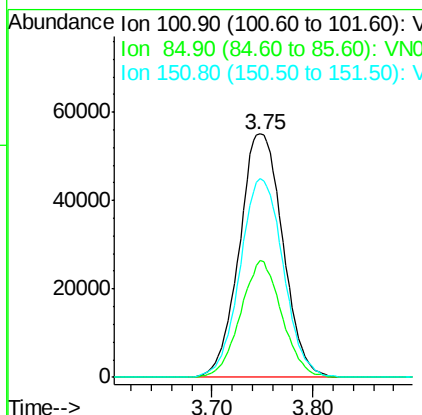
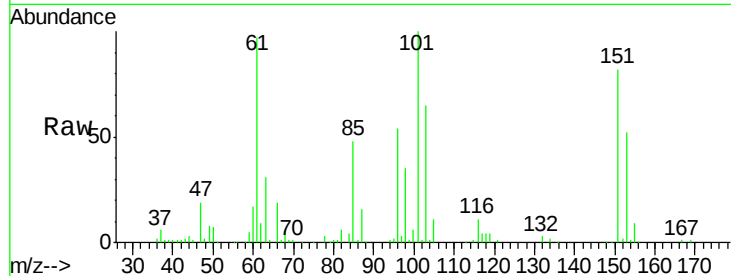
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 46.991 ug/l
 RT: 3.75 min Scan# 614
 Delta R.T. 0.00 min
 Lab File: VN055047.D
 Acq: 15 Apr 2019 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	164362		
85	45.5	36.9	55.3	
151	81.2	64.4	96.6	

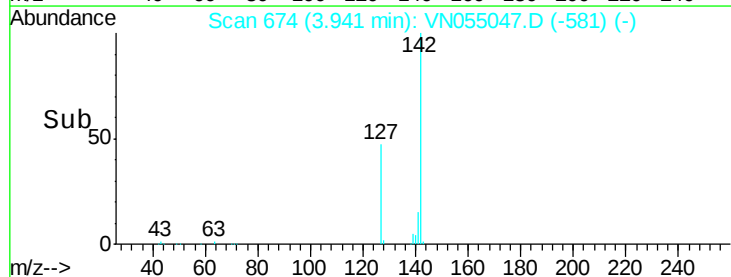
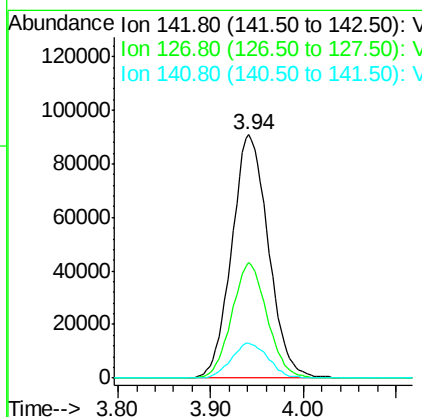
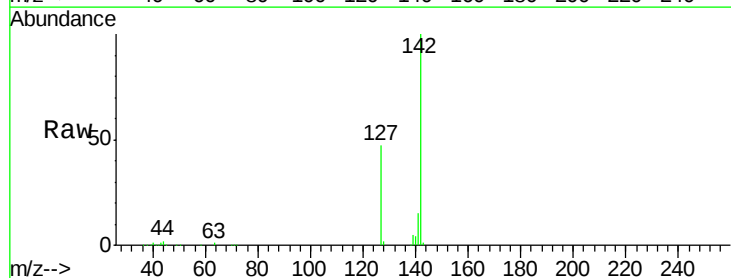
Manual Integrations
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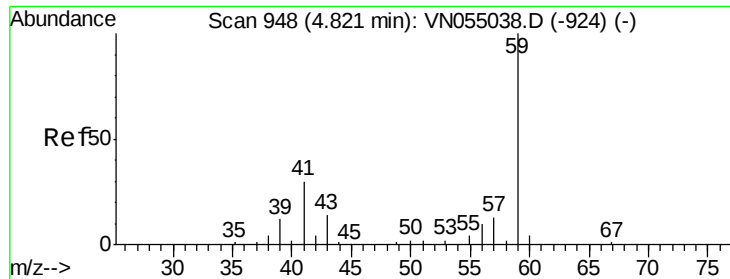
MMDadoda
 4/17/2019 10:06:47 AM



#10
 Methyl Iodide
 Concen: 45.993 ug/l
 RT: 3.94 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN055047.D
 Acq: 15 Apr 2019 16:51

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	249644		
127	45.6	37.9	56.9	
141	14.6	11.8	17.8	





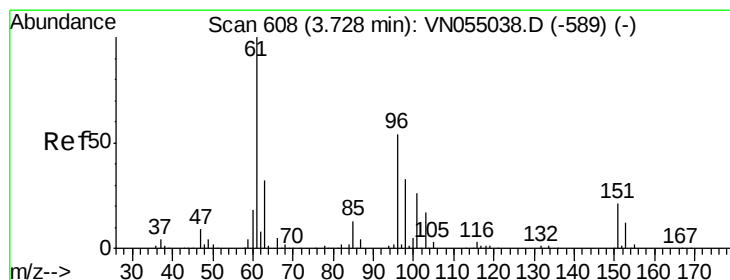
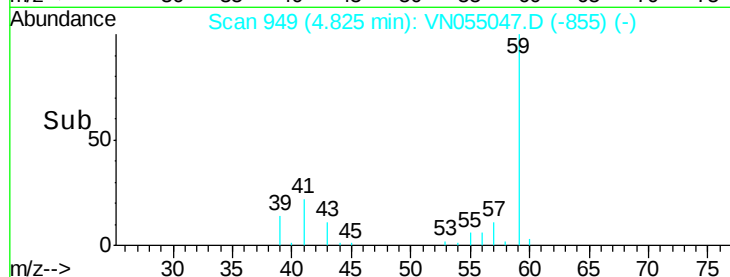
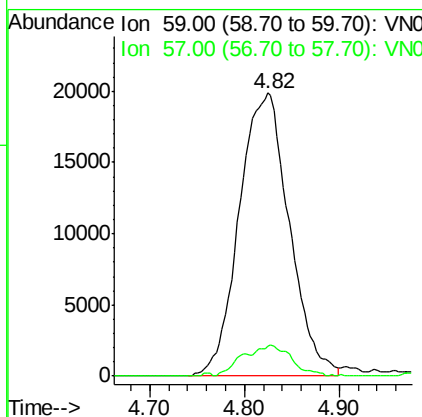
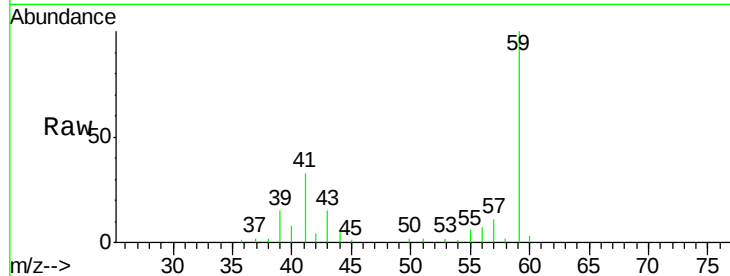
#11
Tert butyl alcohol
Concen: 233.434 ug/l
RT: 4.82 min Scan# 949
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.5	8.3	12.5#

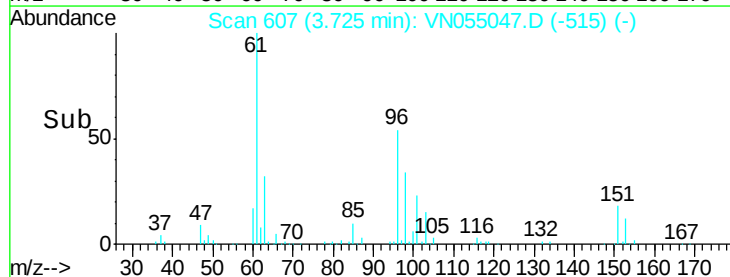
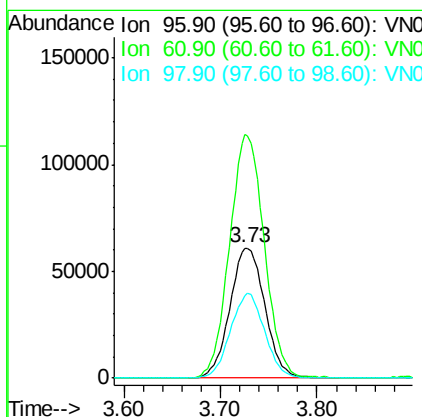
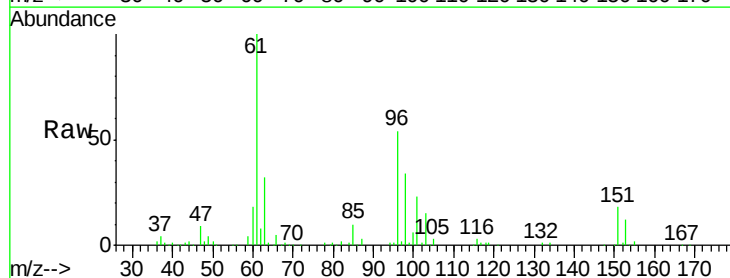
Manual Integrations
APPROVED

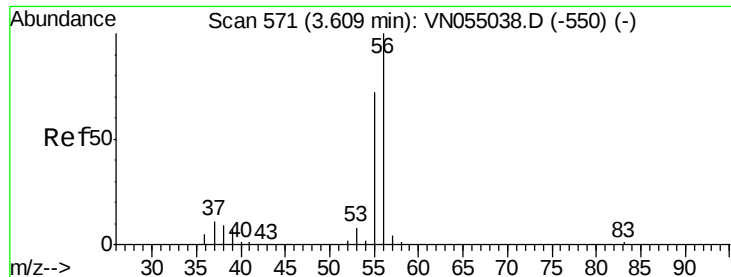
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4/17/2019 10:06:47 AM



#12
1,1-Dichloroethene
Concen: 45.005 ug/l
RT: 3.73 min Scan# 607
Delta R.T. -0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	186.9	154.2	231.4
98	63.4	52.9	79.3





#13

Acrolein

Concen: 199.734 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 77160

Ion Ratio Lower Upper

56 100

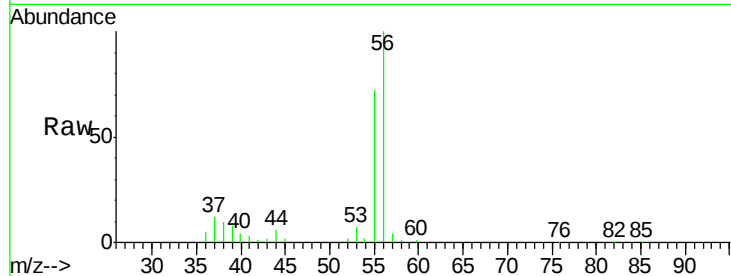
55 74.0 59.5 89.3

Manual Integrations

APPROVED

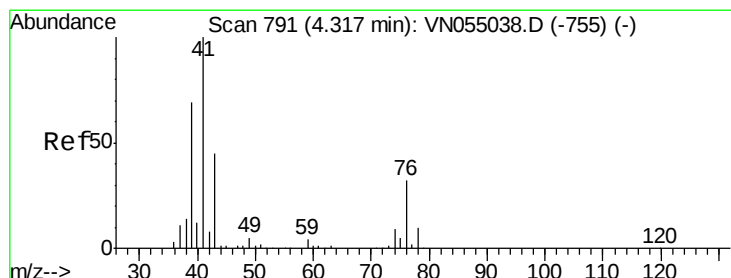
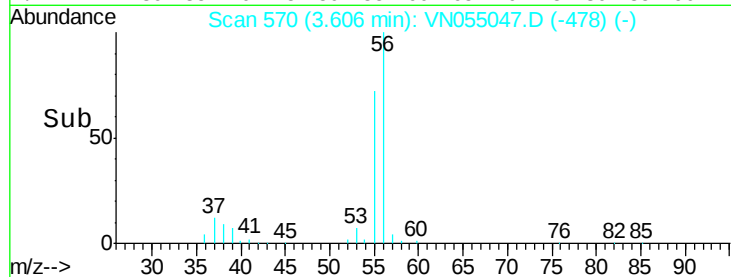
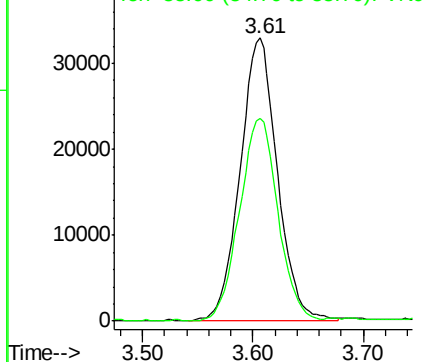
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 46.781 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

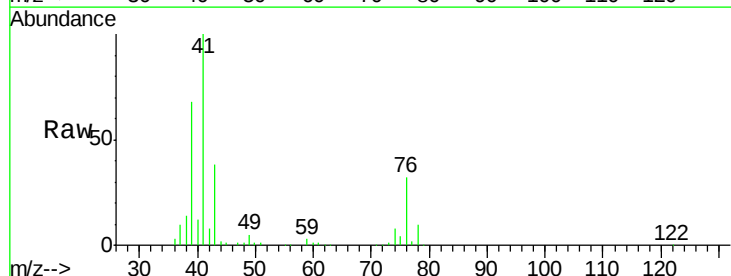
Tgt Ion: 41 Resp: 389866

Ion Ratio Lower Upper

41 100

39 65.8 52.7 79.1

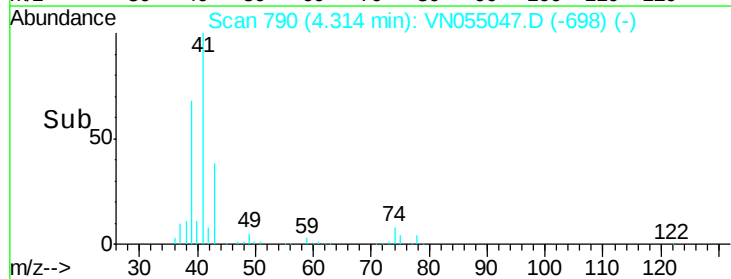
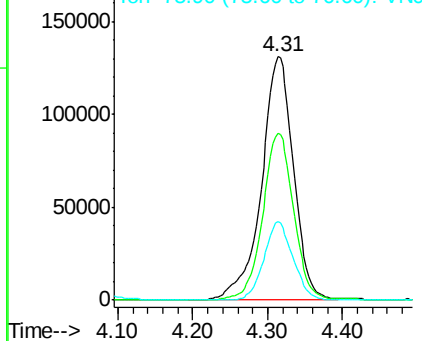
76 29.2 23.2 34.8

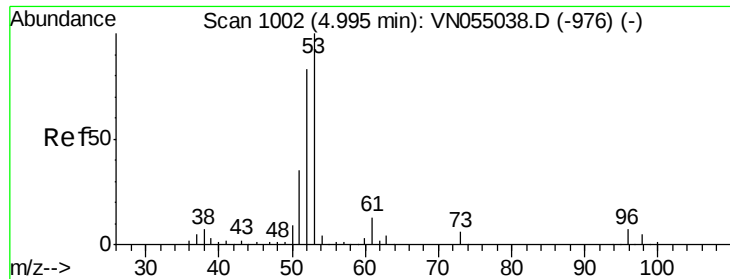


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 232.788 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

Instrument :

MSVOA_N

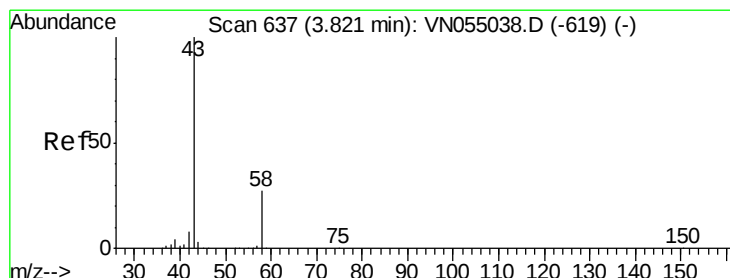
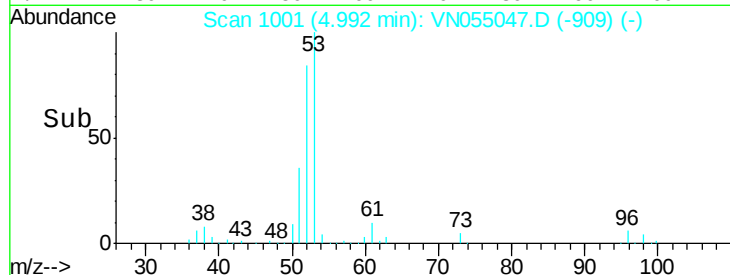
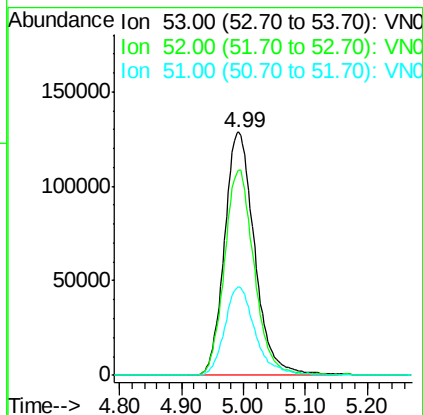
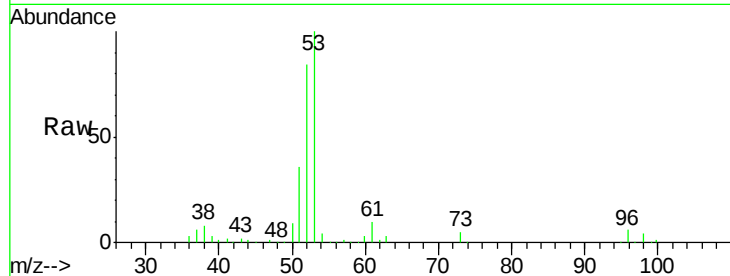
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	435294
Ion	Ratio	Lower	Upper
53	100		
52	82.8	65.9	98.9
51	36.8	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 242.400 ug/l

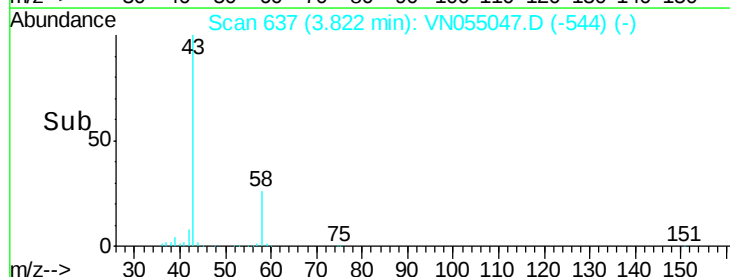
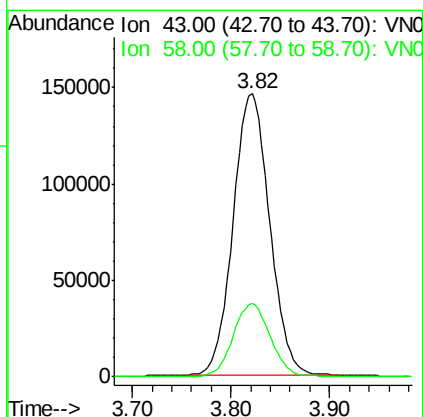
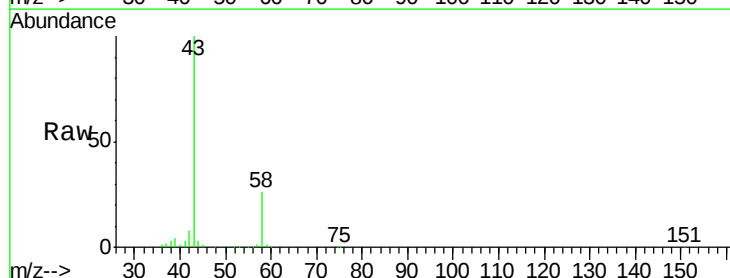
RT: 3.82 min Scan# 637

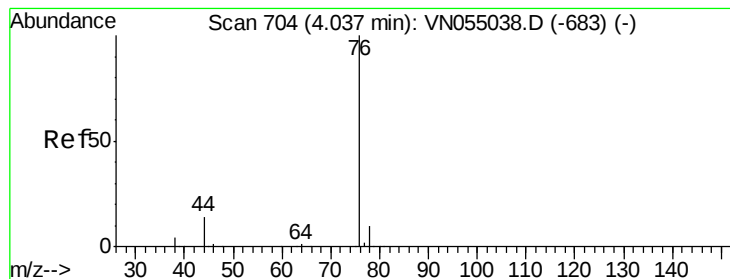
Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

Tgt Ion:	43	Resp:	375134
Ion	Ratio	Lower	Upper
43	100		
58	26.0	20.9	31.3





#17

Carbon Disulfide

Concen: 44.726 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

Tot Ion: 76 Resp: 491551

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8

Instrument :

MSVOA_N

ClientSampleId :

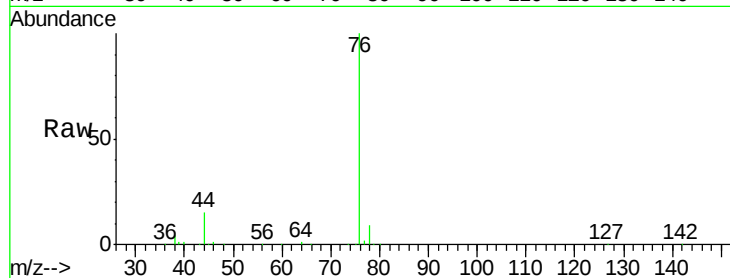
VSTDCCC050

Manual Integrations

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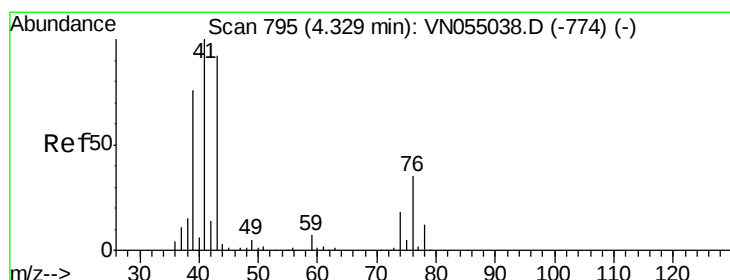
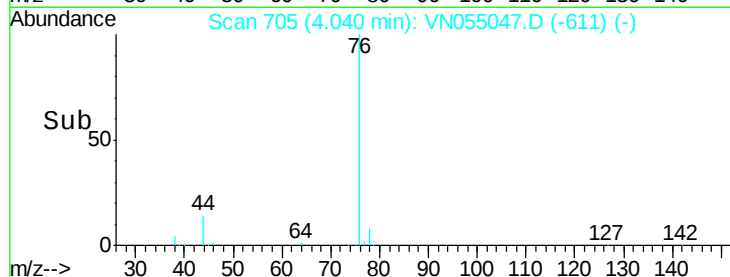
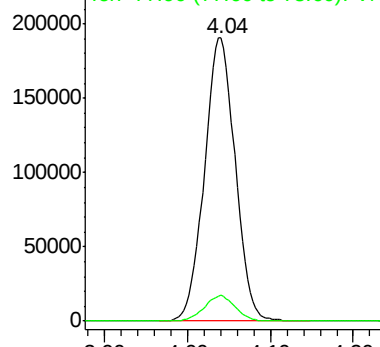
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4/17/2019 10:06:47 AM



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 46.281 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055047.D

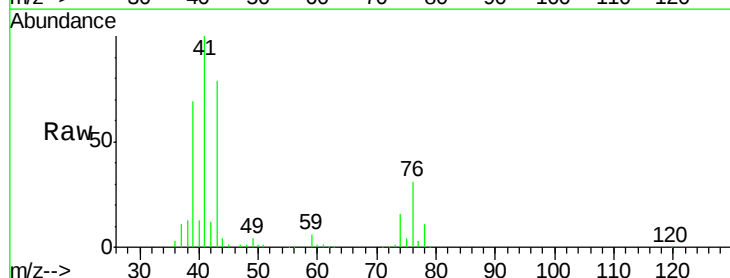
Acq: 15 Apr 2019 16:51

Tgt Ion: 43 Resp: 206575

Ion Ratio Lower Upper

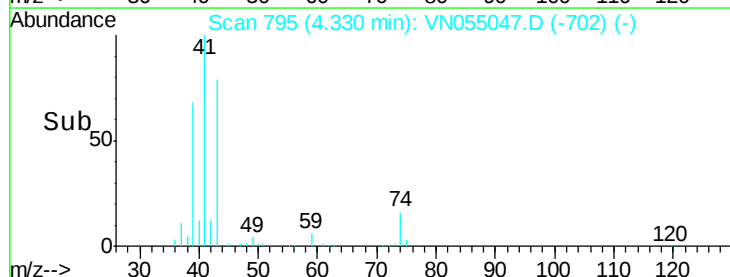
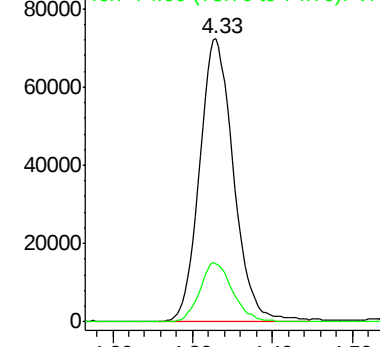
43 100

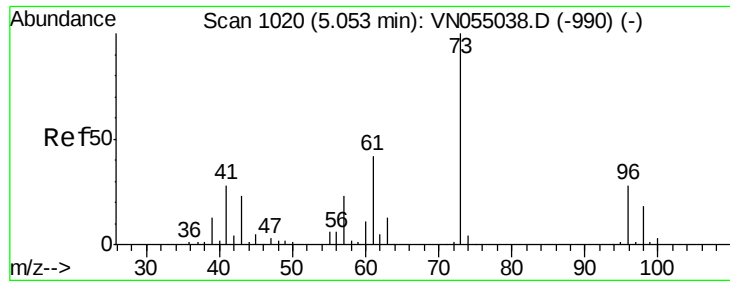
74 20.4 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC





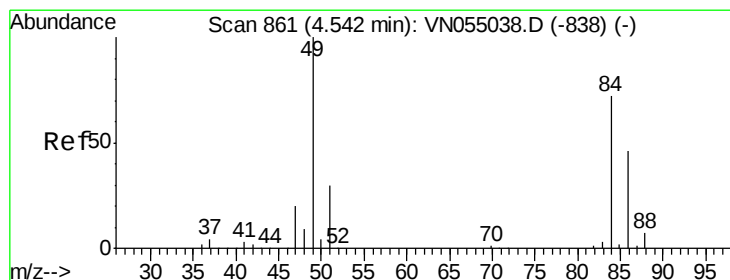
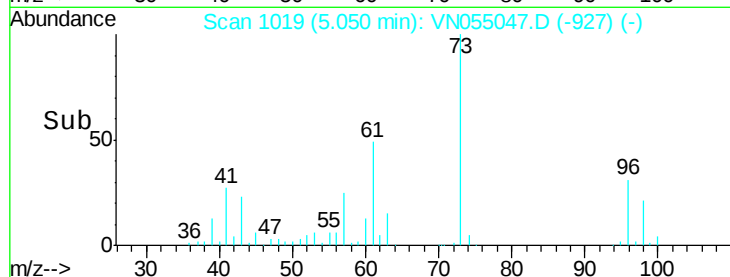
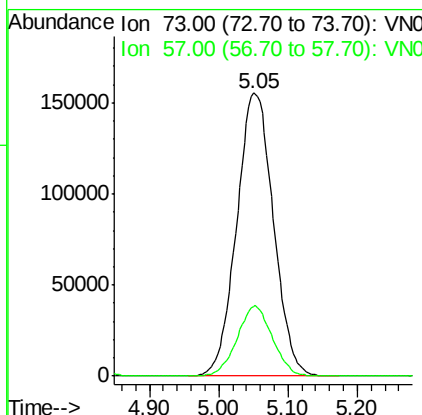
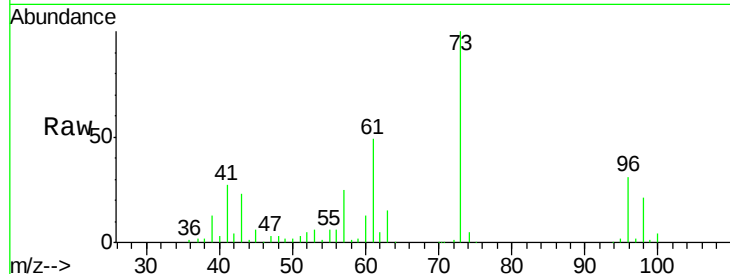
#19
Methvl tert-butvl Ether
Concen: 47.041 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 572917
Ion Ratio Lower Upper
73 100
57 24.8 19.0 28.4

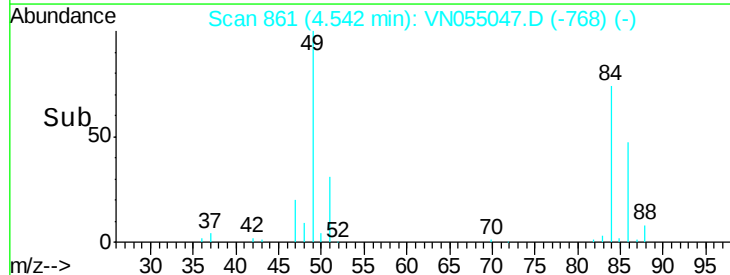
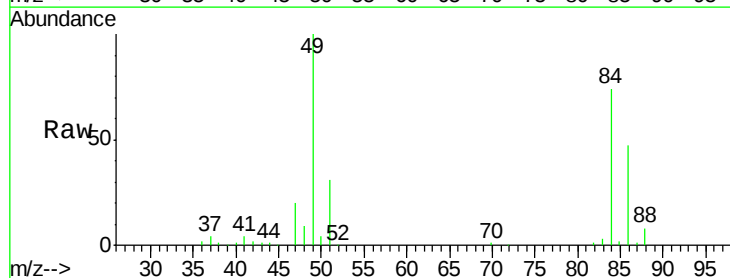
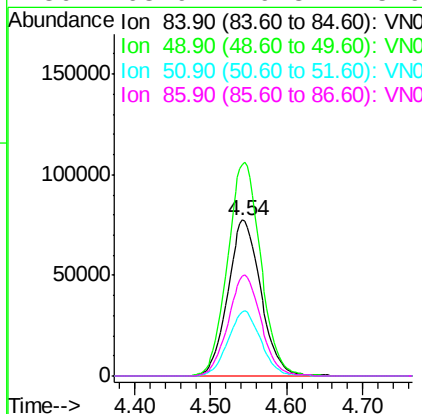
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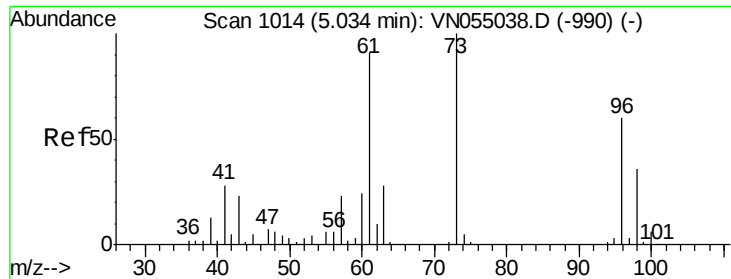
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#20
Methylene Chloride
Concen: 42.921 ug/l
RT: 4.54 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Tgt Ion: 84 Resp: 233500
Ion Ratio Lower Upper
84 100
49 135.5 109.4 164.2
51 41.5 32.2 48.4
86 63.9 49.3 73.9





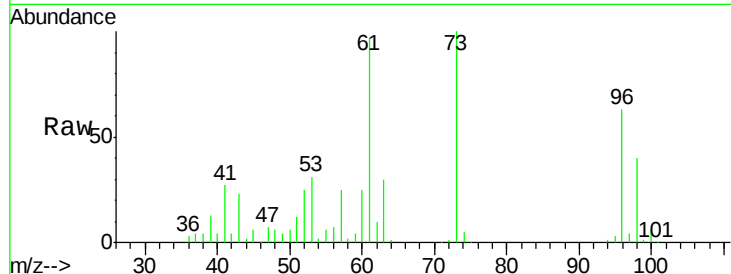
#21
trans-1,2-Dichloroethene
Concen: 45.482 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

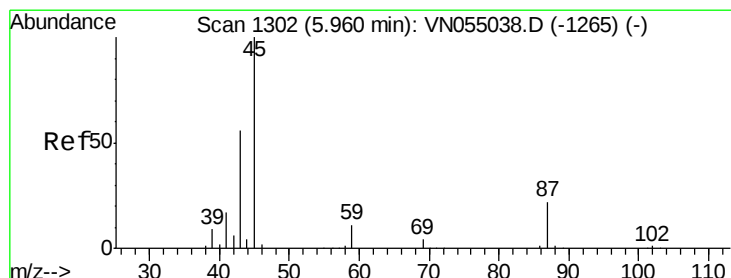
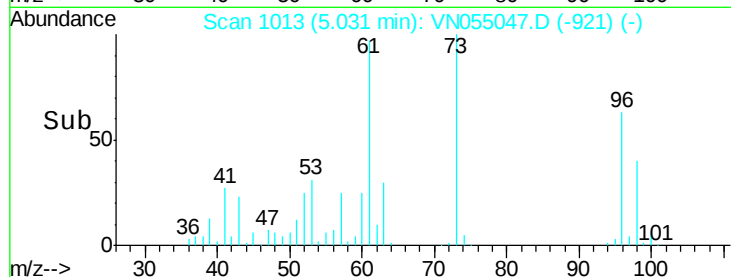
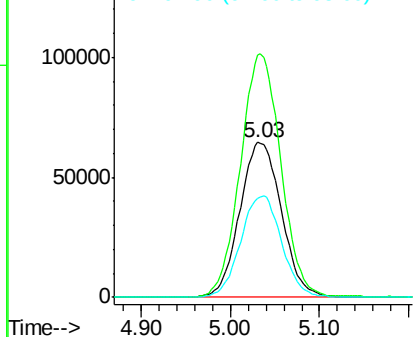
Tot Ion	Ratio	Lower	Upper
96	100		
61	155.8	114.9	172.3
98	63.8	48.4	72.6

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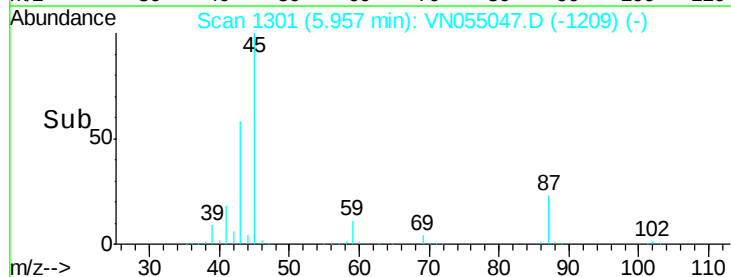
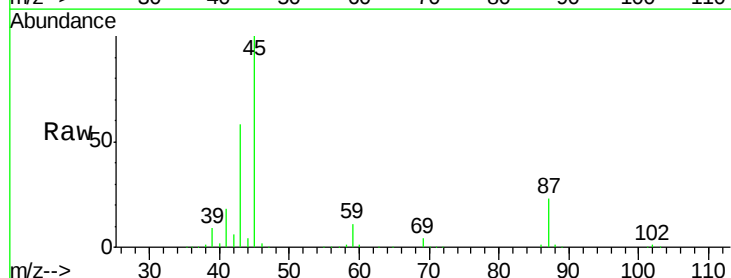
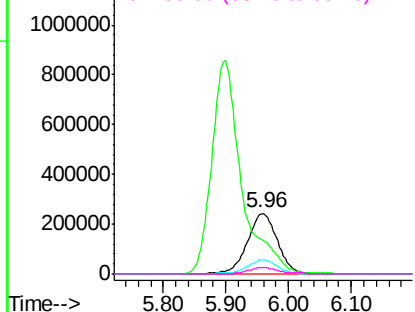
Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

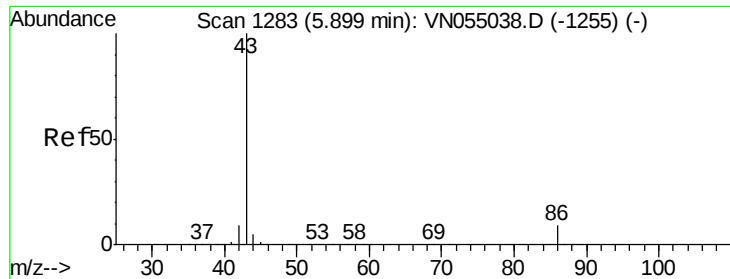


#22
Diisopropyl ether
Concen: 47.590 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.7	44.8	67.2
87	23.1	18.9	28.3
59	10.5	7.9	11.9

Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





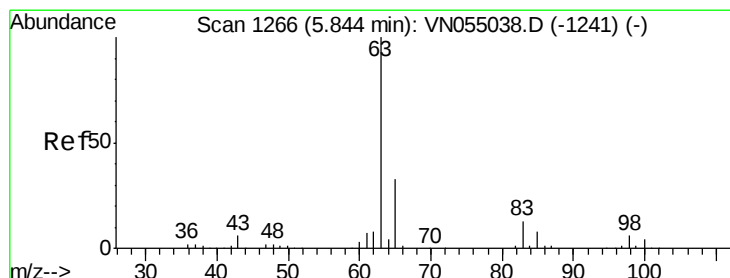
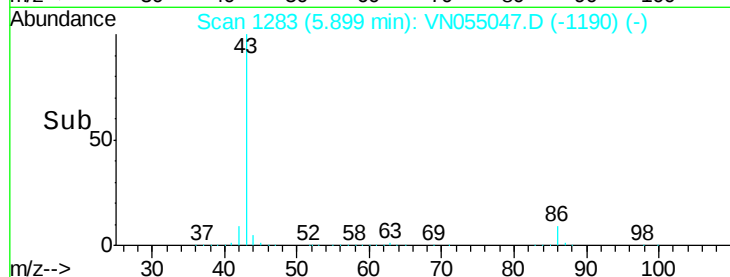
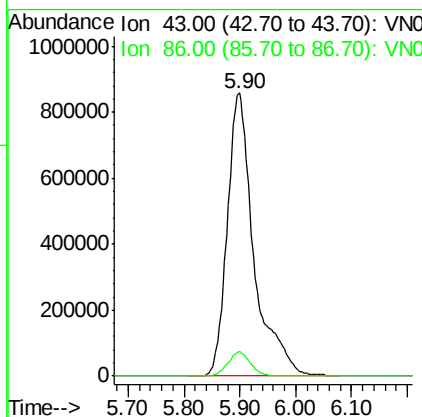
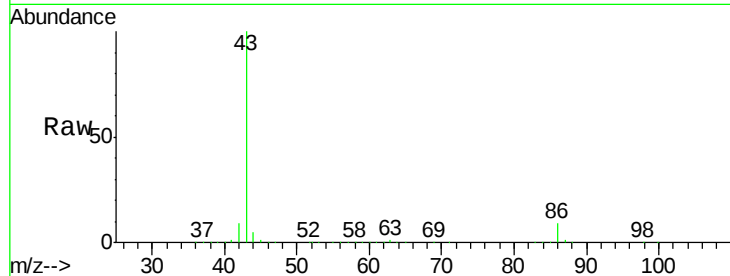
#23
 Vinyl Acetate
 Concen: 251.914 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN055047.D
 Acq: 15 Apr 2019 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2852637
 Ion Ratio Lower Upper
 43 100
 86 8.6 7.0 10.4

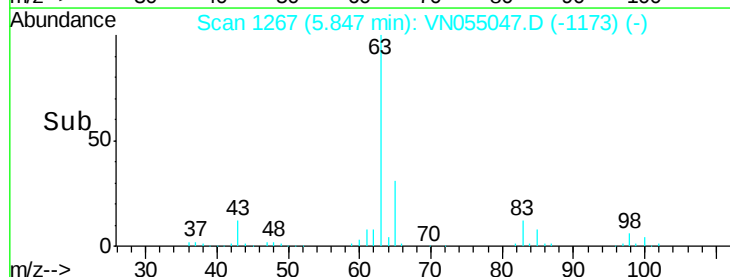
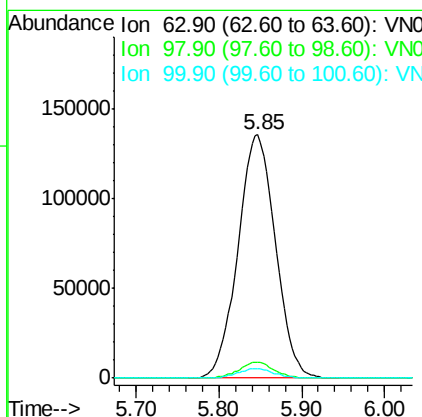
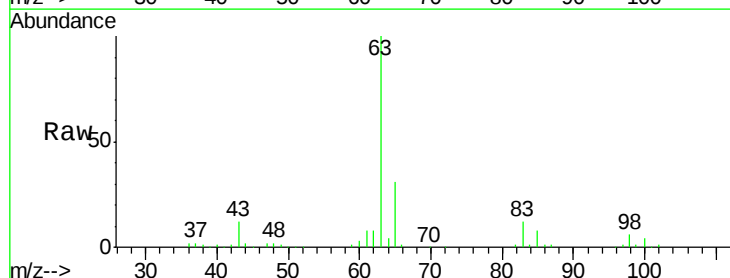
Manual Integrations
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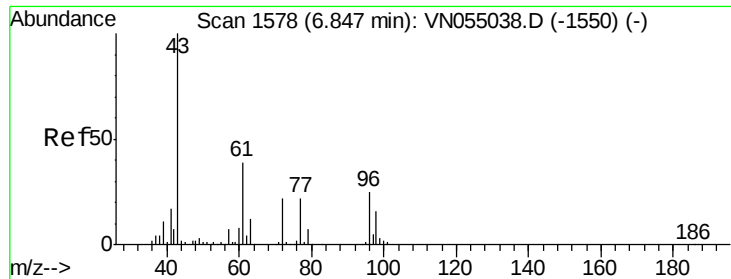
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 46.765 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN055047.D
 Acq: 15 Apr 2019 16:51

Tgt Ion: 63 Resp: 426637
 Ion Ratio Lower Upper
 63 100
 98 6.5 2.8 8.4
 100 3.8 2.0 5.8





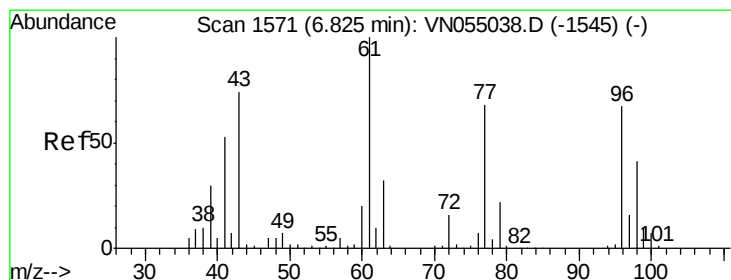
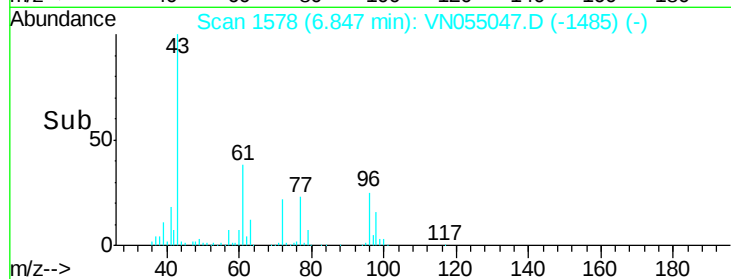
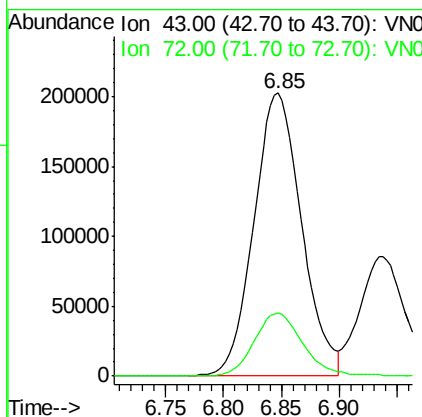
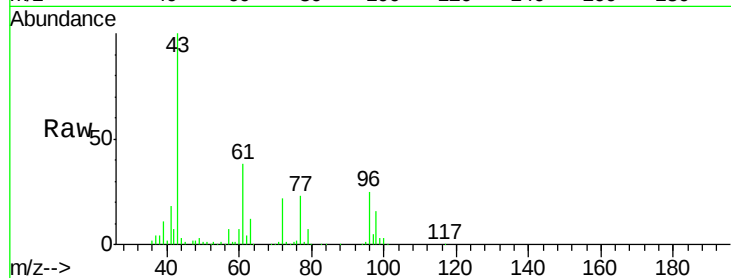
#25
2-Butanone
Concen: 249.050 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 575243
Ion Ratio Lower Upper
43 100
72 22.3 18.1 27.1

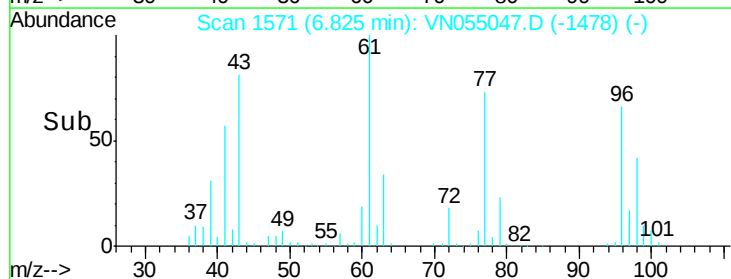
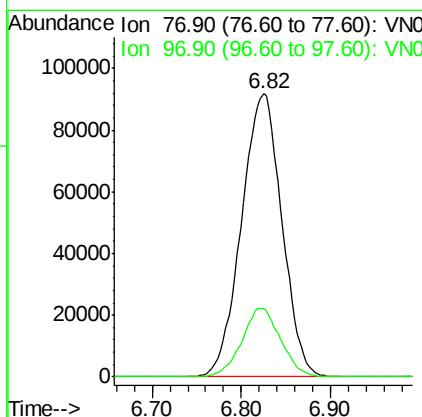
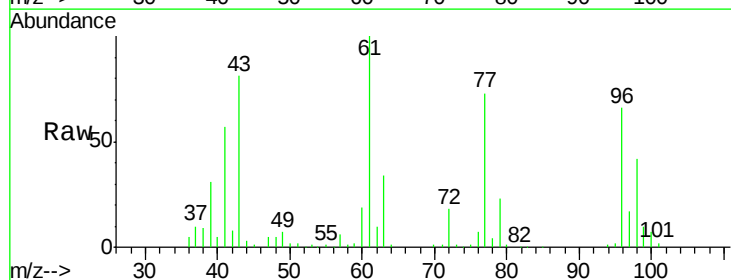
Manual Integrations
APPROVED

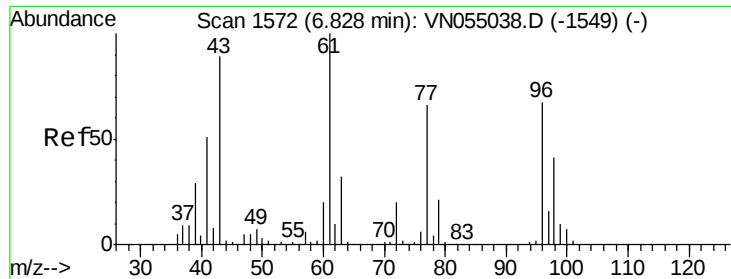
MMDadoda
4/17/2019 10:06:47 AM



#26
2,2-Dichloropropane
Concen: 50.154 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Tgt Ion: 77 Resp: 288793
Ion Ratio Lower Upper
77 100
97 23.4 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 46.247 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

Instrument :

MSVOA_N

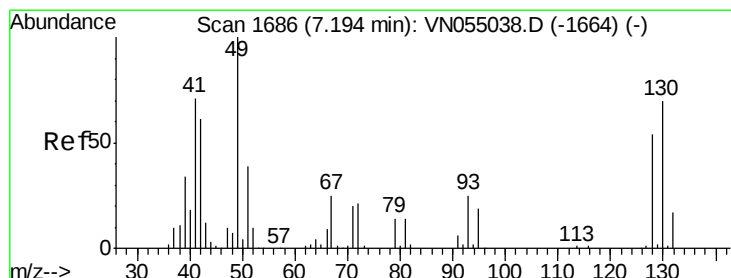
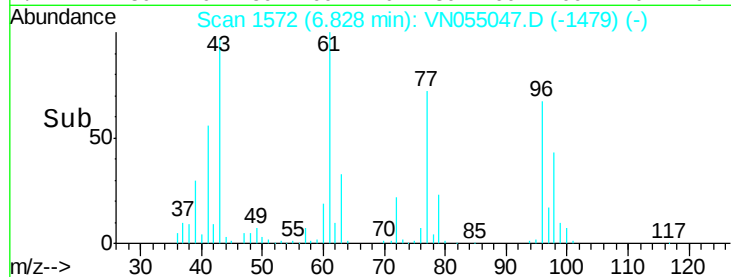
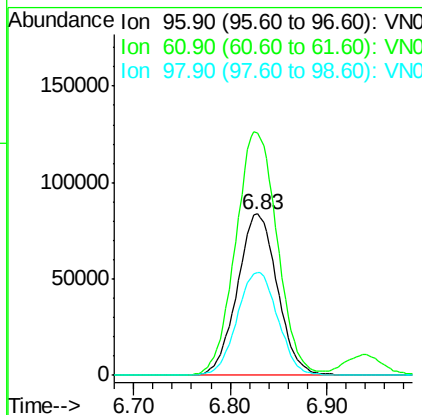
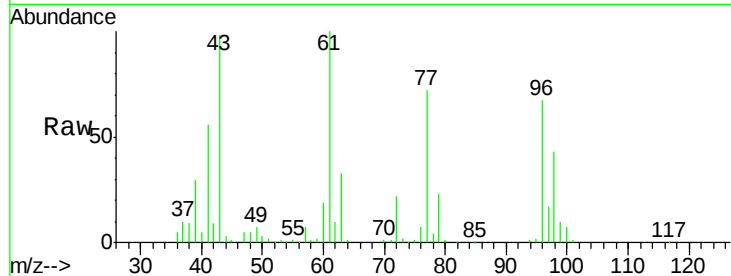
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	240926
Ion	Ratio	Lower	Upper
96	100		
61	156.9	0.0	311.0
98	64.9	0.0	127.4

Manual Integrations
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MMDadoda
4/17/2019 10:06:47 AM



#28

Bromochloromethane

Concen: 45.667 ug/l

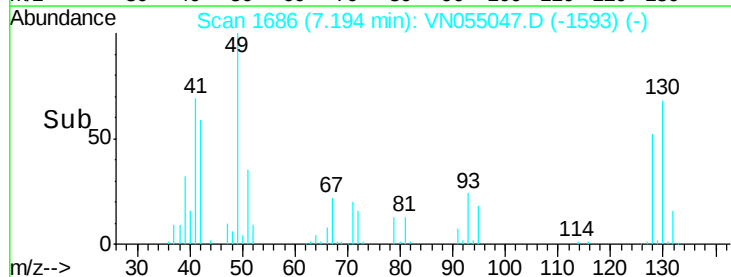
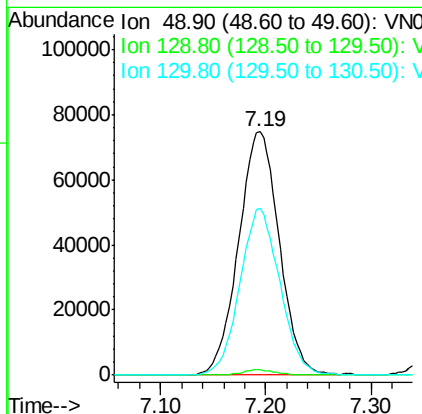
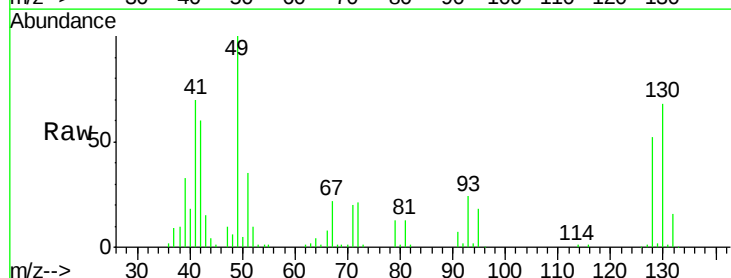
RT: 7.19 min Scan# 1686

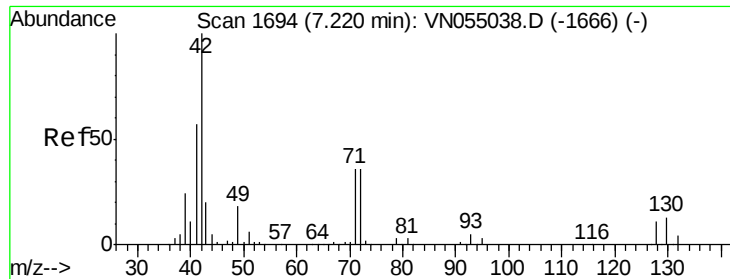
Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

Tgt Ion:	49	Resp:	200831
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	2.0
130	67.2	53.4	80.2





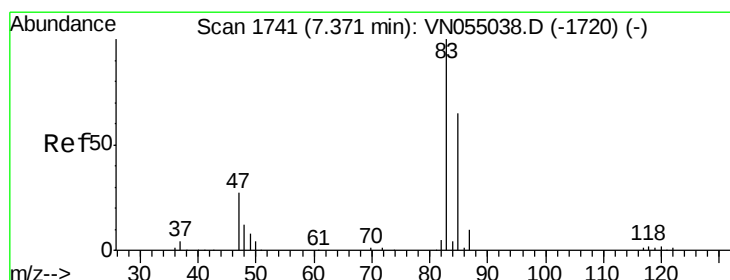
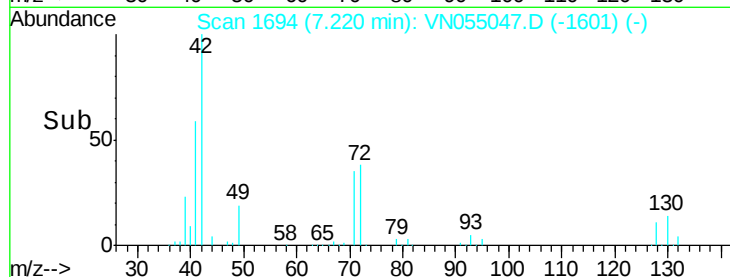
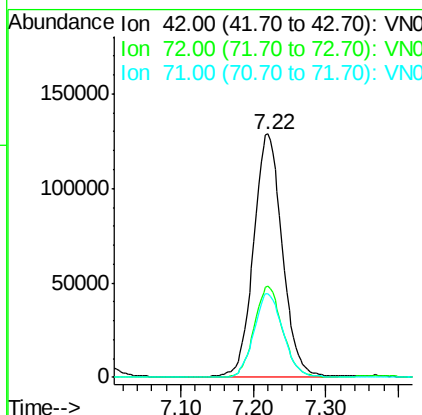
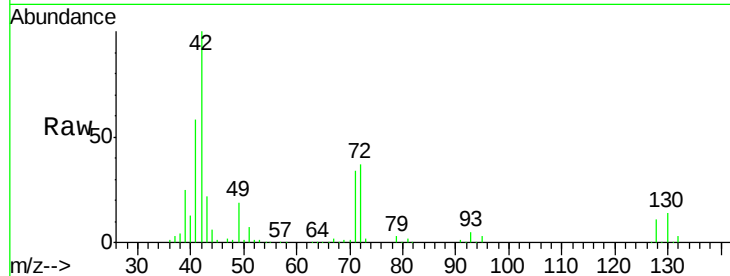
#29
Tetrahydrofuran
Concen: 233.880 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.0	29.4	44.0
71	35.0	27.8	41.6

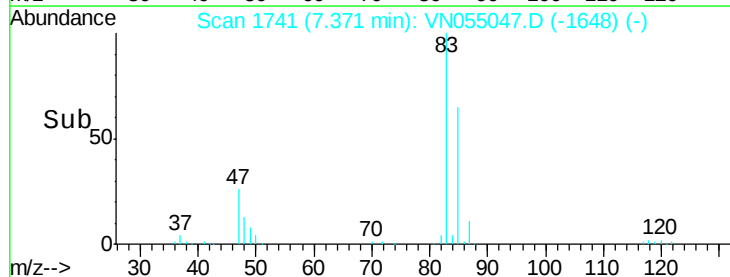
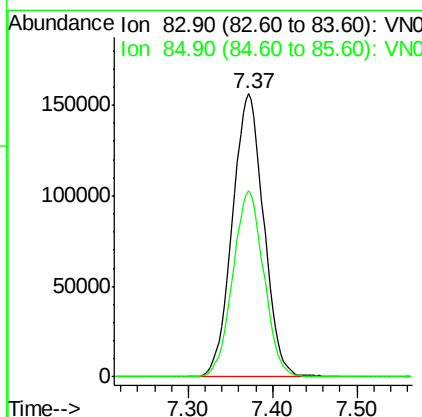
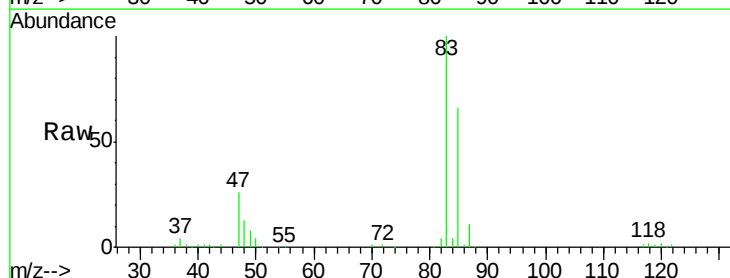
Manual Integrations
APPROVED

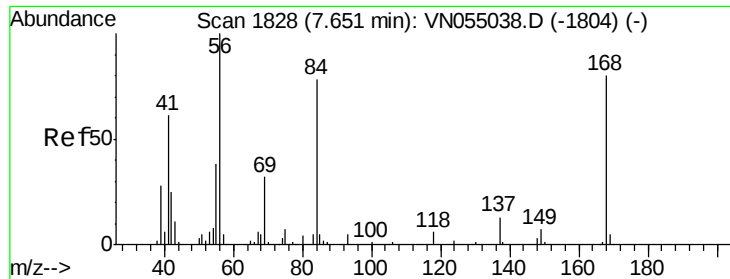
MMDadoda
4/17/2019 10:06:47 AM



#30
Chloroform
Concen: 45.597 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.8	77.6





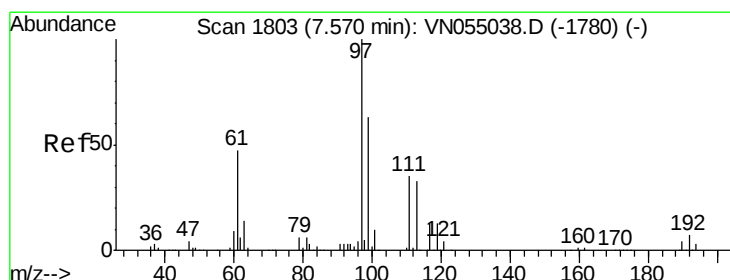
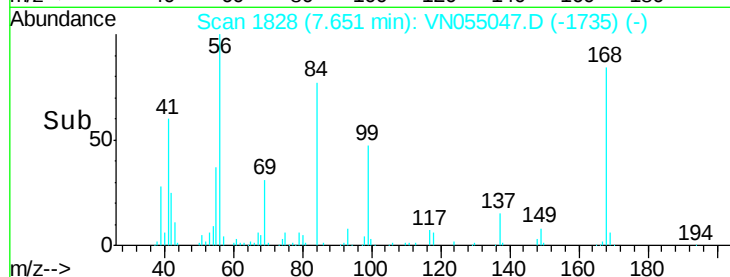
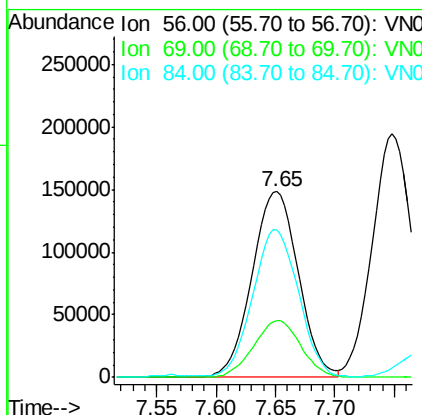
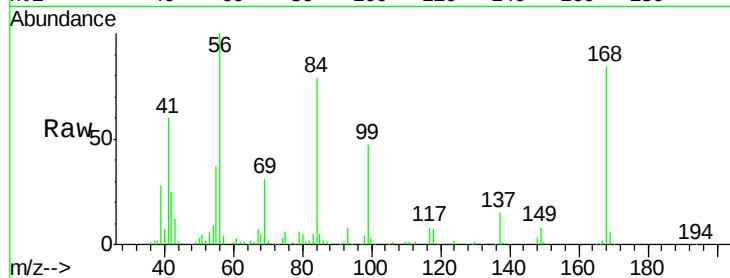
#31
Cyclohexane
Concen: 49.543 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.7	24.5	36.7
84	78.5	62.9	94.3

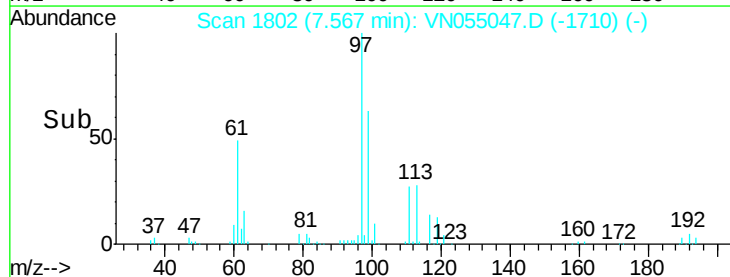
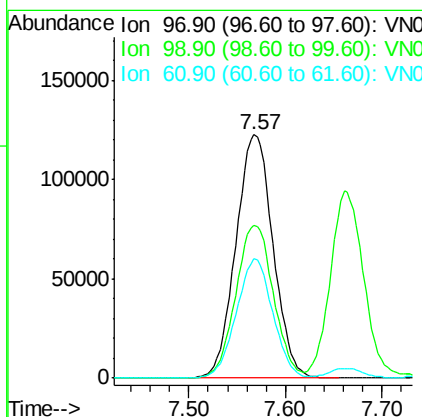
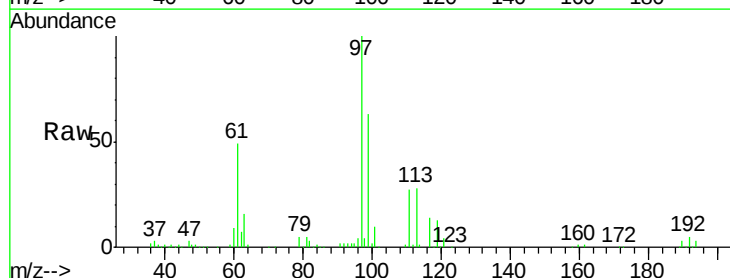
Manual Integrations
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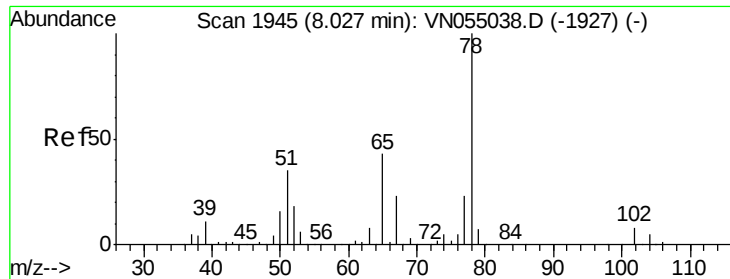
MMDadoda
4/17/2019 10:06:47 AM



#32
1,1,1-Trichloroethane
Concen: 46.635 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.6	77.4
61	48.2	38.3	57.5





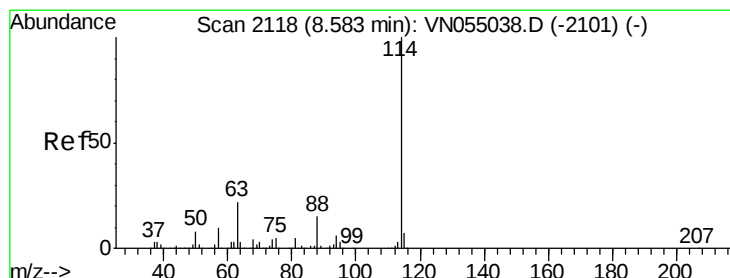
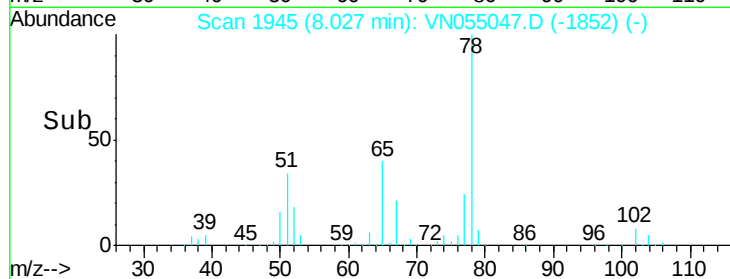
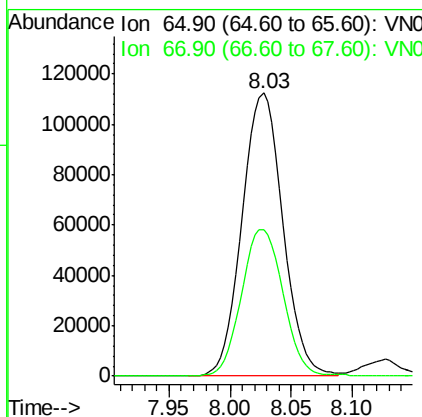
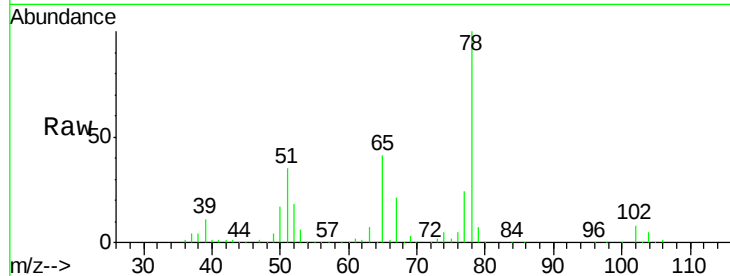
#33
 1,2-Dichloroethane-d4
 Concen: 45.715 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055047.D
 Acq: 15 Apr 2019 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	260658		
67	53.0	0.0	106.4	

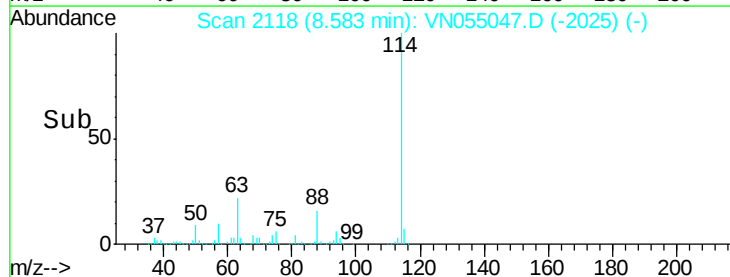
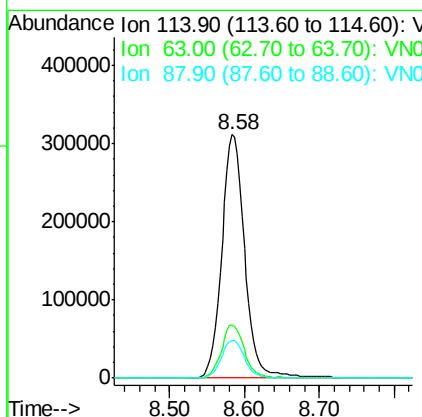
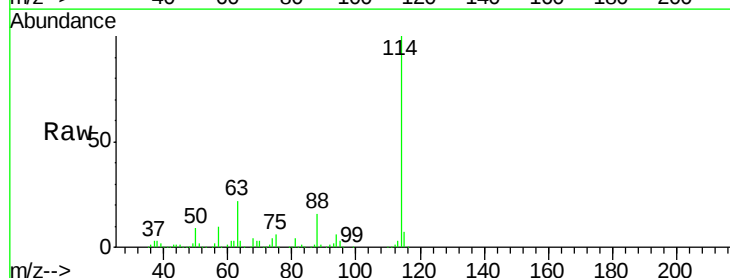
Manual Integrations
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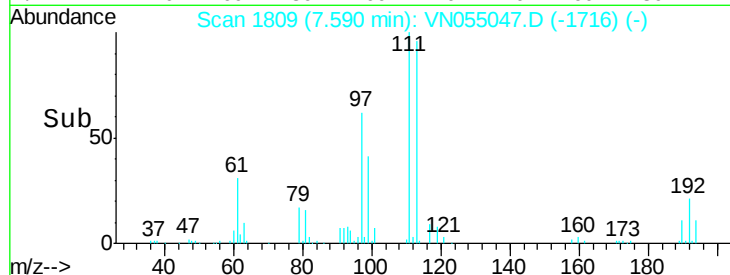
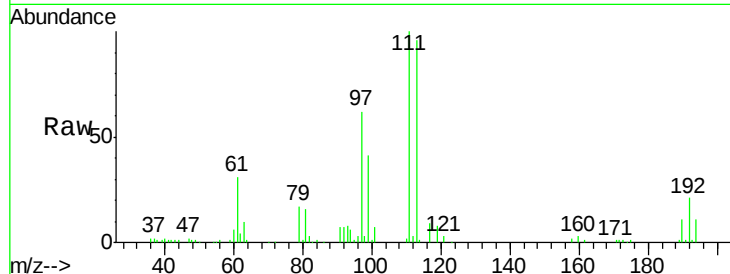
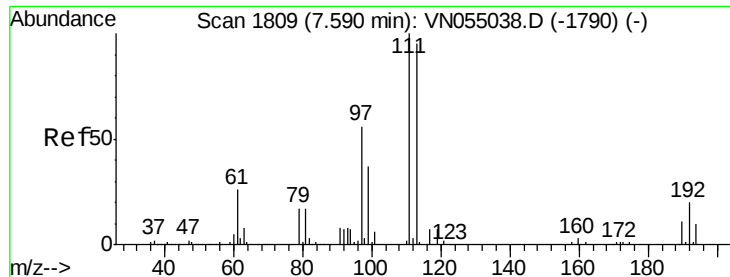
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 4/17/2019 10:06:47 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055047.D
 Acq: 15 Apr 2019 16:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	659969		
63	21.9	0.0	45.2	
88	15.5	0.0	31.8	





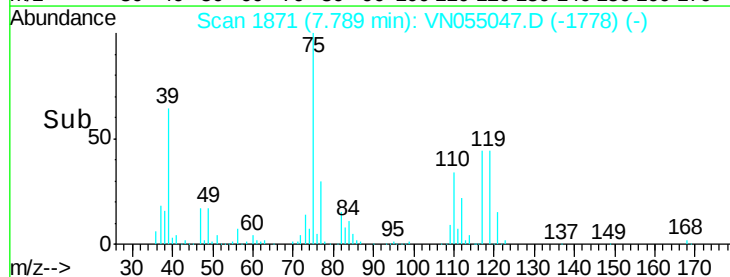
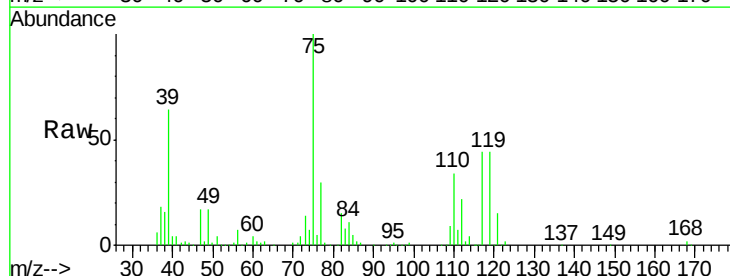
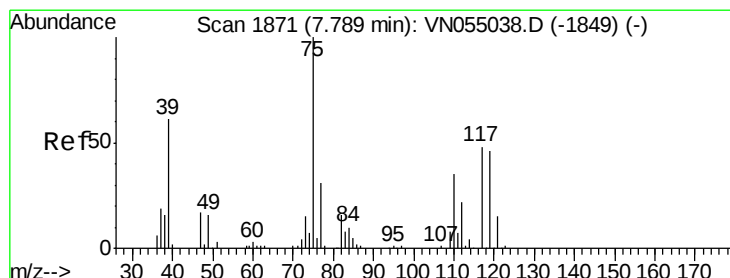
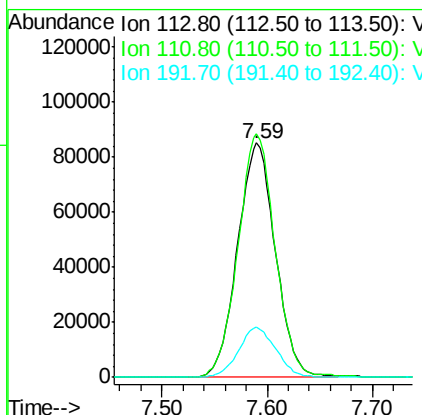
#35
Dibromofluoromethane
Concen: 48.046 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Tot Ion	Ratio	Resp	Lower	Upper
113	100	211913		
111	101.7	82.1	123.1	
192	21.1	16.5	24.7	

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

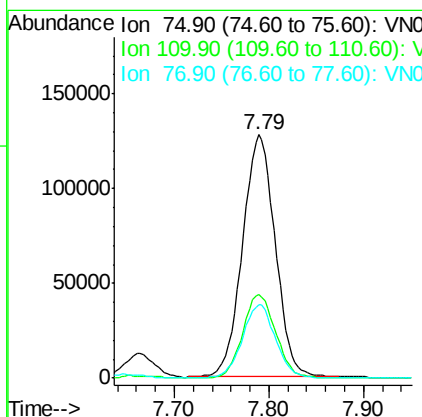
Manual Integrations
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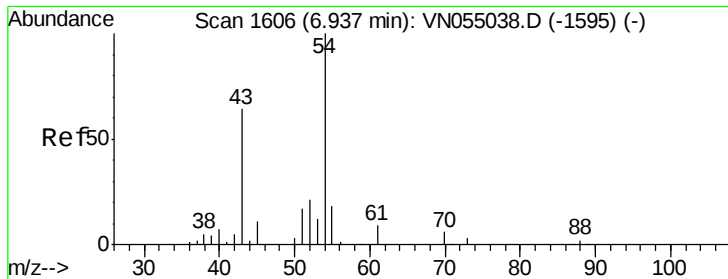
MMDadoda
4/17/2019 10:06:47 AM



#36
1,1-Dichloropropene
Concen: 49.509 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	308019		
110	34.8	17.5	52.5	
77	30.7	24.9	37.3	





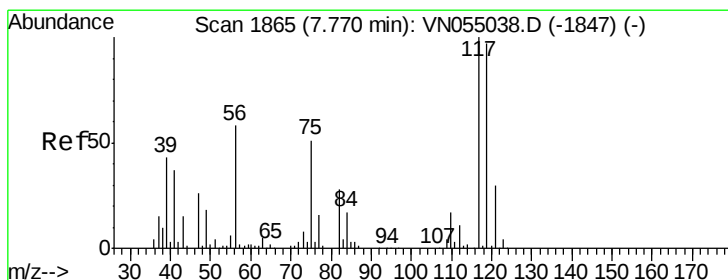
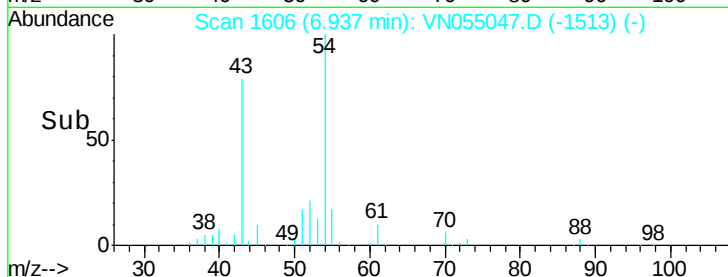
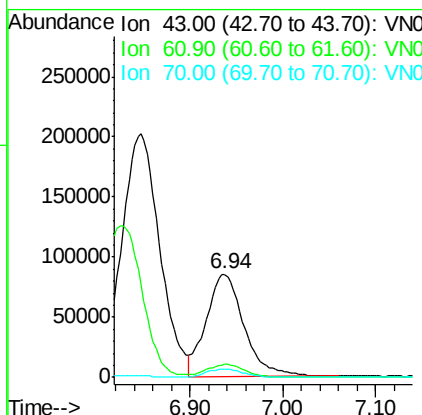
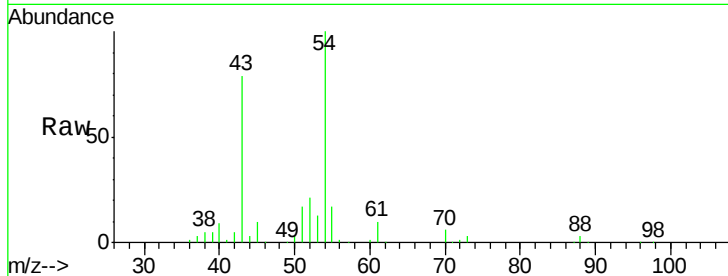
#37
Ethyl Acetate
Concen: 47.199 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	61	70
Resp	239063		
Ratio	100	12.0	8.2
Lower		10.0	7.1
Upper		15.0	10.7

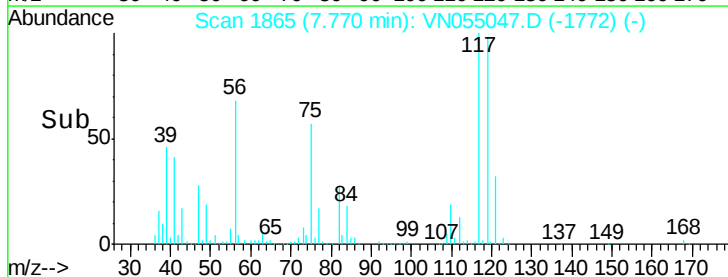
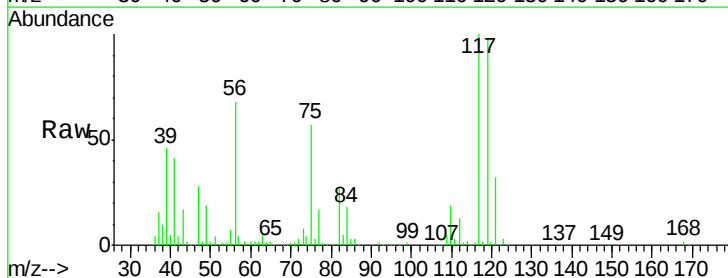
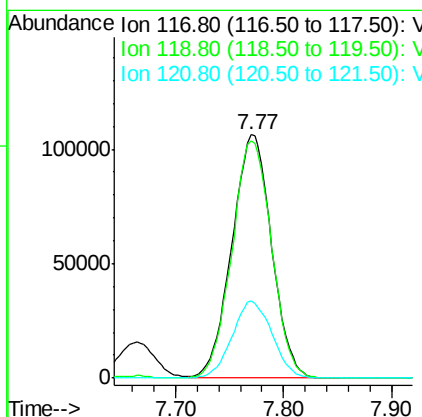
Manual Integrations
APPROVED

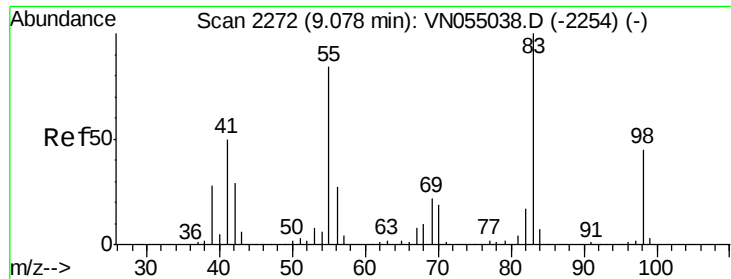
MMDadoda
4/17/2019 10:06:47 AM



#38
Carbon Tetrachloride
Concen: 46.180 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Tgt Ion	117	119	121
Resp	273346		
Ratio	100	97.5	31.6
Lower		76.3	23.9
Upper		114.5	35.9





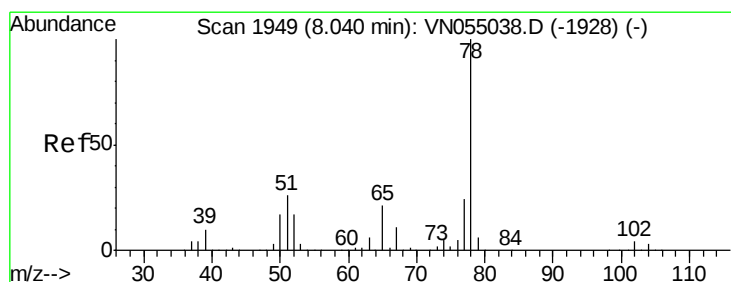
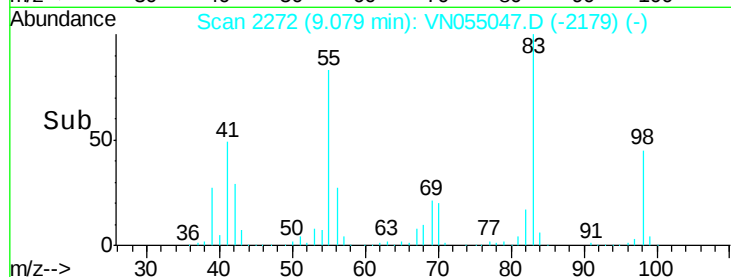
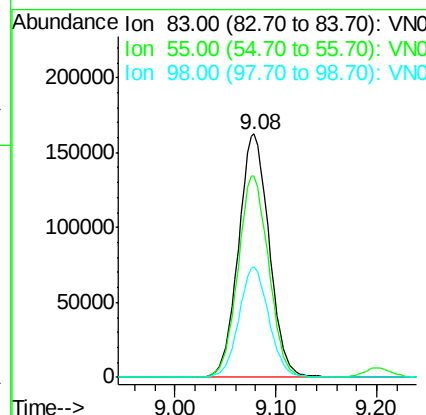
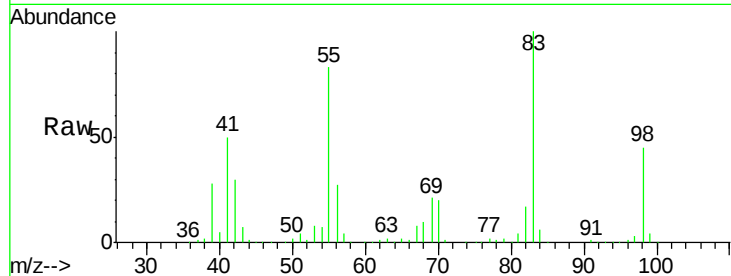
#39
Methvlcvclohexane
Concen: 50.729 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	342001
Ion Ratio	100	Lower	Upper
83	100		
55	82.5	67.0	100.4
98	45.4	35.6	53.4

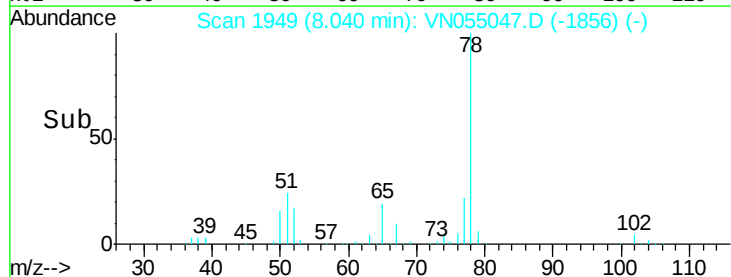
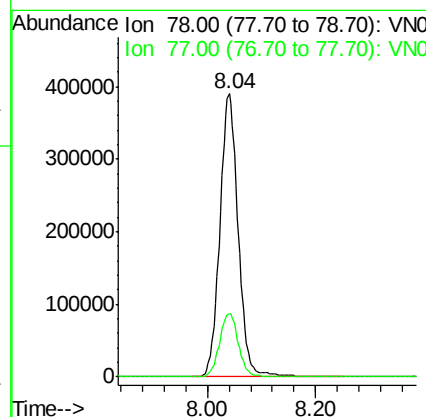
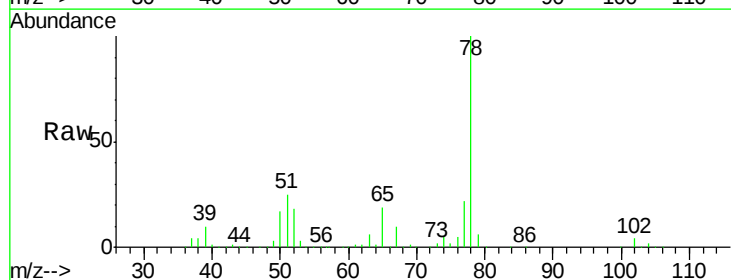
Manual Integrations
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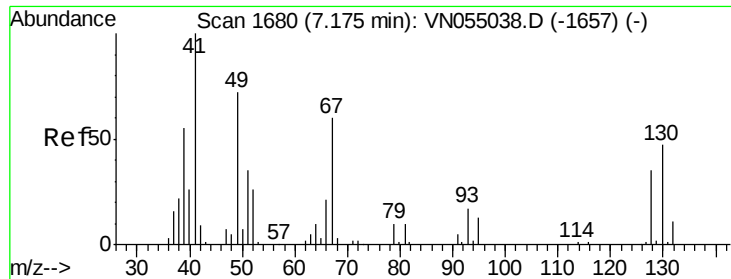
MMDadoda
4/17/2019 10:06:47 AM



#40
Benzene
Concen: 49.145 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Tgt Ion	78	Resp	921506
Ion Ratio	100	Lower	Upper
78	100		
77	22.4	18.8	28.2





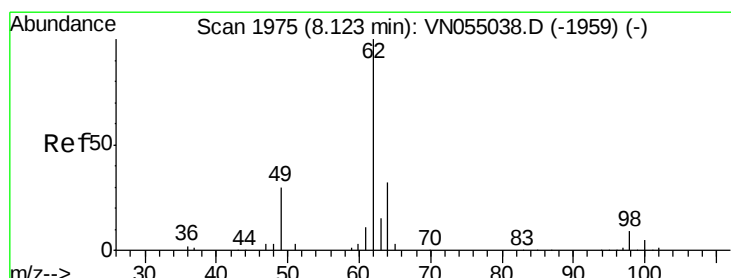
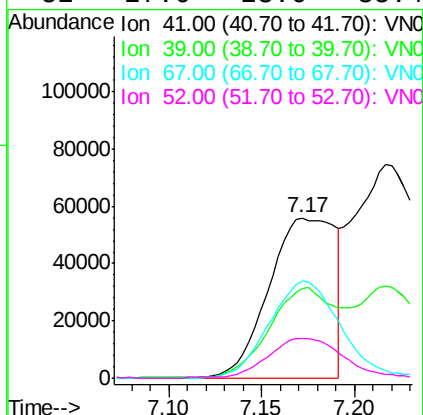
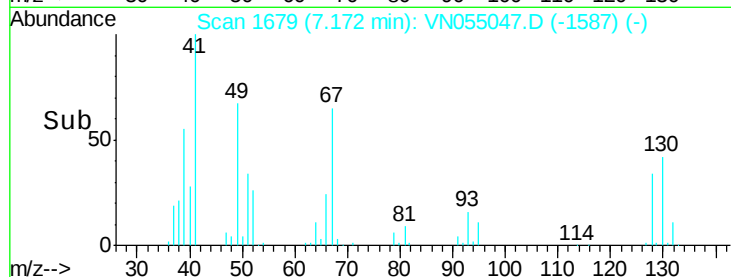
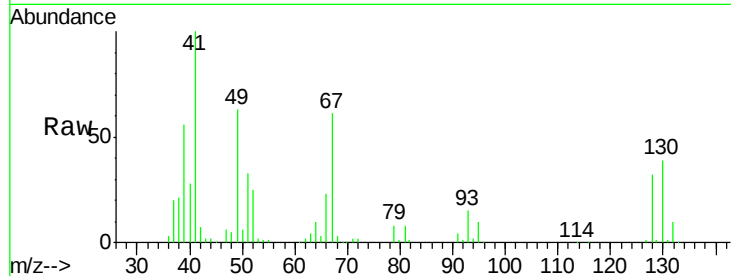
#41
Methacrylonitrile
Concen: 49.443 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	41	Resp	139012
Ion Ratio	Lower	Upper	
41	100		
39	56.1	45.6	68.4
67	65.5	57.0	85.6
52	27.6	23.6	35.4

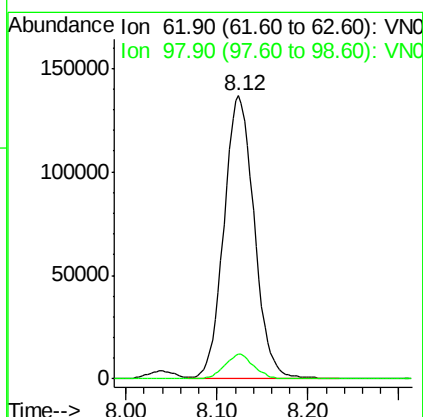
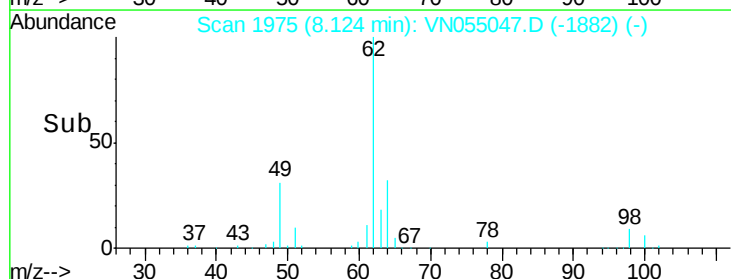
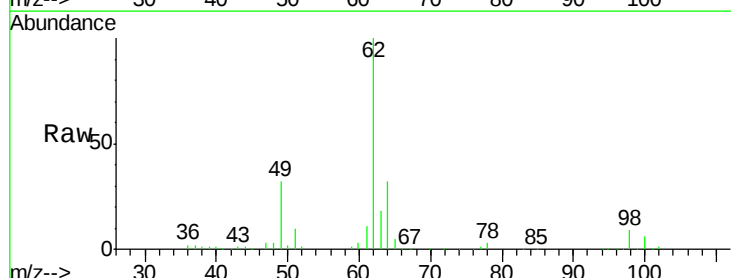
Manual Integrations
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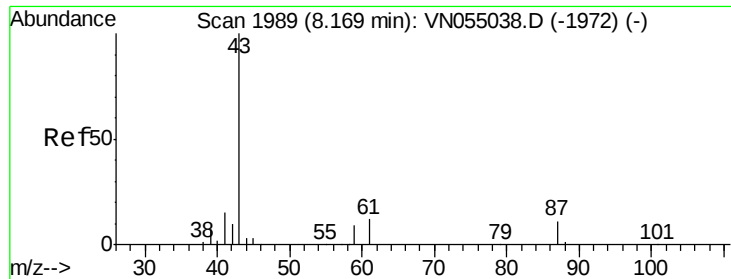
MMDadoda
4/17/2019 10:06:47 AM



#42
1,2-Dichloroethane
Concen: 48.458 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Tgt Ion	62	Resp	315466
Ion Ratio	Lower	Upper	
62	100		
98	8.5	0.0	17.4





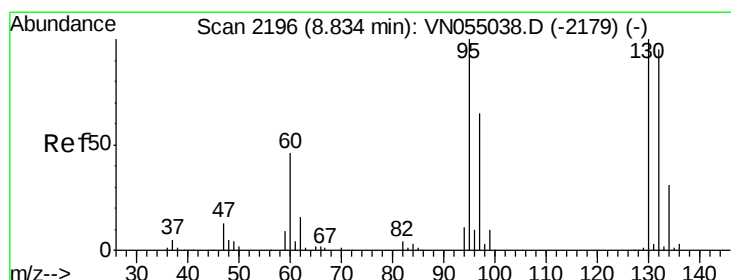
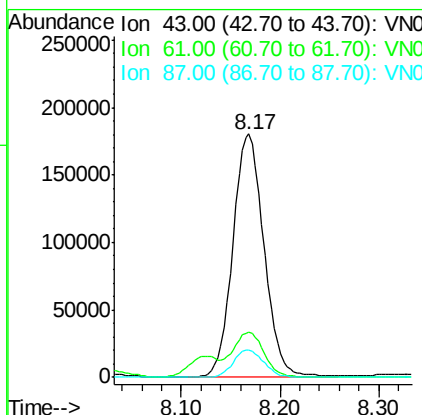
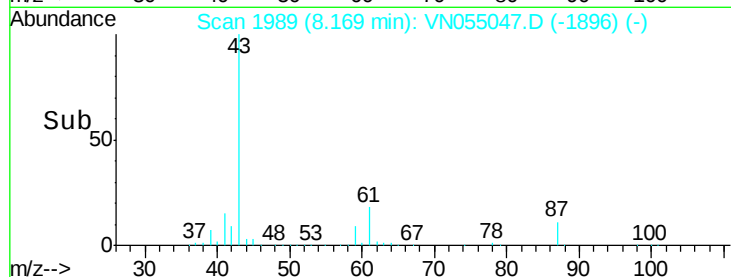
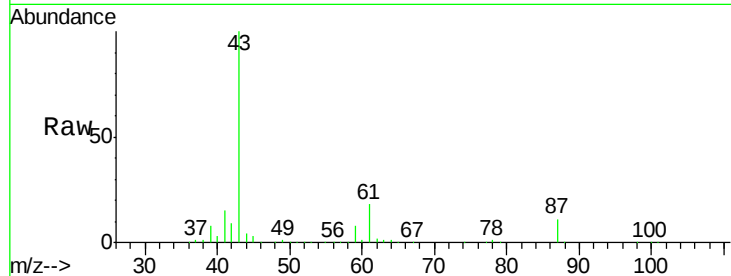
#43
Isopropyl Acetate
Concen: 50.477 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	393944
Ion	Ratio	Lower	Upper
43	100		
61	18.5	14.3	21.5
87	11.2	8.6	13.0

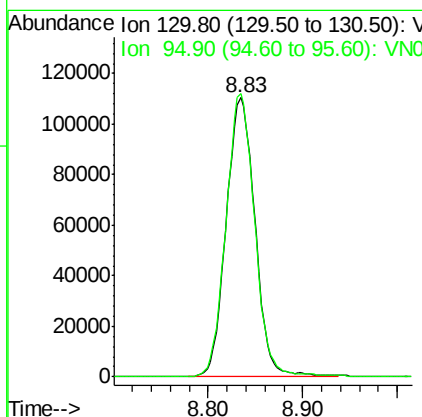
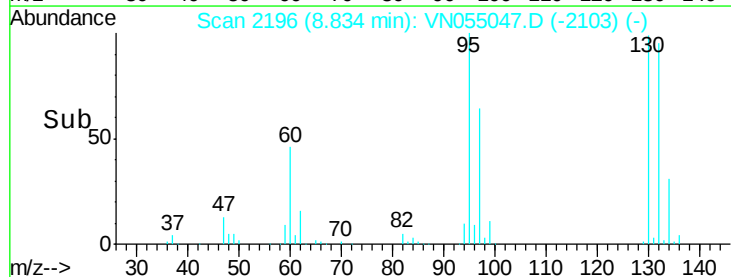
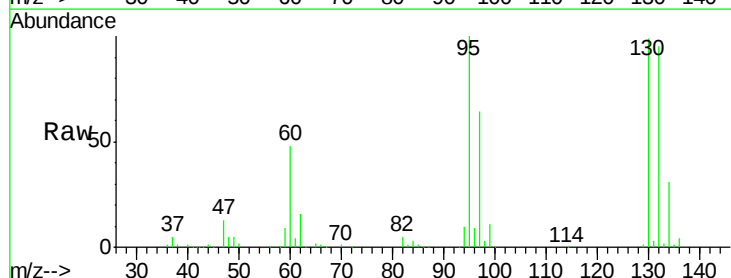
Manual Integrations
APPROVED

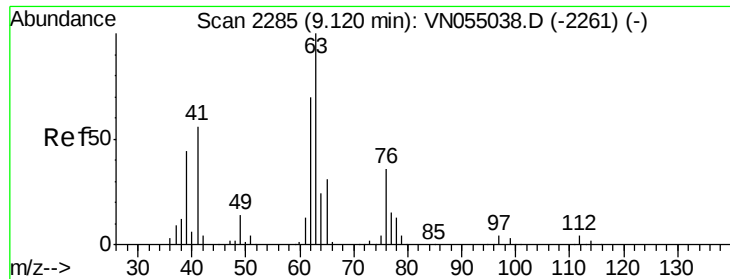
MMDadoda
4/17/2019 10:06:47 AM



#44
Trichloroethene
Concen: 49.853 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Tgt Ion	130	Resp	234138
Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	201.6





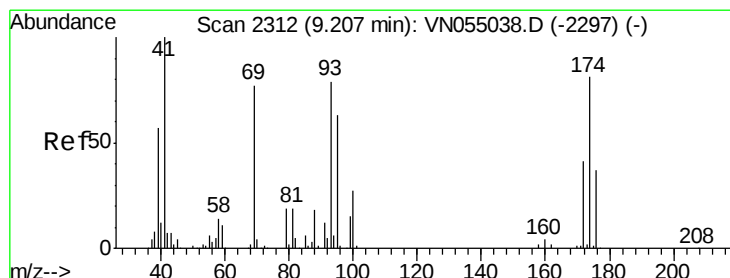
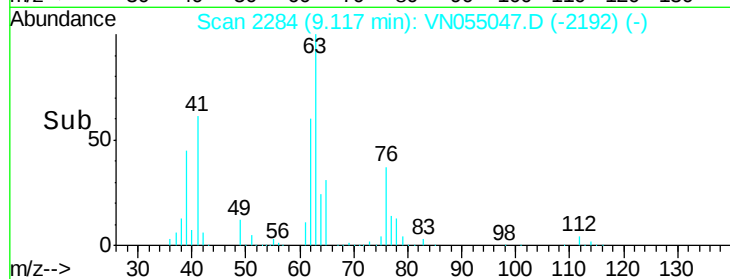
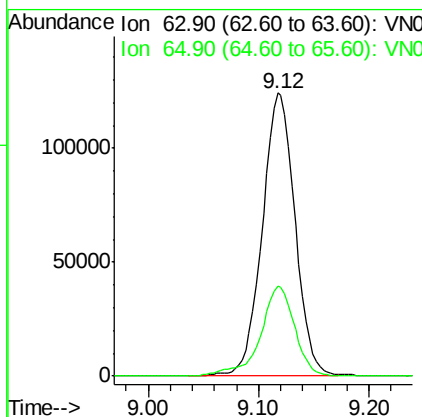
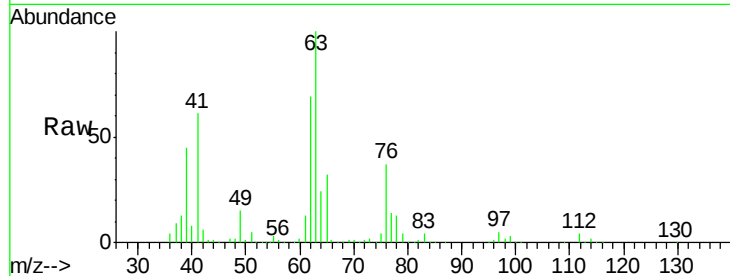
#45
 1,2-Dichloropropane
 Concen: 48.842 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055047.D
 Acq: 15 Apr 2019 16:51

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

Tot Ion: 63 Resp: 255410
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.4 36.6

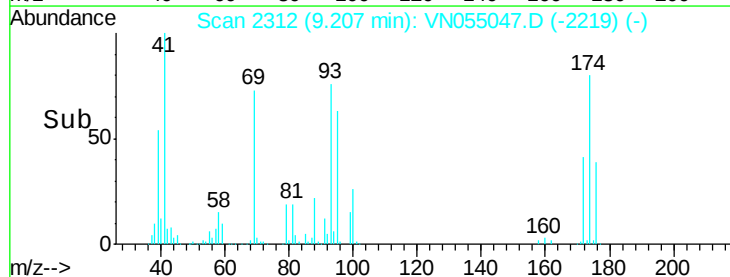
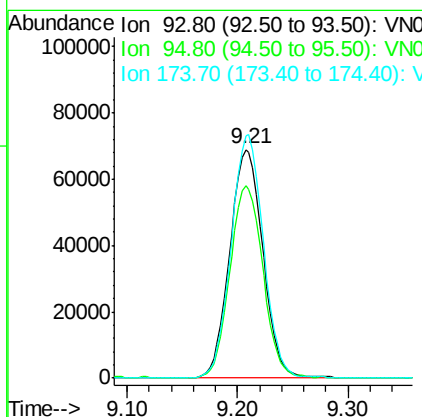
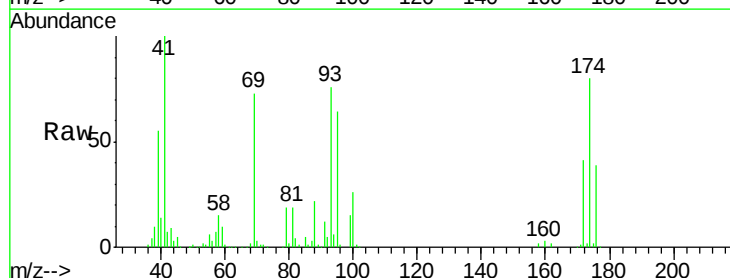
Manual Integrations
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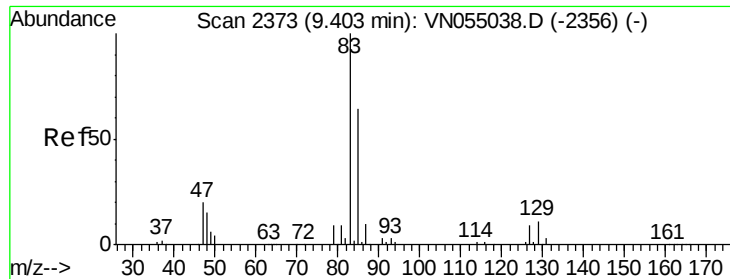
MMDadoda
 4/17/2019 10:06:47 AM



#46
 Dibromomethane
 Concen: 48.338 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055047.D
 Acq: 15 Apr 2019 16:51

Tgt Ion: 93 Resp: 143876
 Ion Ratio Lower Upper
 93 100
 95 84.1 65.0 97.6
 174 103.8 81.0 121.6





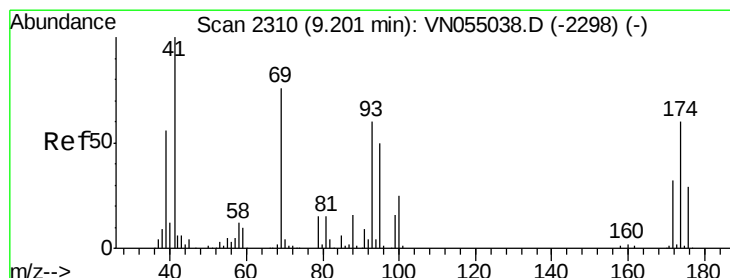
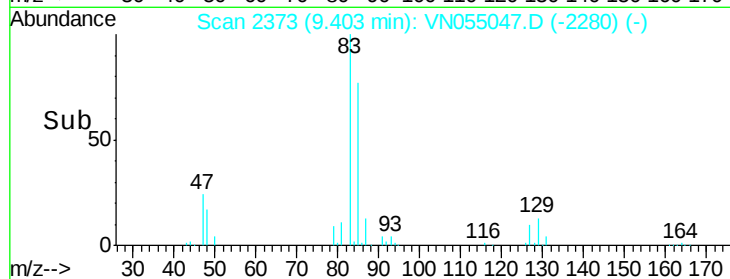
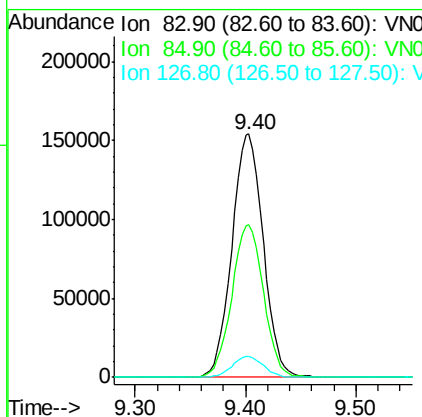
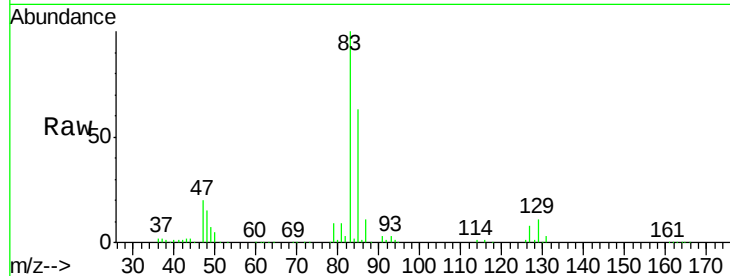
#47
Bromodichloromethane
Concen: 49.463 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	303535		
85	62.8		51.2	76.8
127	8.4		6.8	10.2

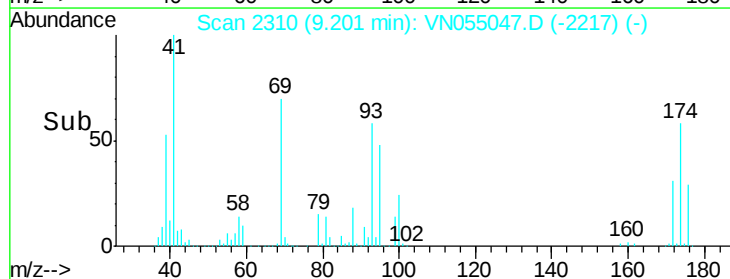
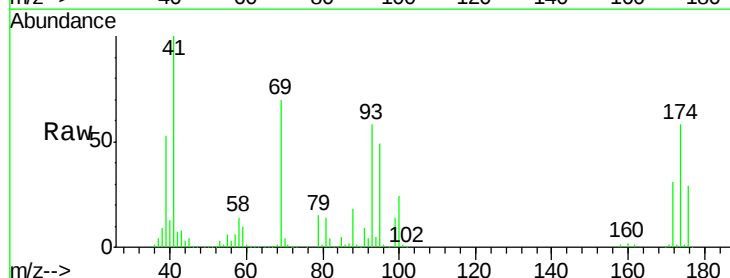
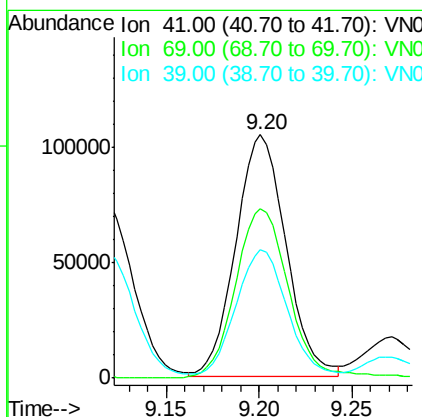
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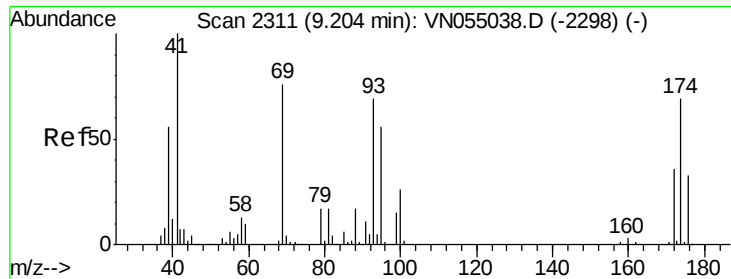
MMDadoda
4/17/2019 10:06:47 AM



#48
Methyl methacrylate
Concen: 50.885 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	196838		
69	74.7		60.5	90.7
39	53.9		43.9	65.9





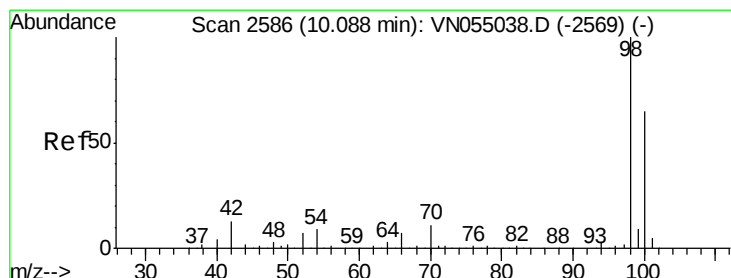
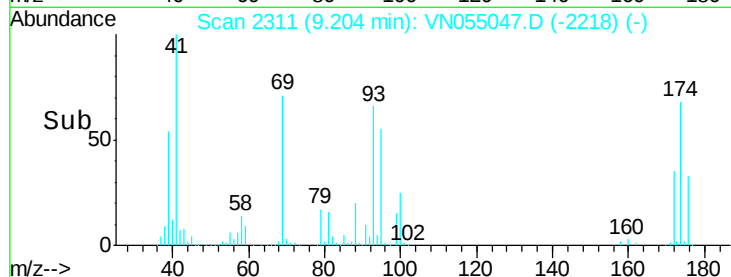
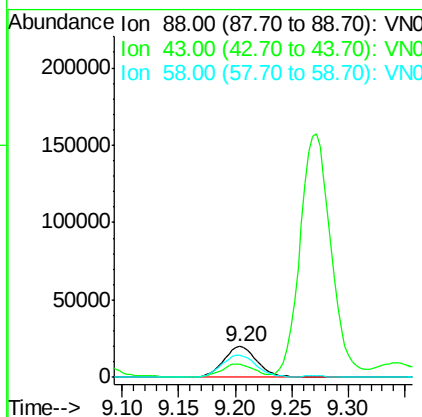
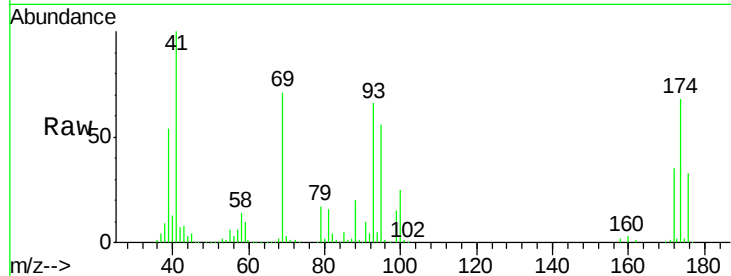
#49
1,4-Dioxane
Concen: 1147.936 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	41603
Ion	Ratio	Lower	Upper
88	100		
43	39.6	31.8	47.8
58	73.2	61.6	92.4

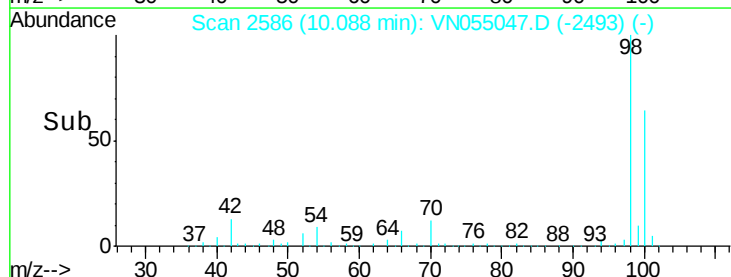
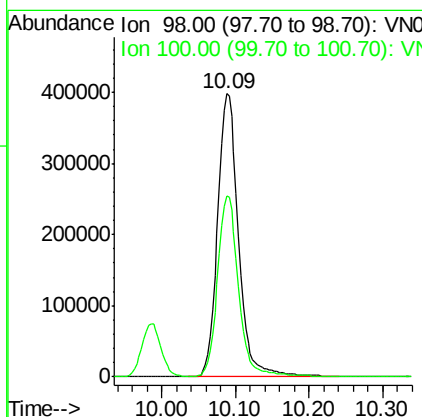
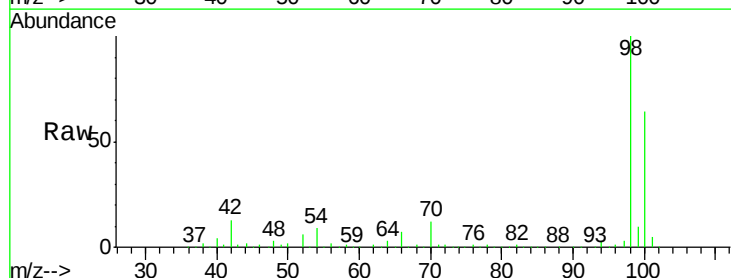
Manual Integrations
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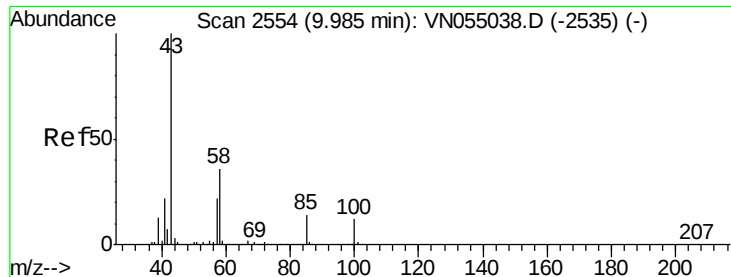
MMDadoda
4/17/2019 10:06:47 AM



#50
Toluene-d8
Concen: 49.718 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Tgt Ion	98	Resp	784849
Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 254.184 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1146070

Ion Ratio Lower Upper

43 100

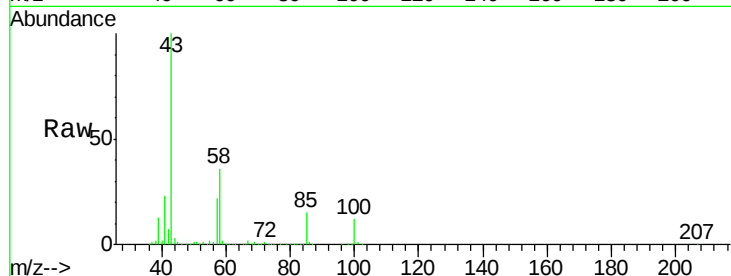
58 35.9 29.0 43.4

Manual Integrations

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MMDadoda

4/17/2019 10:06:47 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

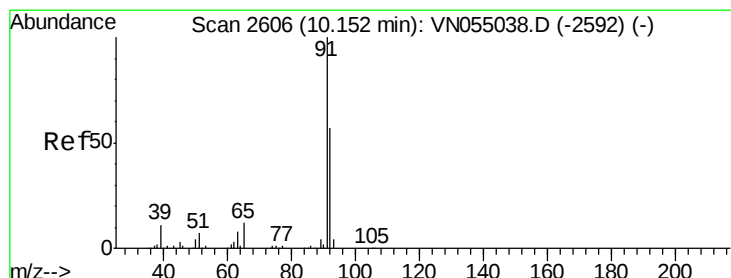
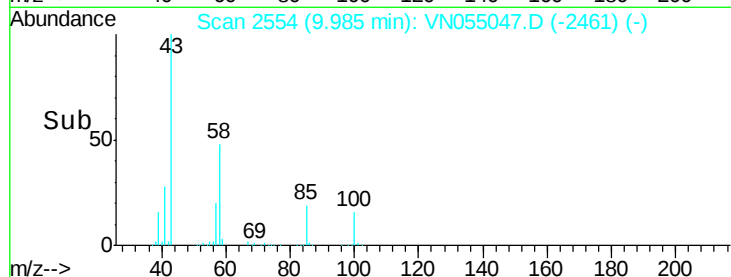
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 51.176 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055047.D

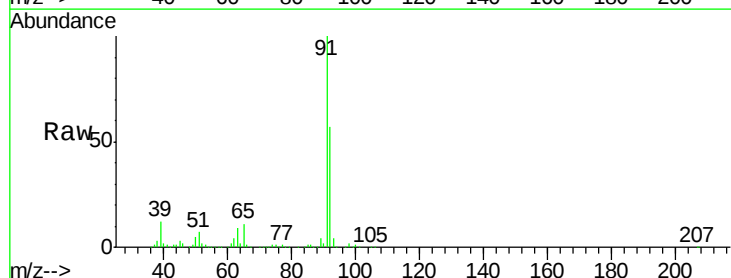
Acq: 15 Apr 2019 16:51

Tgt Ion: 92 Resp: 549593

Ion Ratio Lower Upper

92 100

91 174.8 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

500000

400000

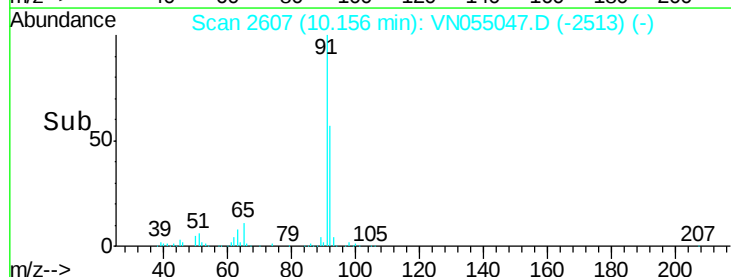
300000

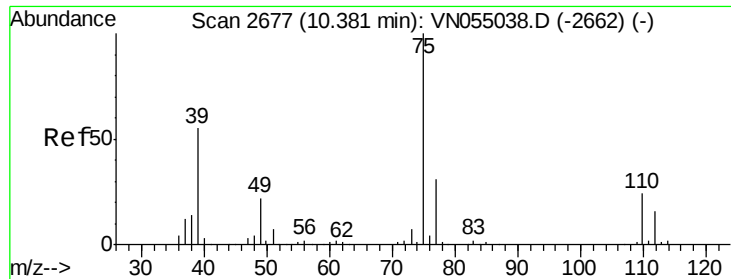
200000

100000

0

Time-->





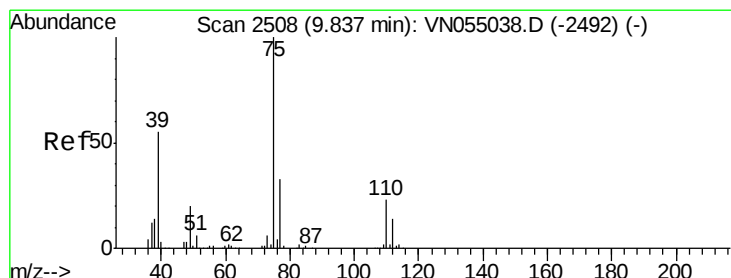
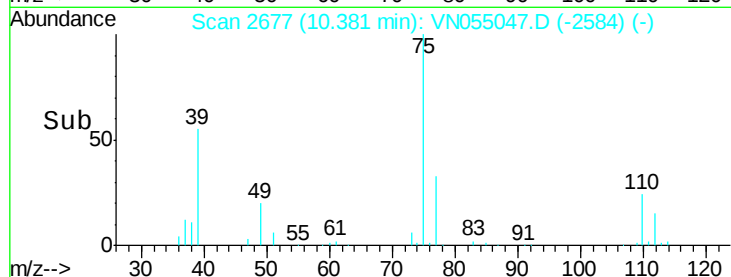
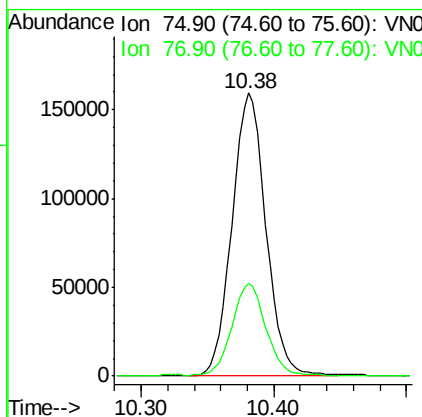
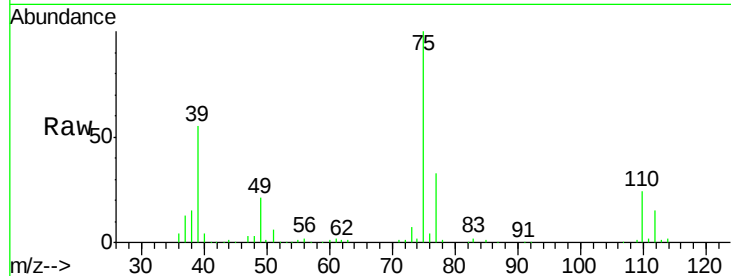
#53
 t-1,3-Dichloropropene
 Concen: 52.782 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN055047.D
 Acq: 15 Apr 2019 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 283064
 Ion Ratio Lower Upper
 75 100
 77 32.6 24.6 37.0

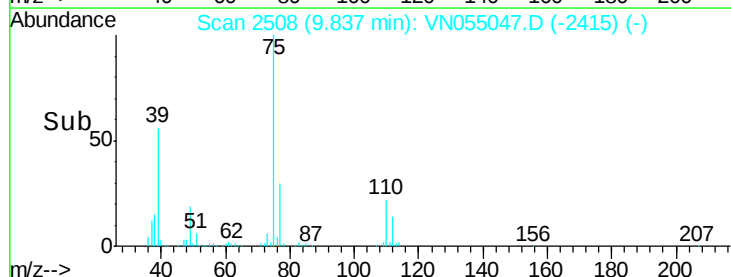
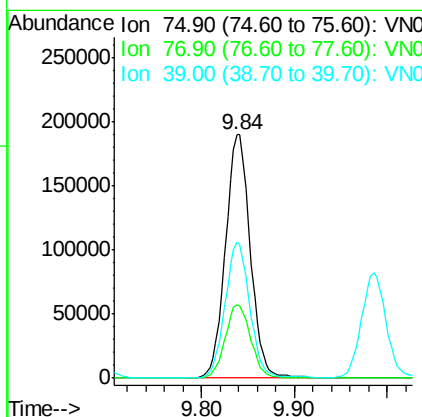
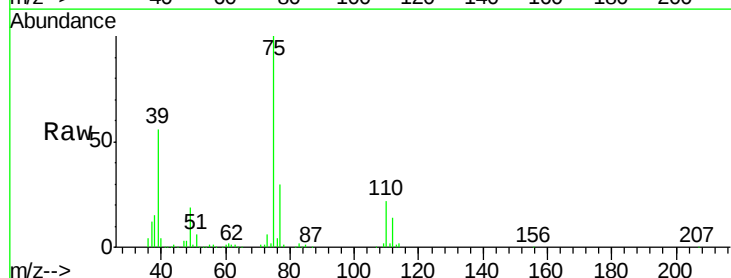
Manual Integrations
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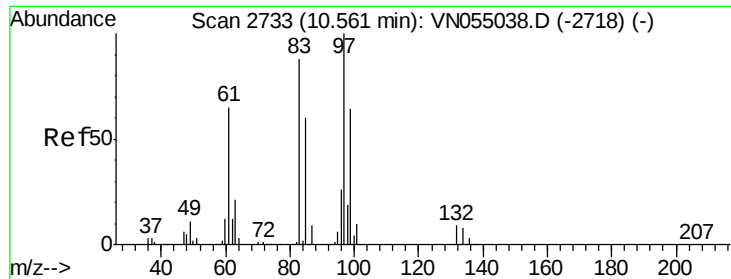
MMDadoda
 4/17/2019 10:06:47 AM



#54
 cis-1,3-Dichloropropene
 Concen: 52.981 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN055047.D
 Acq: 15 Apr 2019 16:51

Tgt Ion: 75 Resp: 352647
 Ion Ratio Lower Upper
 75 100
 77 30.2 25.8 38.6
 39 55.6 43.8 65.8





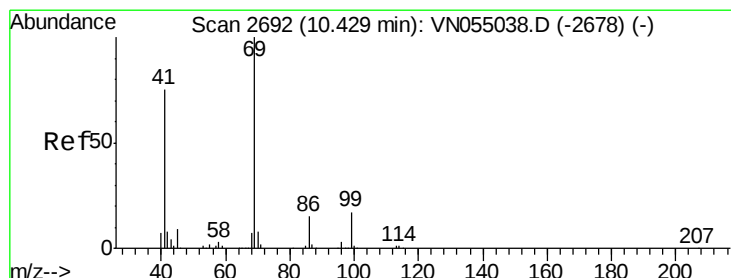
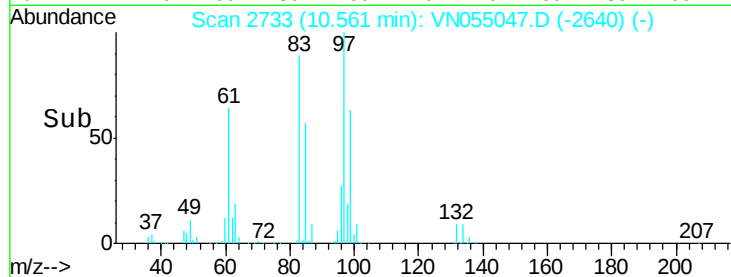
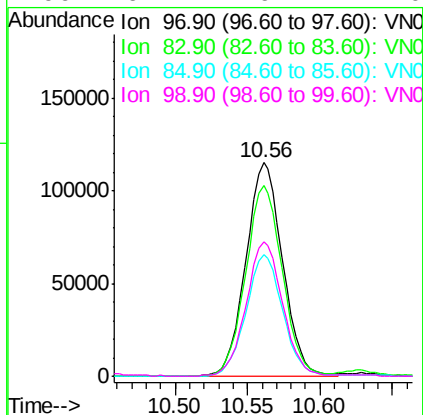
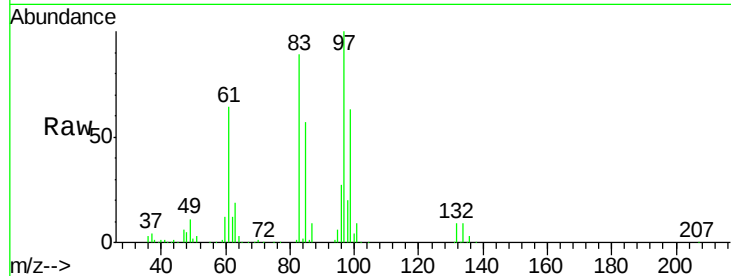
#55
 1,1,2-Trichloroethane
 Concen: 49.100 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055047.D
 Acq: 15 Apr 2019 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	203155
Ion	Ratio	Lower	Upper
97	100		
83	89.4	70.5	105.7
85	56.8	45.5	68.3
99	62.7	49.4	74.0

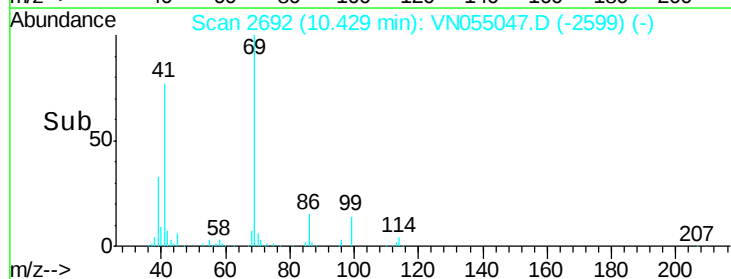
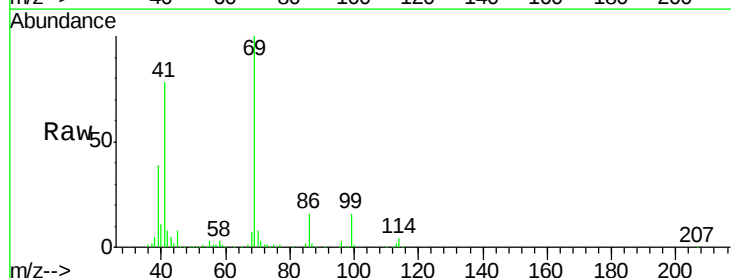
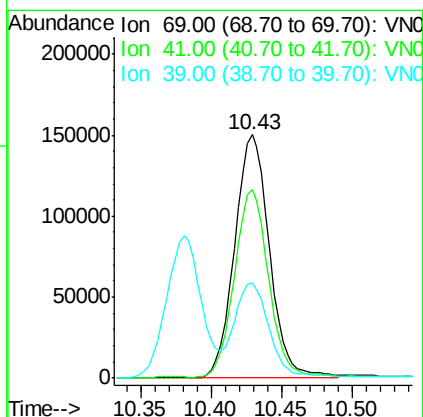
Manual Integrations
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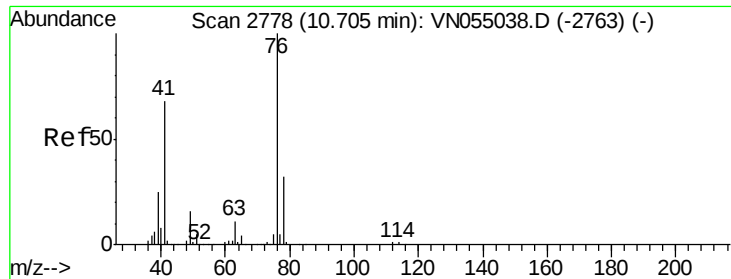
MMDadoda
 4/17/2019 10:06:47 AM



#56
 Ethyl methacrylate
 Concen: 52.503 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055047.D
 Acq: 15 Apr 2019 16:51

Tgt Ion:	69	Resp:	260709
Ion	Ratio	Lower	Upper
69	100		
41	75.5	61.4	92.0
39	39.2	30.8	46.2





#57

1,3-Dichloropropane

Concen: 50.750 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 357512

Ion Ratio Lower Upper

76 100

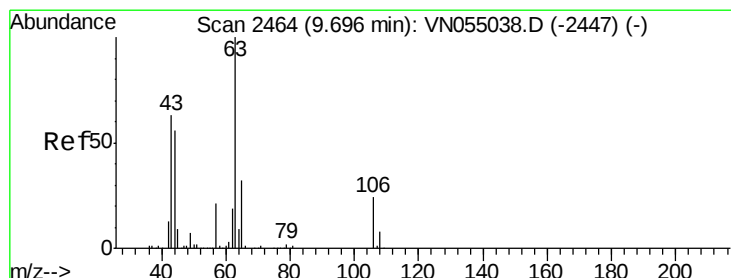
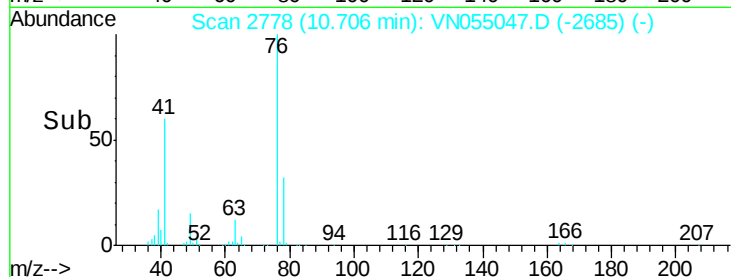
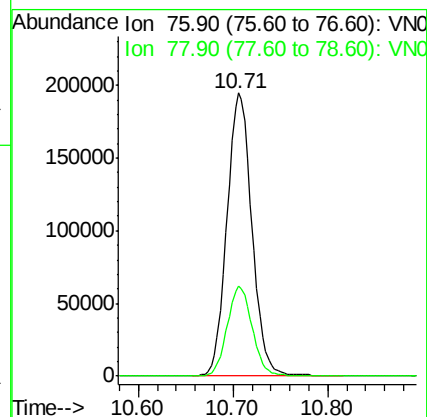
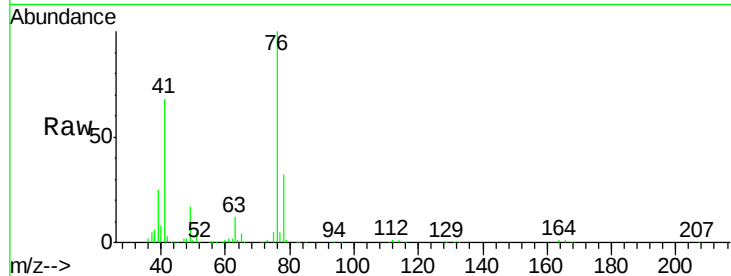
78 31.9 25.6 38.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 228.634 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN055047.D

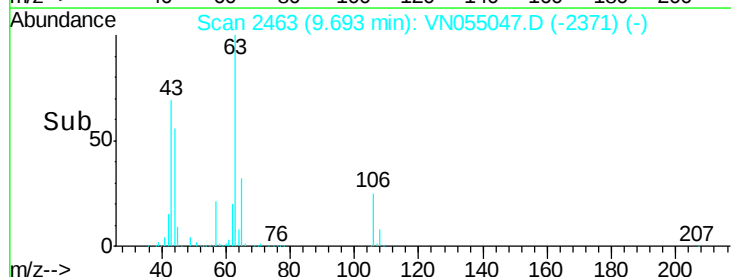
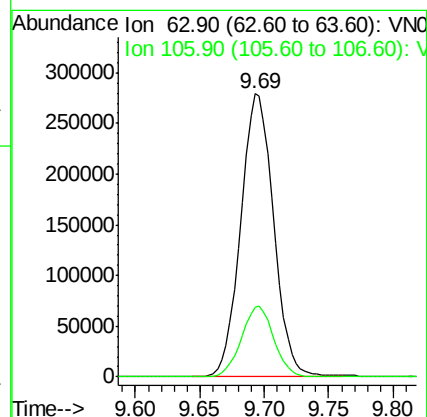
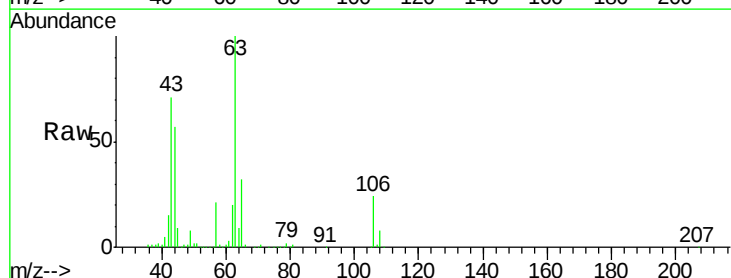
Acq: 15 Apr 2019 16:51

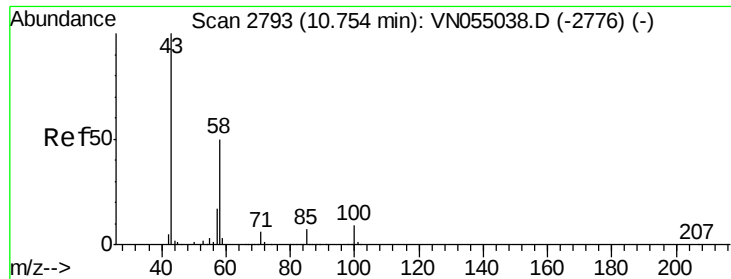
Tgt Ion: 63 Resp: 496563

Ion Ratio Lower Upper

63 100

106 24.6 20.0 30.0





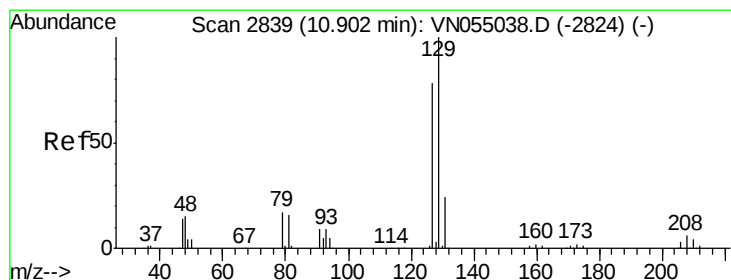
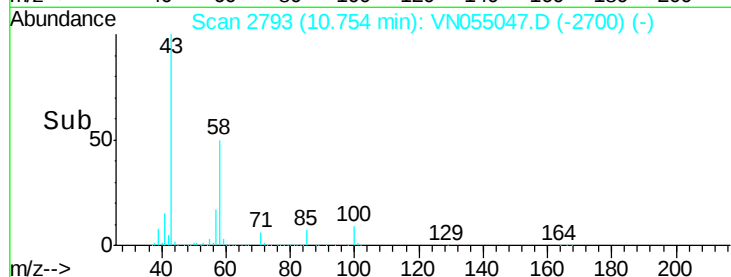
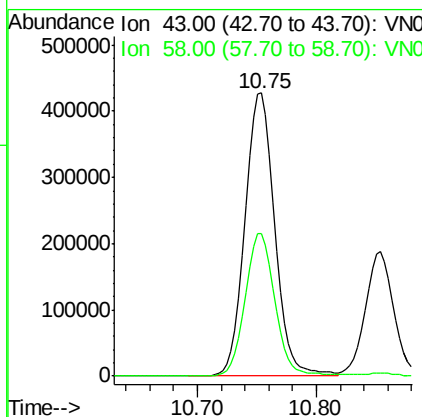
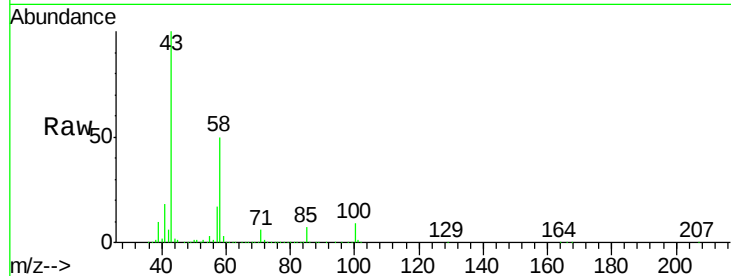
#59
2-Hexanone
Concen: 261.628 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 740920
Ion Ratio Lower Upper
43 100
58 50.5 25.1 75.2

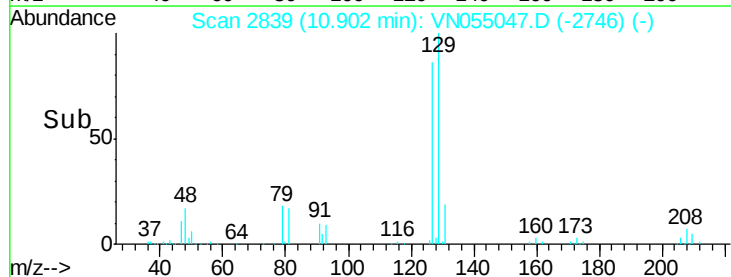
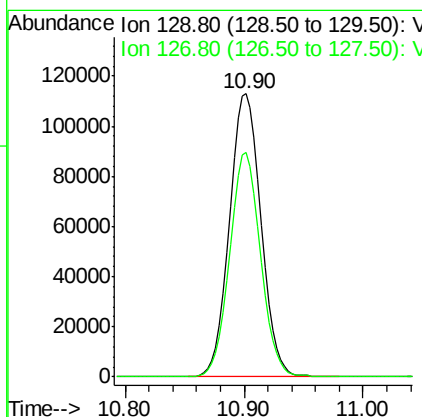
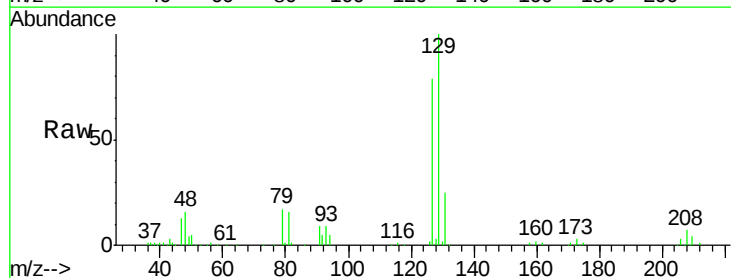
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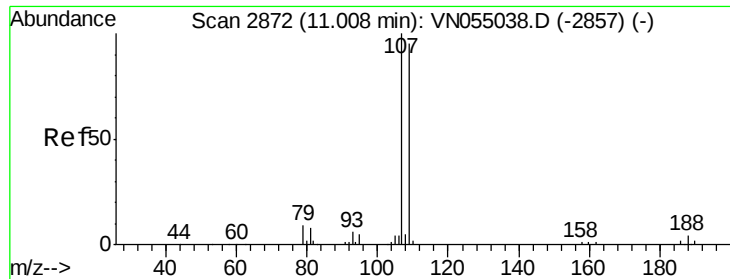
MMDadoda
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#60
Dibromochloromethane
Concen: 51.371 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Tgt Ion: 129 Resp: 207556
Ion Ratio Lower Upper
129 100
127 77.8 38.2 114.6





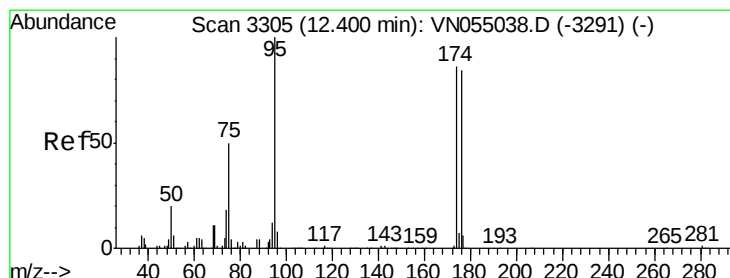
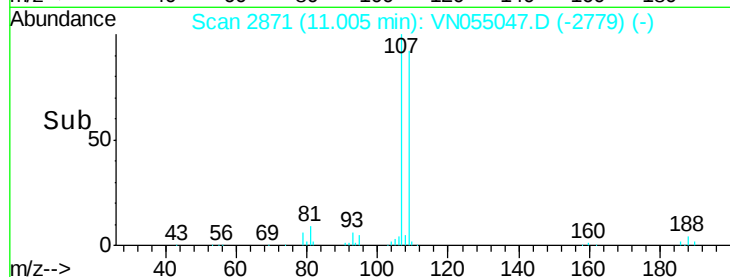
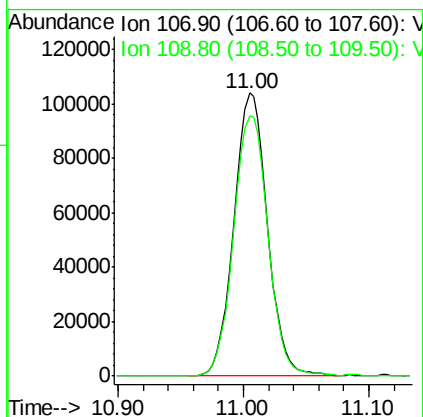
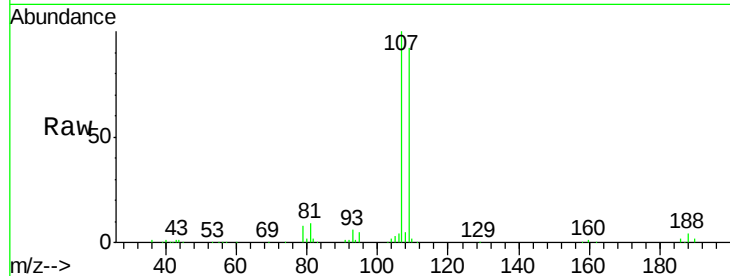
#61
 1,2-Dibromoethane
 Concen: 50.821 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN055047.D
 Acq: 15 Apr 2019 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	76.5	114.7

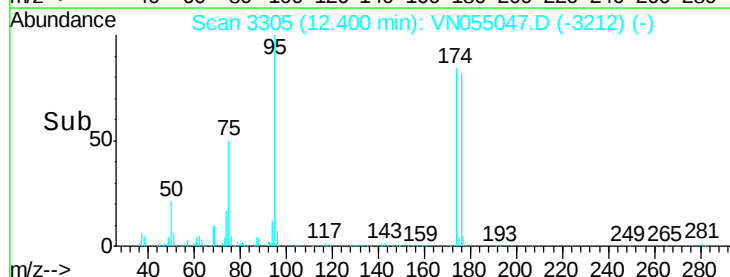
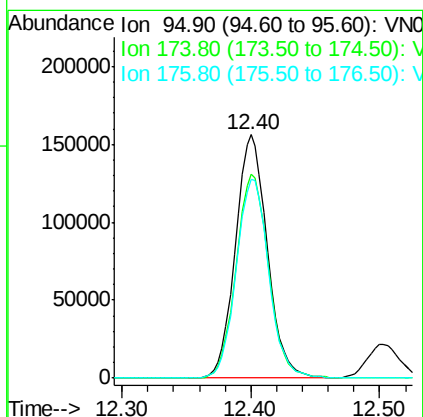
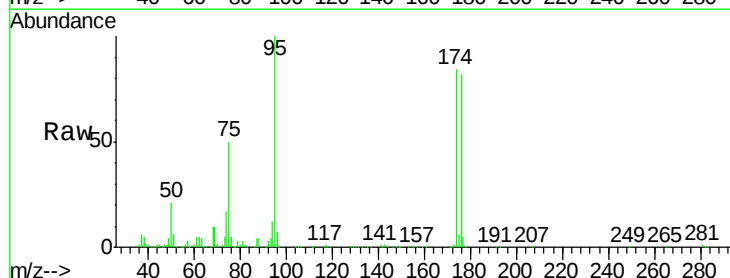
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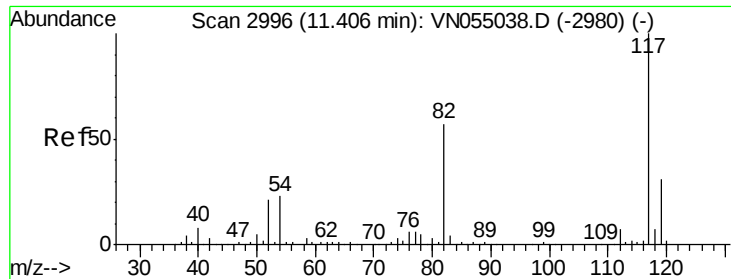
MMDadoda
 4/17/2019 10:06:47 AM



#62
 4-Bromofluorobenzene
 Concen: 52.221 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055047.D
 Acq: 15 Apr 2019 16:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.5	0.0	174.4
176	83.3	0.0	166.8





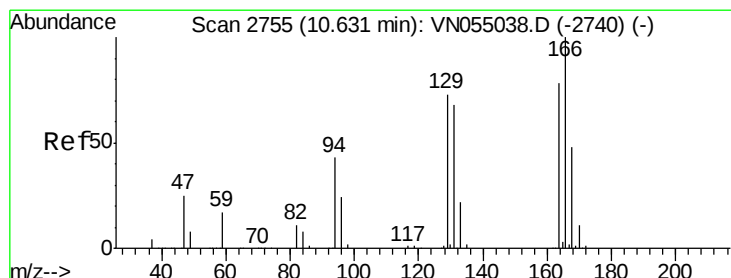
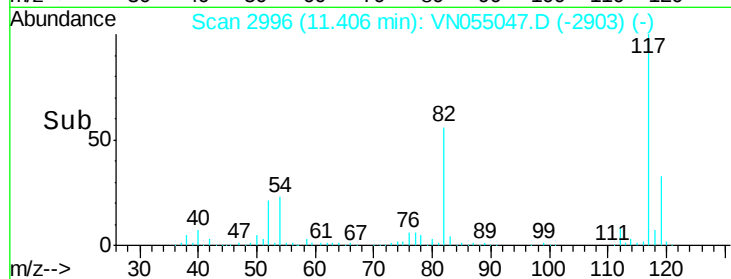
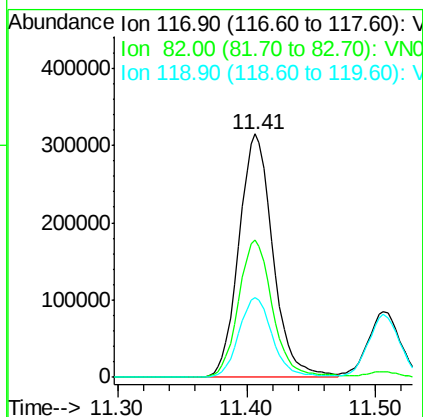
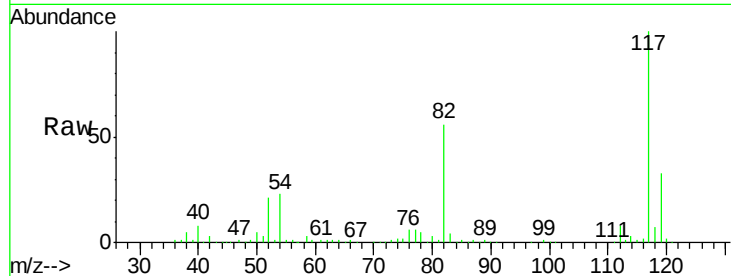
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	44.6	66.8
119	33.0	25.5	38.3

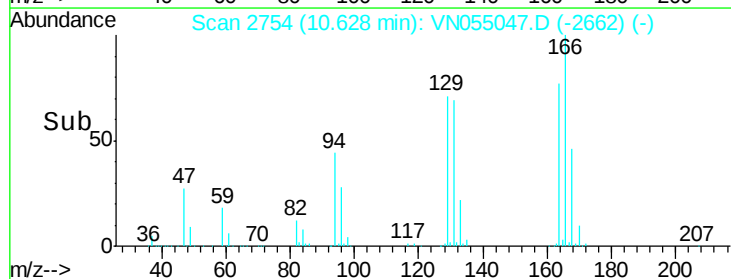
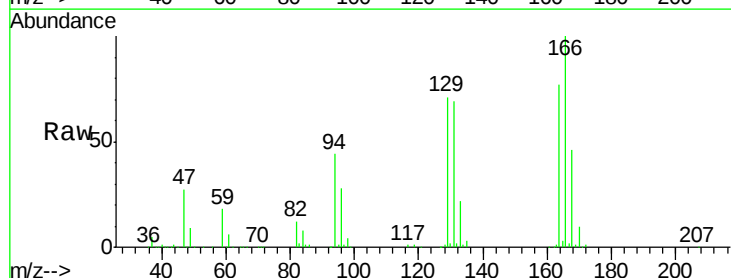
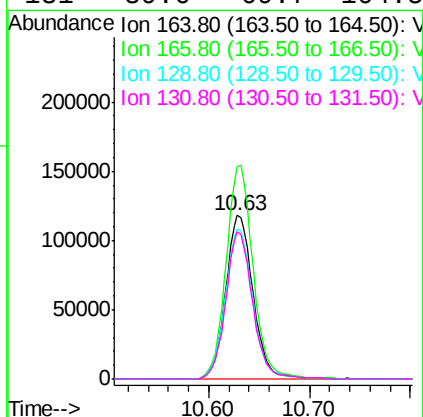
Manual Integrations
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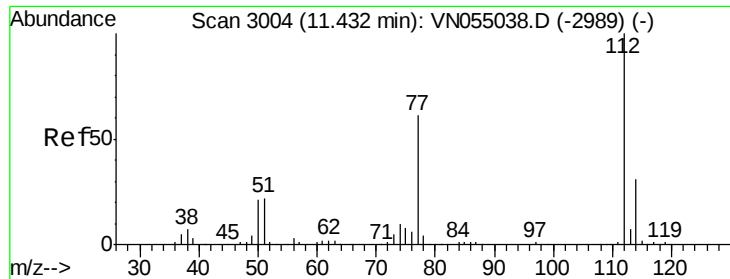
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#64
Tetrachloroethene
Concen: 47.774 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.9	100.0	150.0
129	91.9	72.0	108.0
131	89.6	69.7	104.5





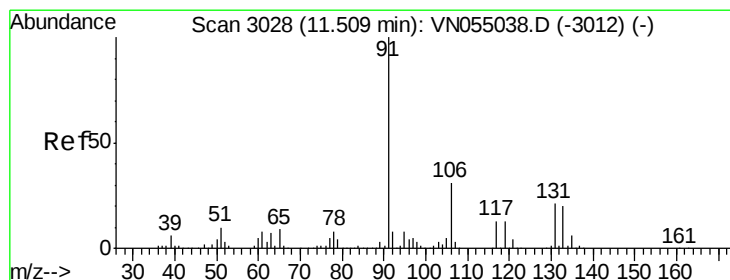
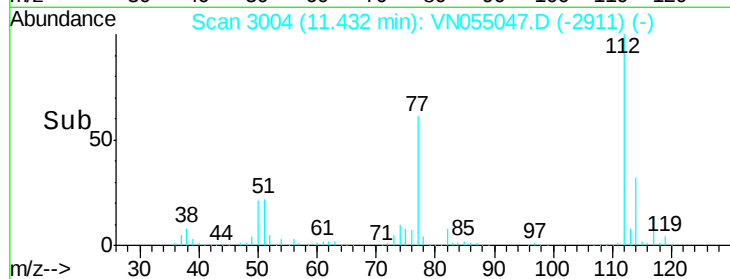
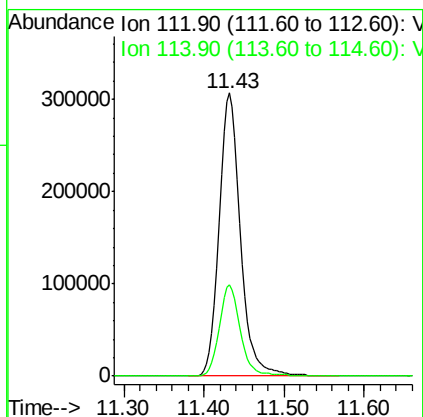
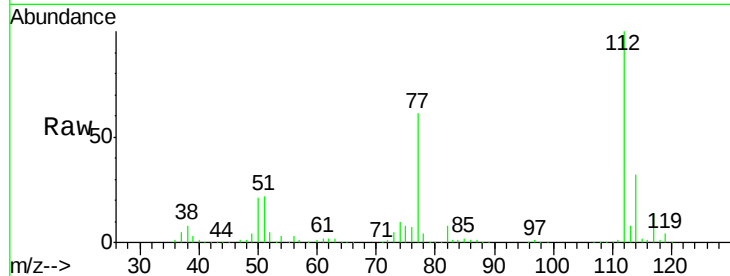
#65
Chlorobenzene
Concen: 48.703 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 567213
Ion Ratio Lower Upper
112 100
114 32.2 25.3 37.9

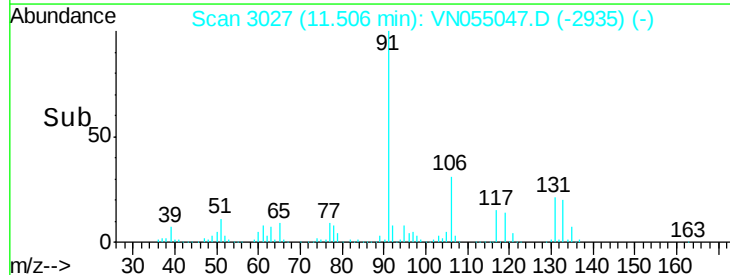
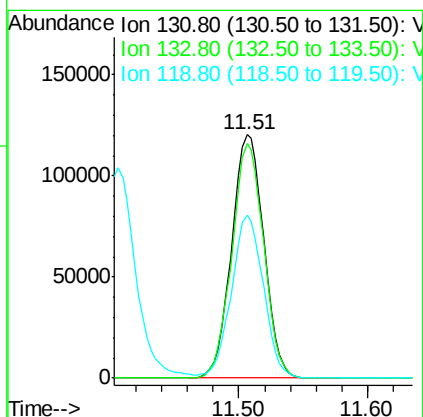
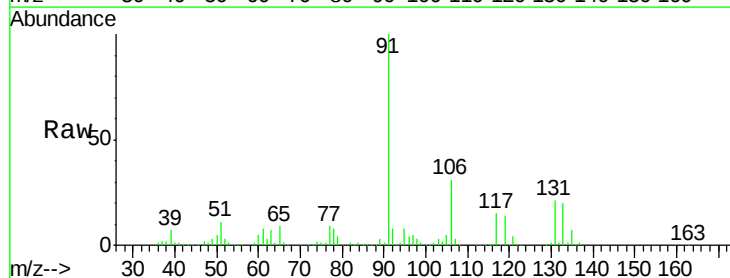
Manual Integrations
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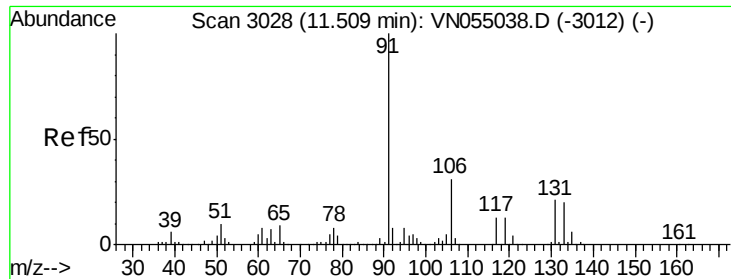
MMDadoda
4/17/2019 10:06:47 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.567 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Tgt Ion:131 Resp: 208037
Ion Ratio Lower Upper
131 100
133 95.5 47.8 143.3
119 66.9 33.6 100.6





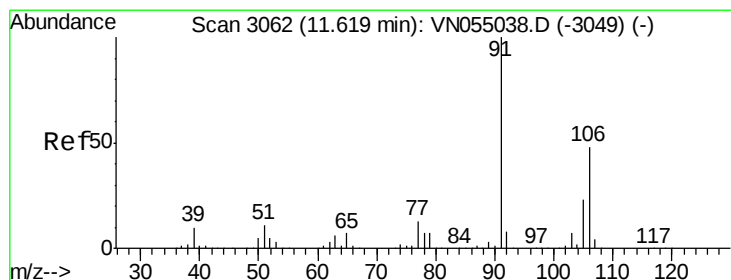
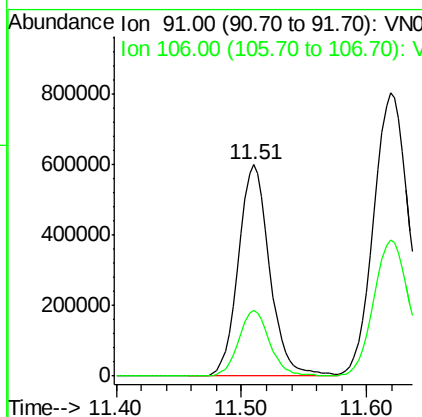
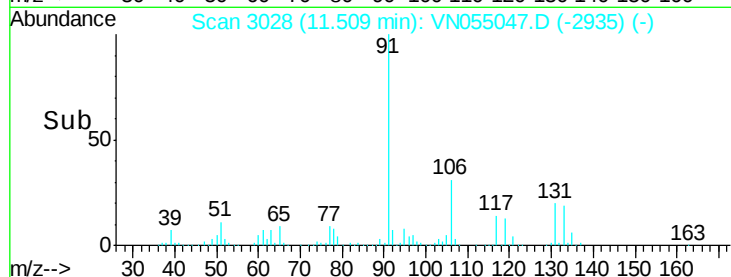
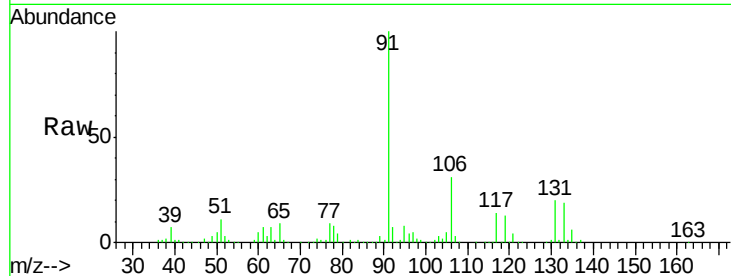
#67
Ethyl Benzene
Concen: 50.239 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1044877
Ion Ratio Lower Upper
91 100
106 31.3 24.3 36.5

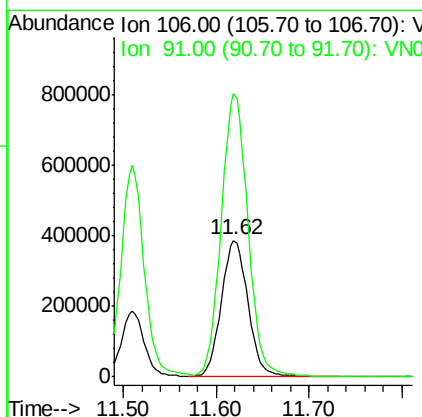
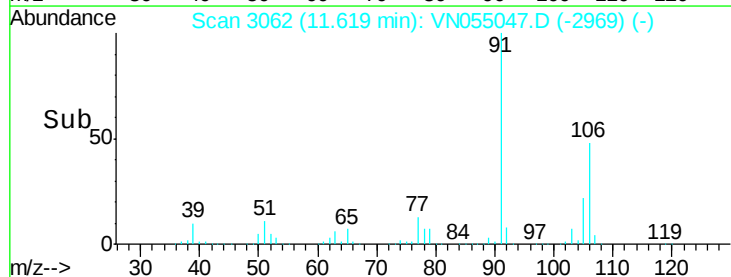
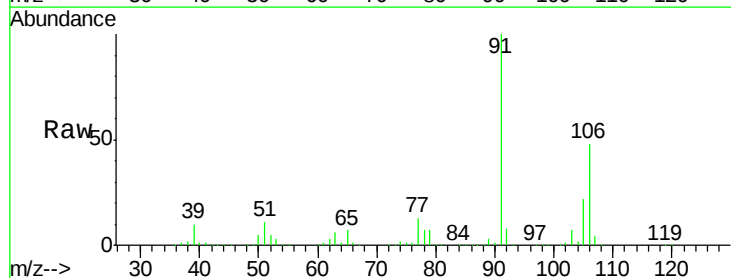
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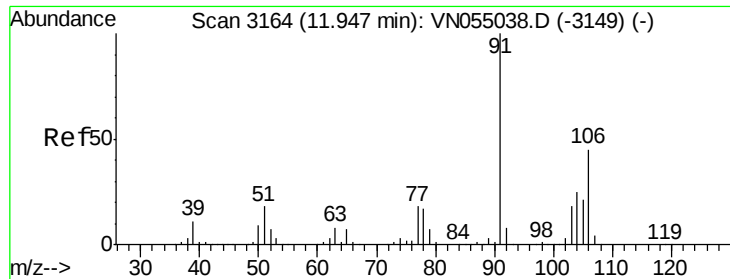
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4/17/2019 10:06:47 AM



#68
m/p-Xylenes
Concen: 103.278 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Tgt Ion: 106 Resp: 777822
Ion Ratio Lower Upper
106 100
91 207.3 165.9 248.9





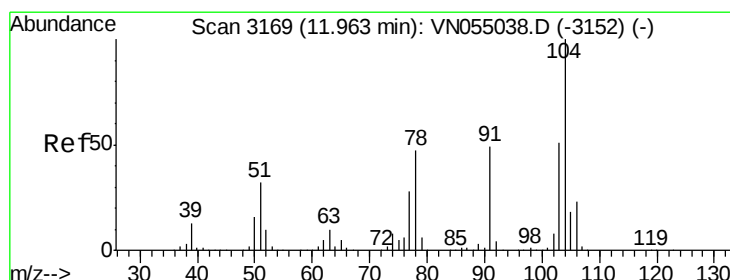
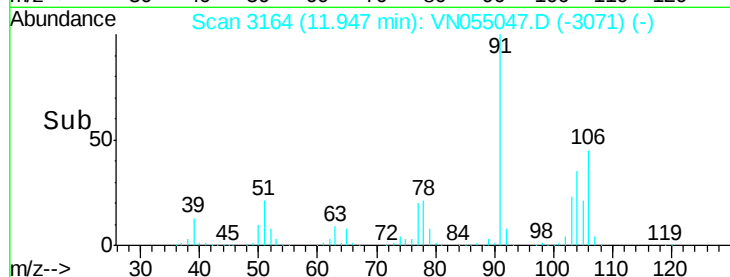
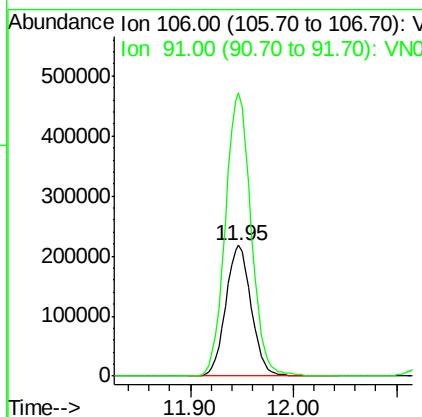
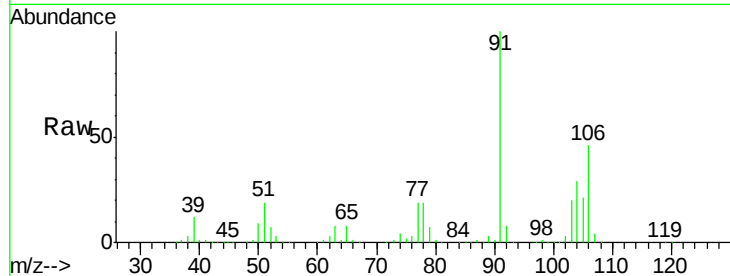
#69
o-Xylene
Concen: 51.530 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 375890
Ion Ratio Lower Upper
106 100
91 218.5 109.9 329.8

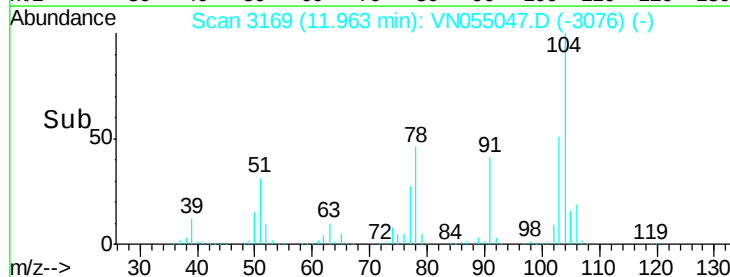
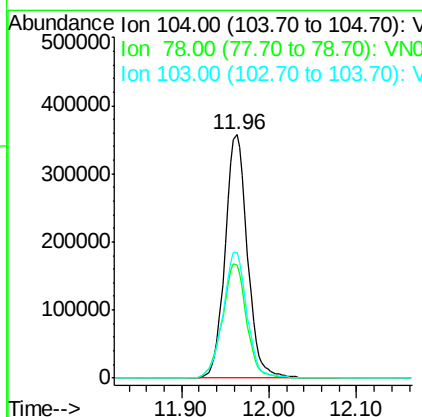
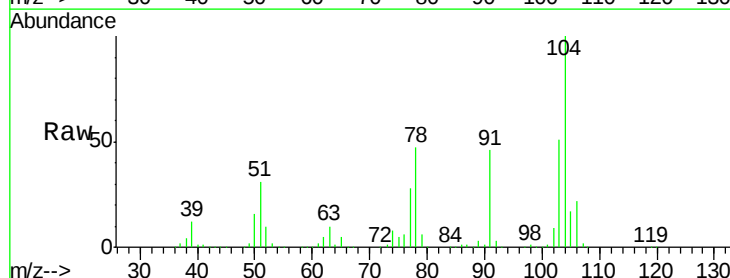
Manual Integrations
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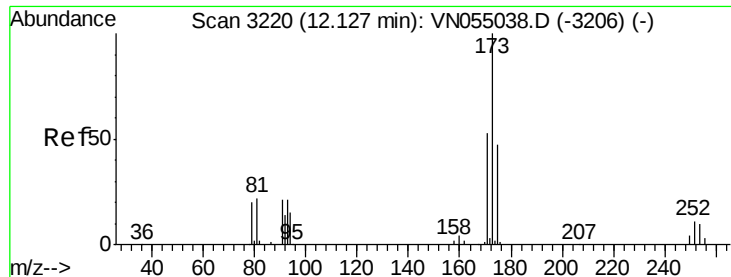
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#70
Styrene
Concen: 53.581 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Tgt Ion:104 Resp: 632669
Ion Ratio Lower Upper
104 100
78 50.9 40.3 60.5
103 55.5 44.3 66.5





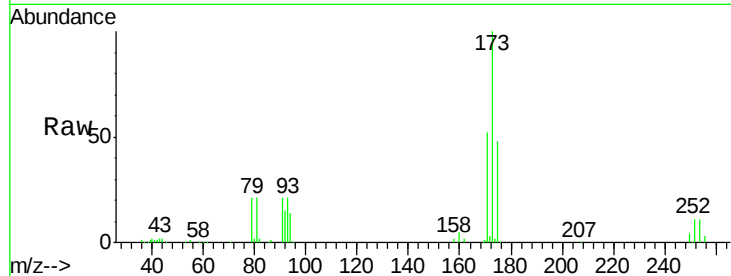
#71
Bromoform
Concen: 52.970 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

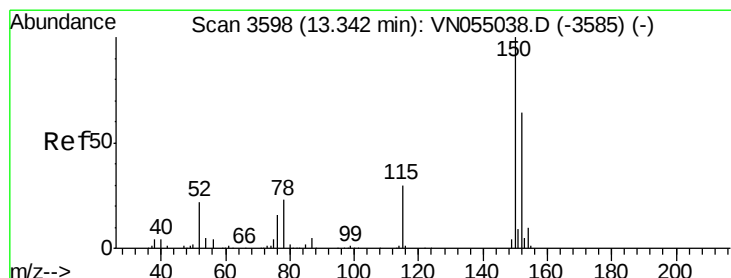
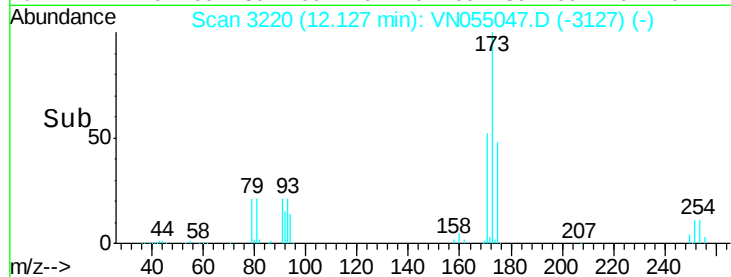
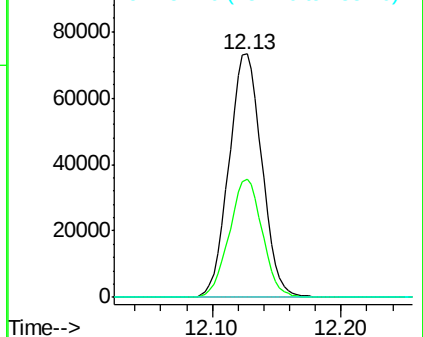
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.3	73.0
254	0.0	0.1	0.1#

Manual Integrations
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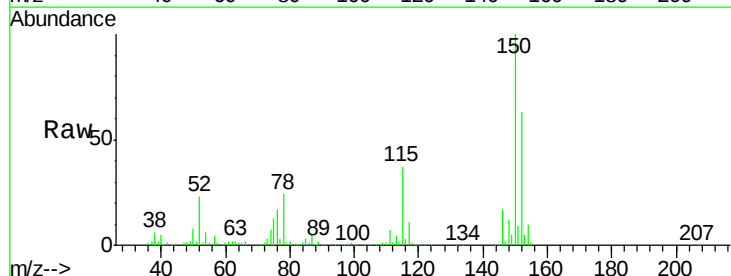


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

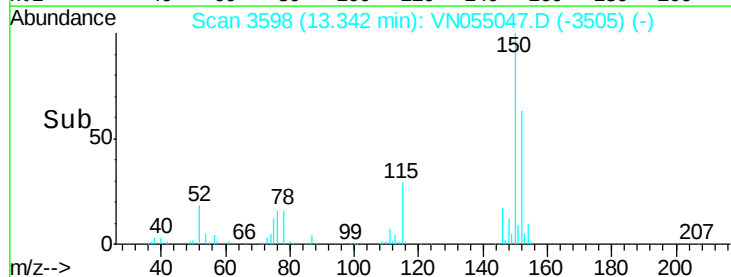
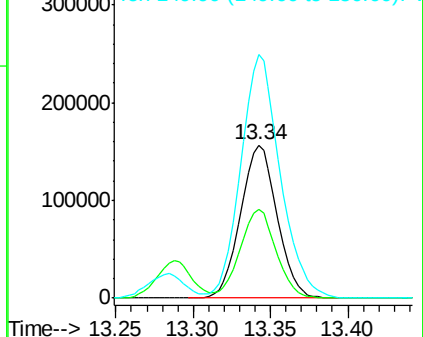


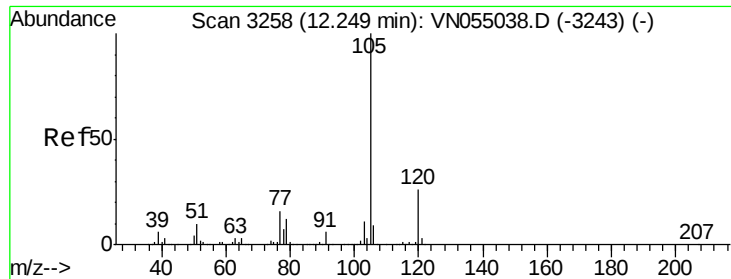
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.1	28.5	85.6
150	171.5	0.0	347.2



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





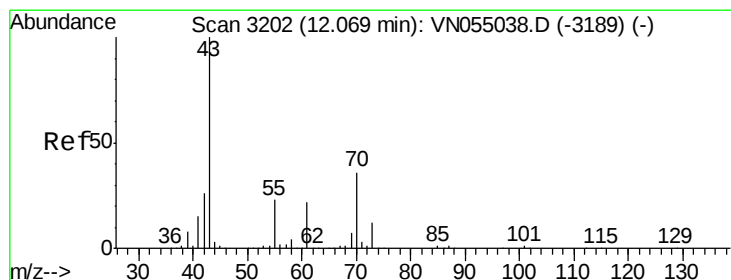
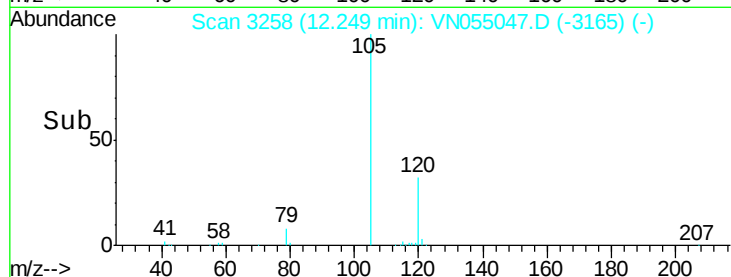
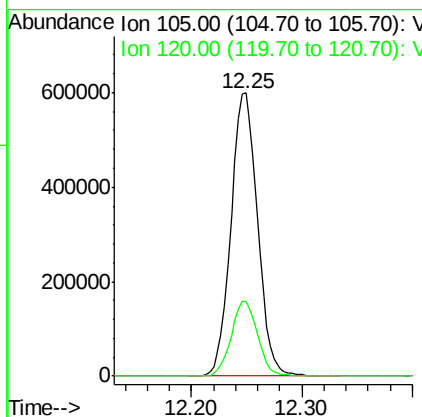
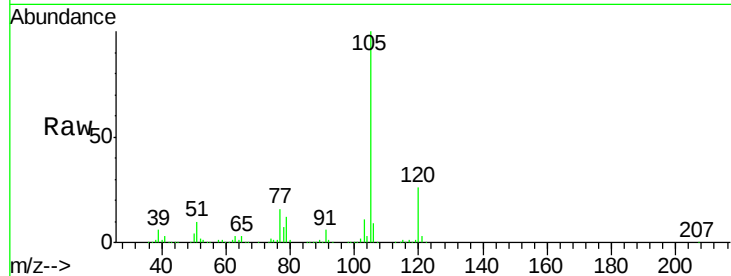
#73
Isopropylbenzene
Concen: 44.059 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 1003560
Ion Ratio Lower Upper
105 100
120 26.3 13.3 39.9

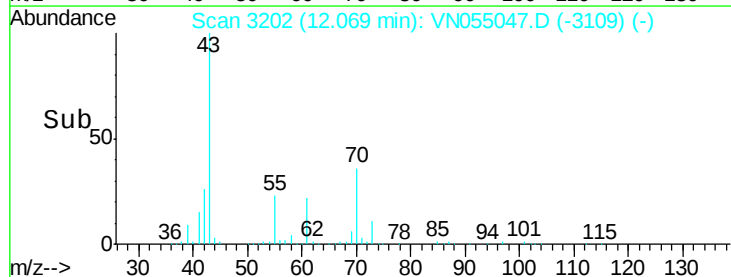
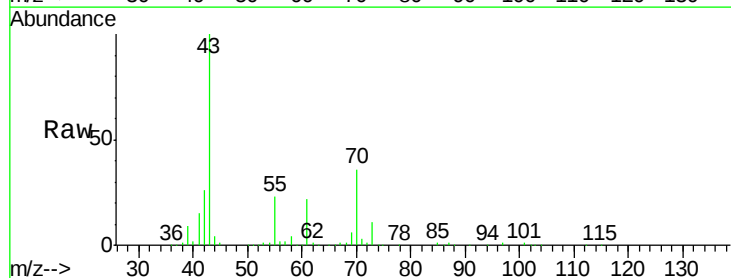
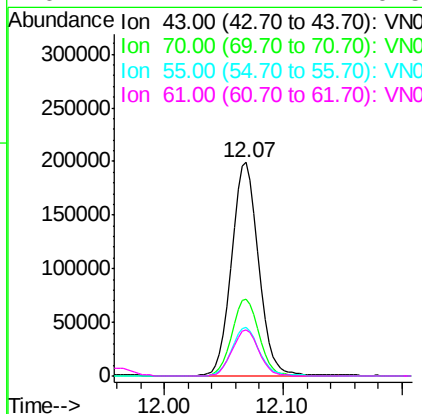
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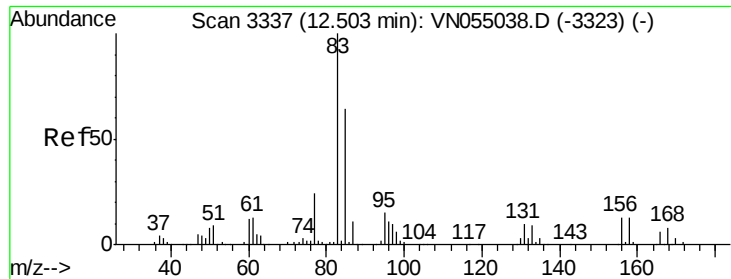
MMDadoda
4/17/2019 10:06:47 AM



#74
N-ethyl acetate
Concen: 48.695 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Tgt Ion: 43 Resp: 312228
Ion Ratio Lower Upper
43 100
70 36.7 29.4 44.0
55 23.3 19.0 28.4
61 21.7 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 41.568 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

Instrument :

MSVOA_N

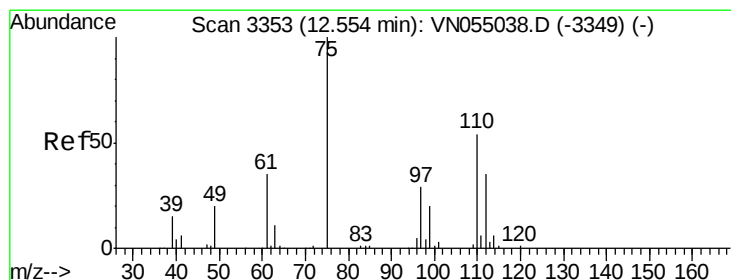
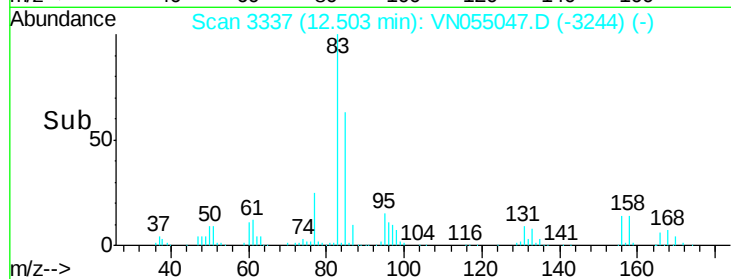
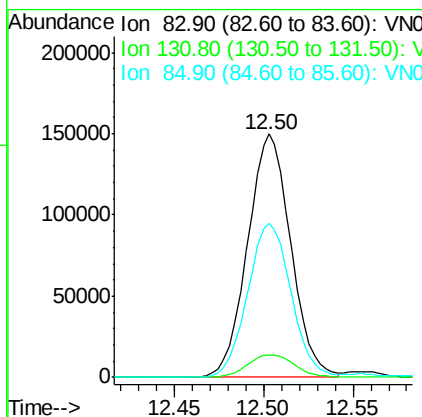
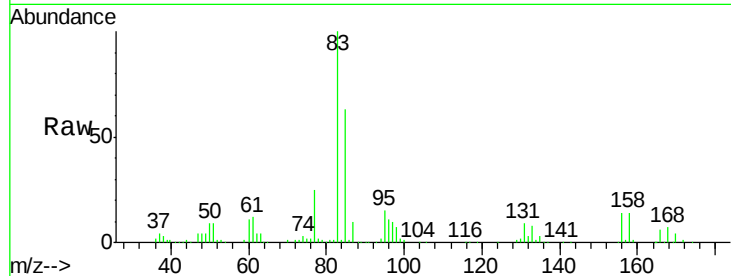
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	253354
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.0	15.0
85	64.0	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 47.422 ug/l m

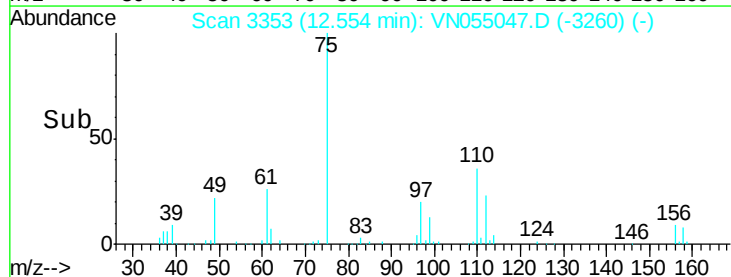
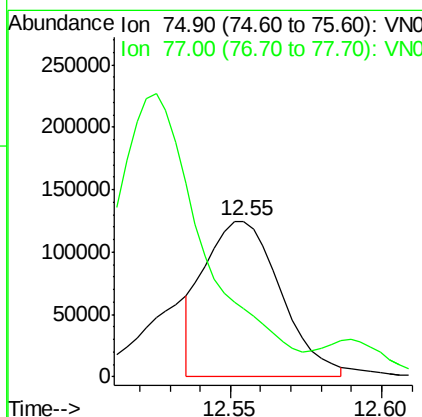
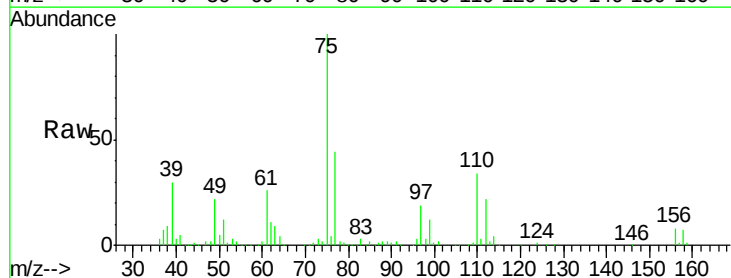
RT: 12.55 min Scan# 3353

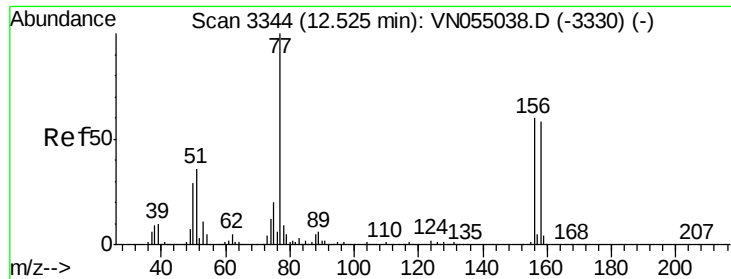
Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

Tgt Ion:	75	Resp:	218895
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 43.002 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

Instrument :

MSVOA_N

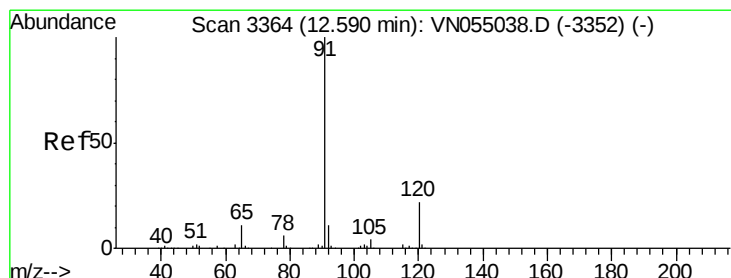
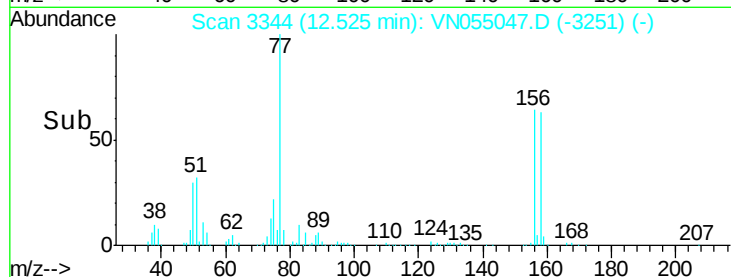
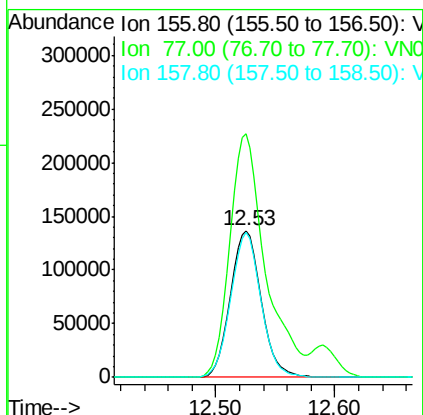
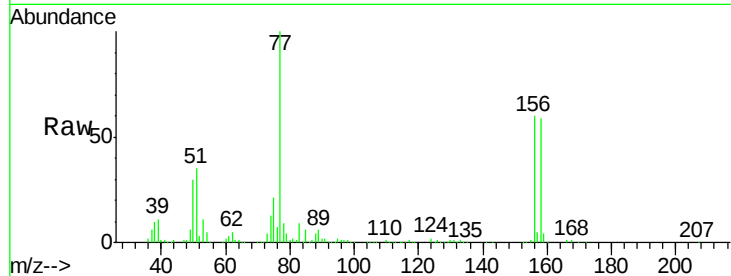
ClientSampled :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		244193		
77	192.4	97.2	291.5		
158	97.1	48.6	145.9		

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#78

n-propylbenzene

Concen: 46.231 ug/l

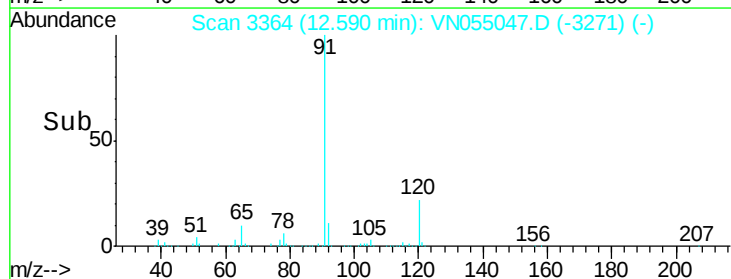
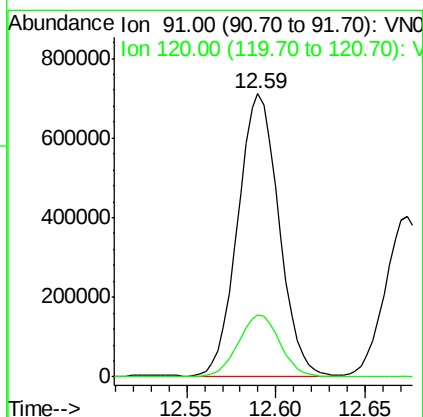
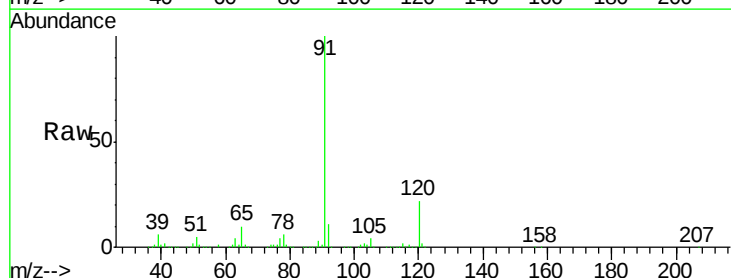
RT: 12.59 min Scan# 3364

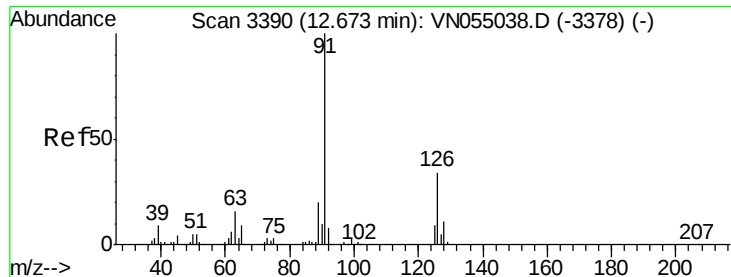
Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1137734		
120	22.4	11.2	33.5		





#79

2-Chlorotoluene

Concen: 44.519 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 683358

Ion Ratio Lower Upper

91 100

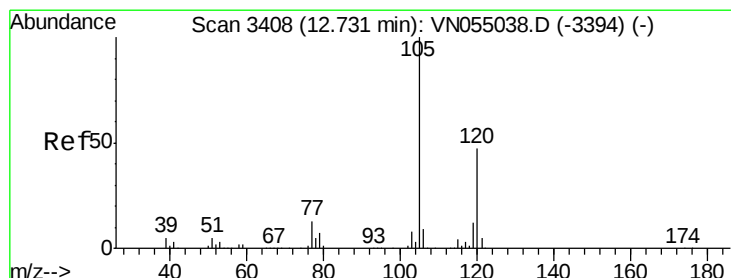
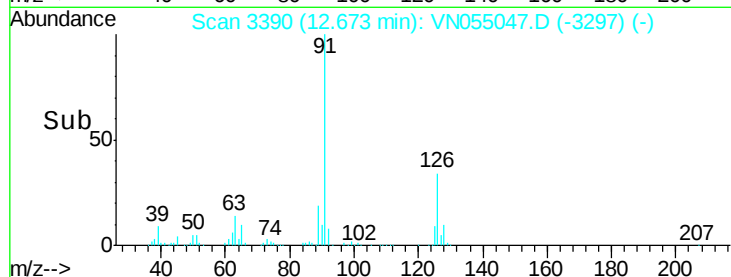
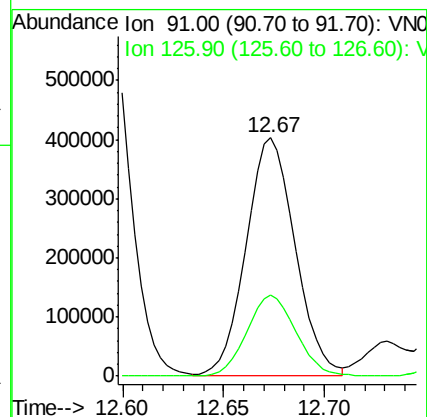
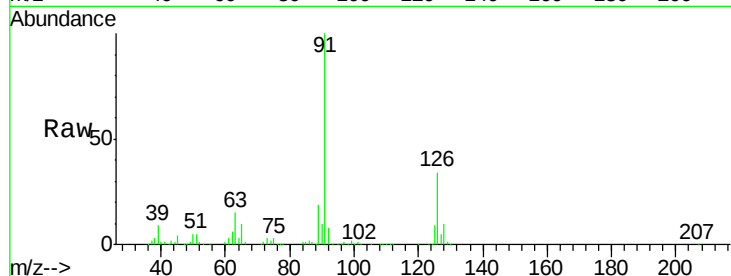
126 34.3 17.1 51.2

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#80

1,3,5-Trimethylbenzene

Concen: 45.125 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055047.D

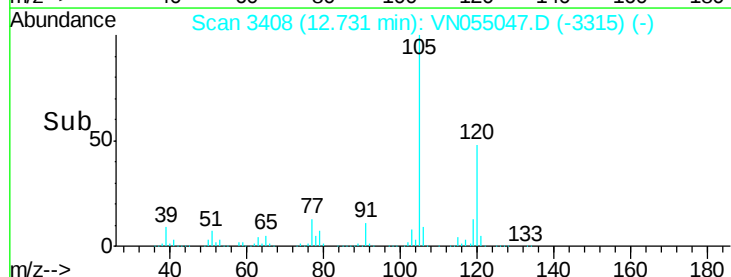
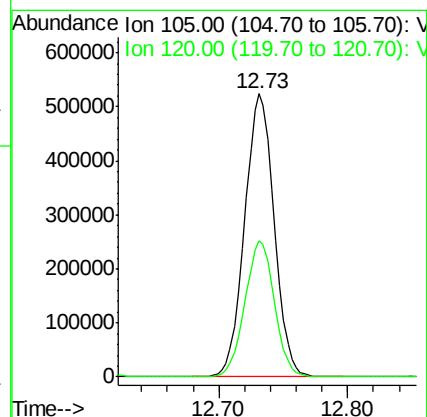
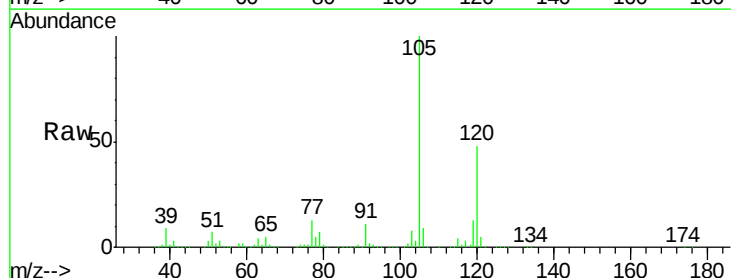
Acq: 15 Apr 2019 16:51

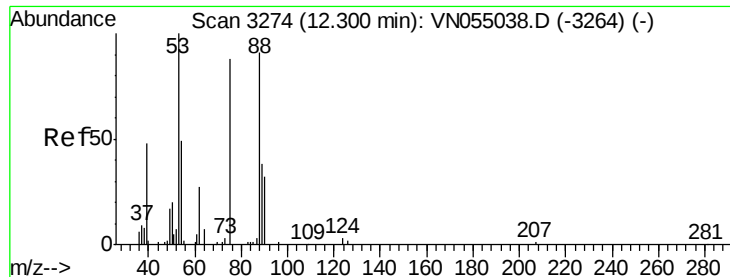
Tgt Ion: 105 Resp: 829465

Ion Ratio Lower Upper

105 100

120 48.2 24.3 72.8





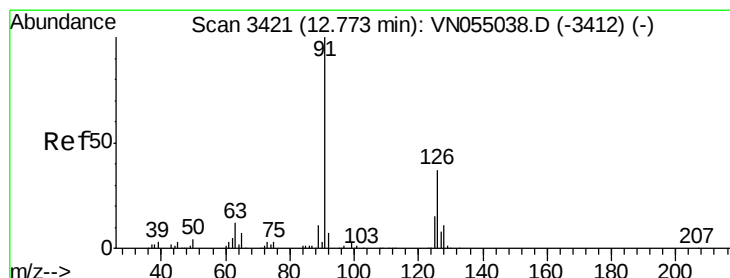
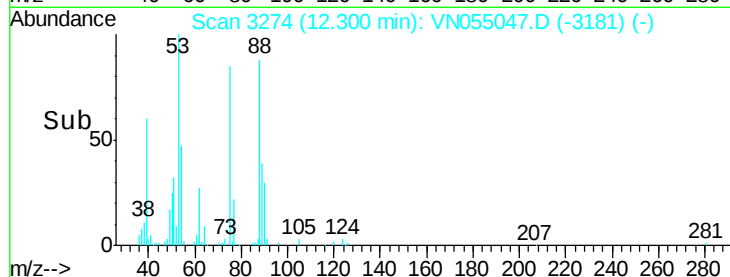
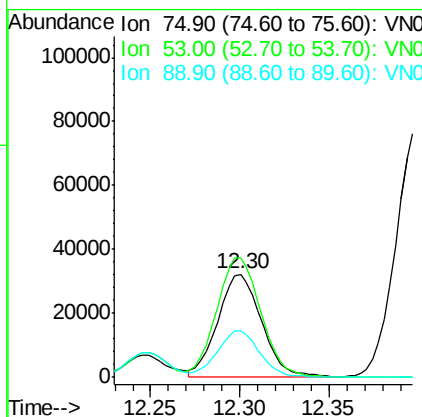
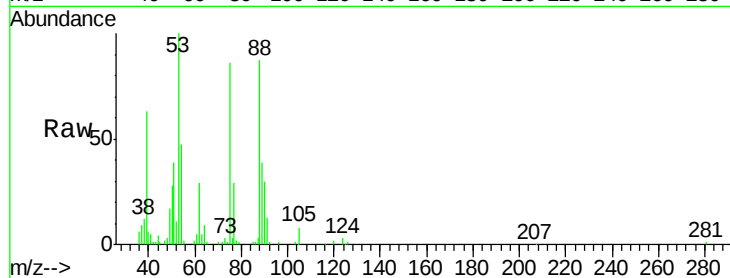
#81
trans-1,4-Dichloro-2-butene
Concen: 47.941 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	117.7	96.3	144.5
89	44.1	38.6	57.8

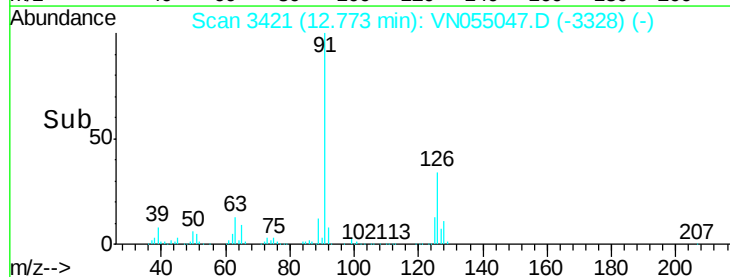
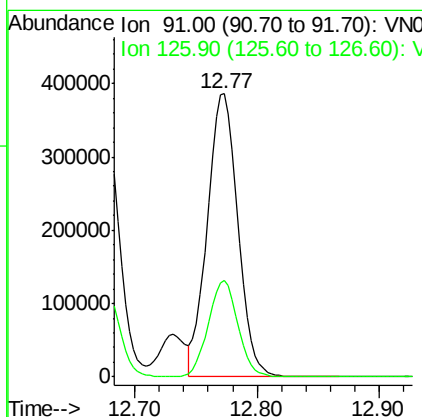
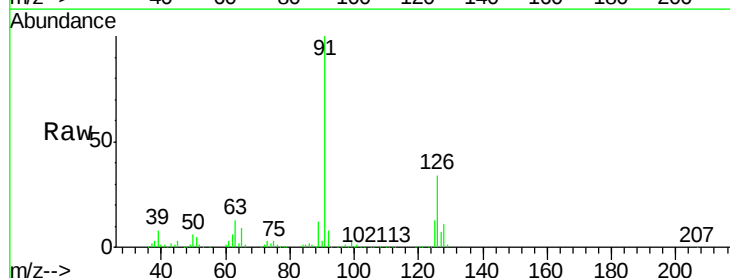
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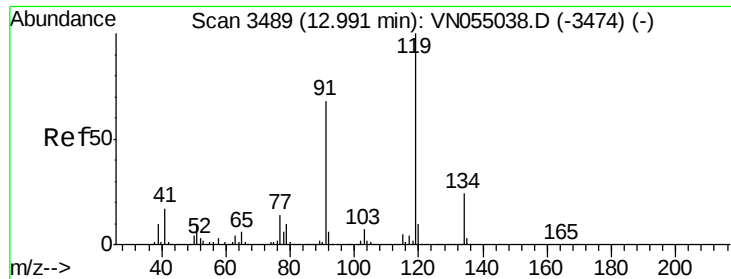
MMDadoda
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#82
4-Chlorotoluene
Concen: 47.163 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.4	49.2





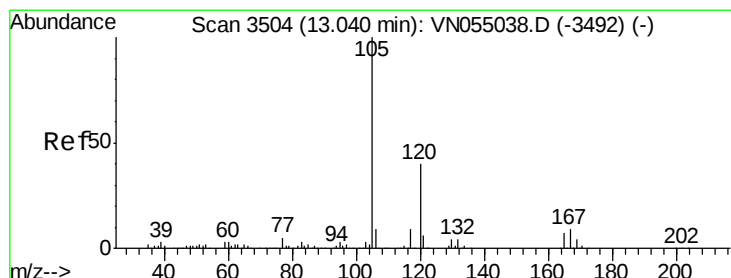
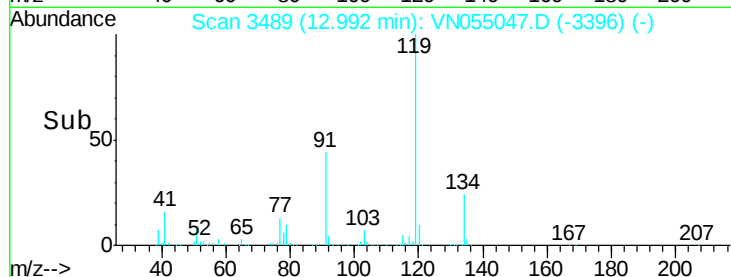
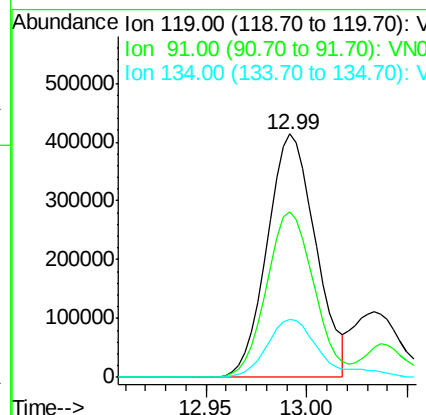
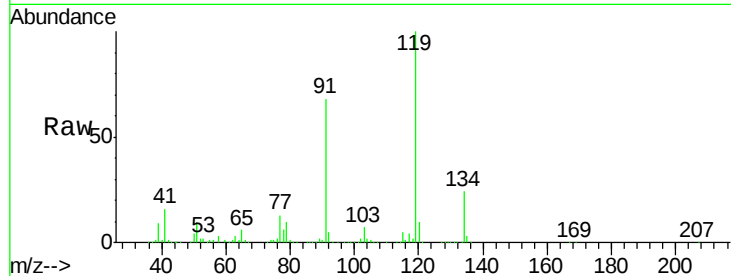
#83
 tert-Butylbenzene
 Concen: 44.498 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055047.D
 Acq: 15 Apr 2019 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	690776		
91	66.8		33.3	99.8
134	26.4		12.3	36.9

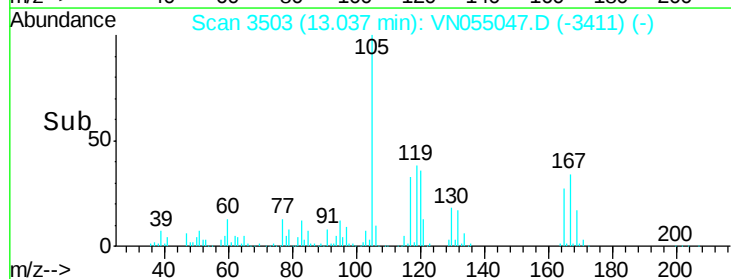
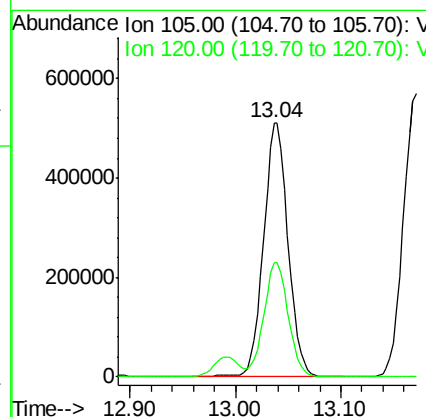
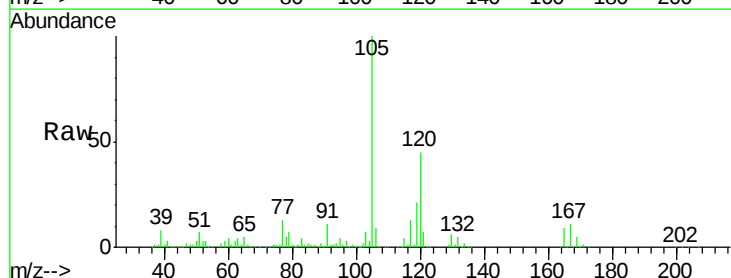
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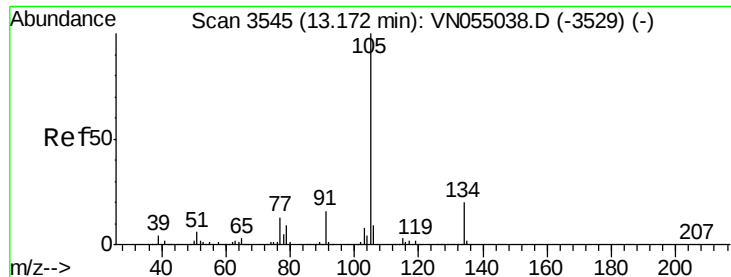
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.433 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN055047.D
 Acq: 15 Apr 2019 16:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	826286		
120	44.8		22.4	67.3





#85

sec-Butylbenzene

Concen: 45.879 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 907532

Ion Ratio Lower Upper

105 100

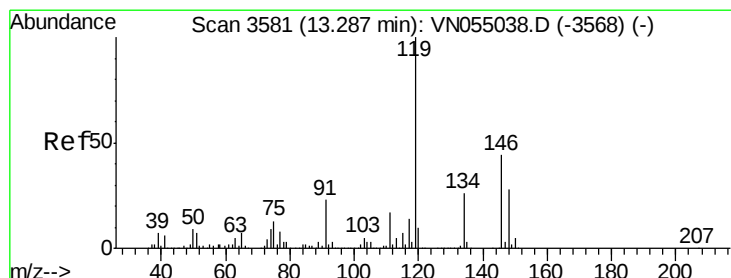
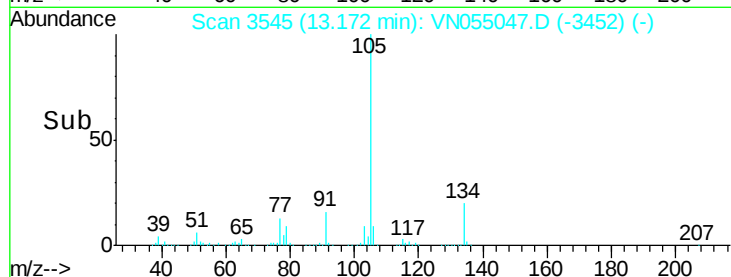
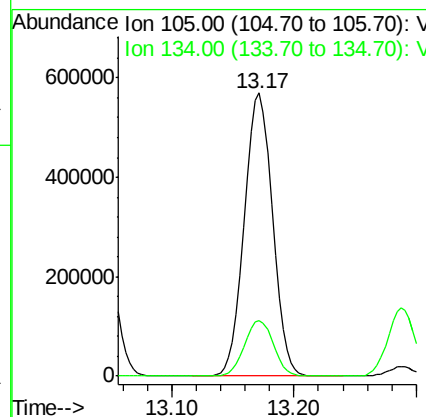
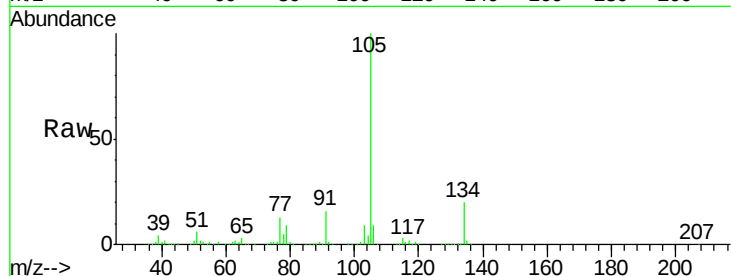
134 20.1 9.8 29.3

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#86

p-Isopropyltoluene

Concen: 47.473 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

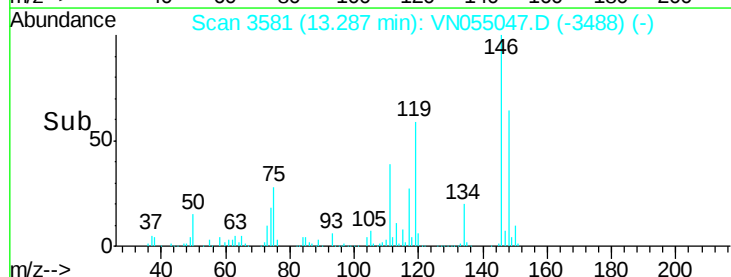
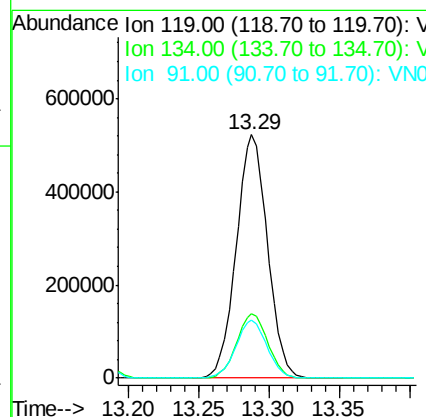
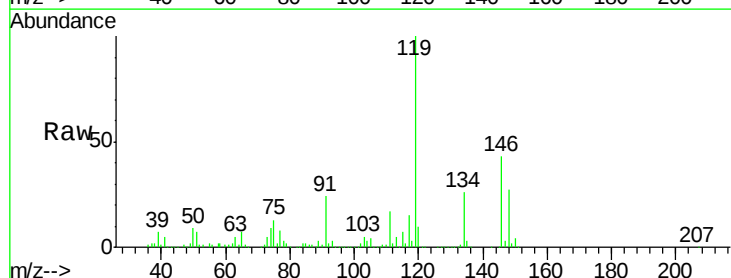
Tgt Ion:119 Resp: 805649

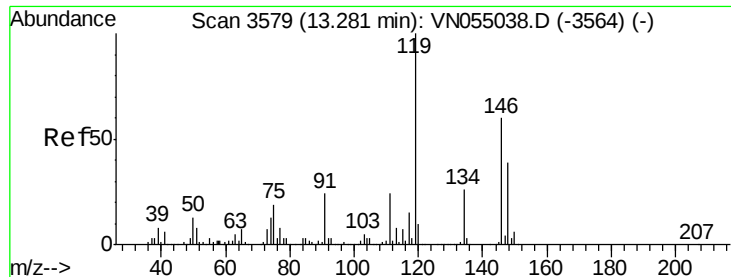
Ion Ratio Lower Upper

119 100

134 26.6 13.2 39.5

91 23.9 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 48.225 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

Instrument :

MSVOA_N

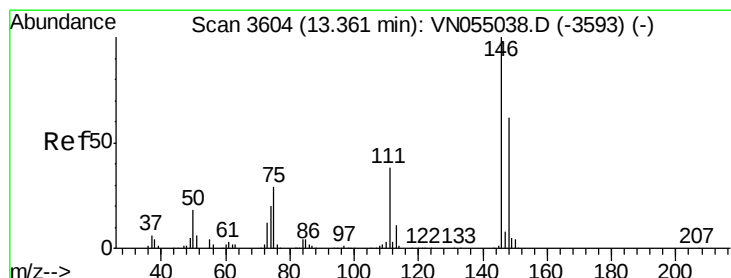
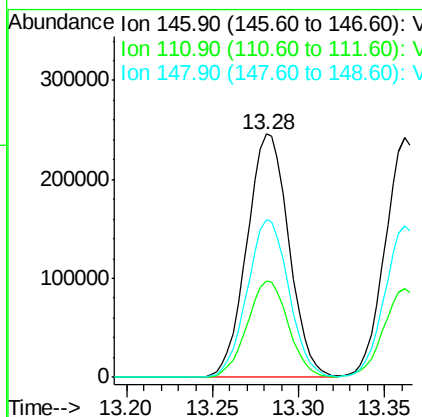
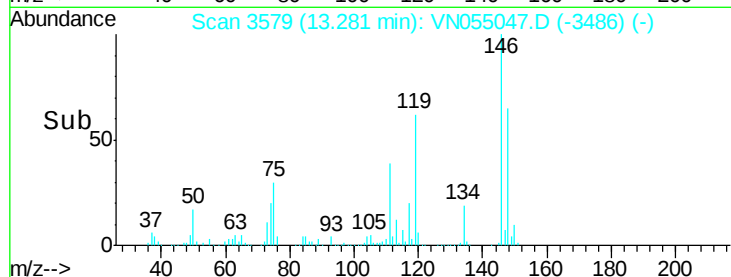
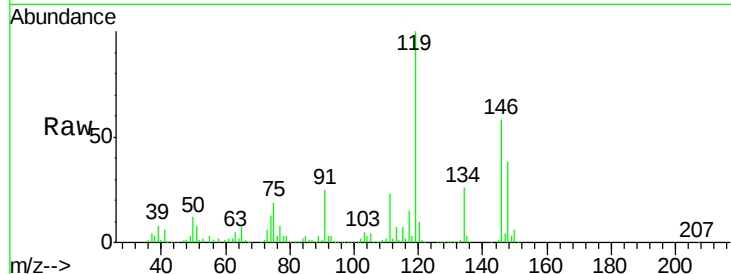
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	416248
Ion Ratio	Lower	Upper	
146	100		
111	38.7	19.5	58.5
148	64.2	31.6	94.7

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#88

1,4-Dichlorobenzene

Concen: 48.740 ug/l

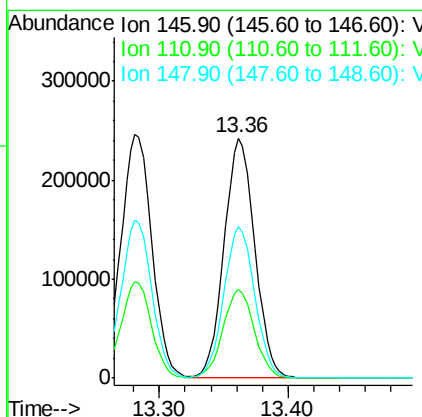
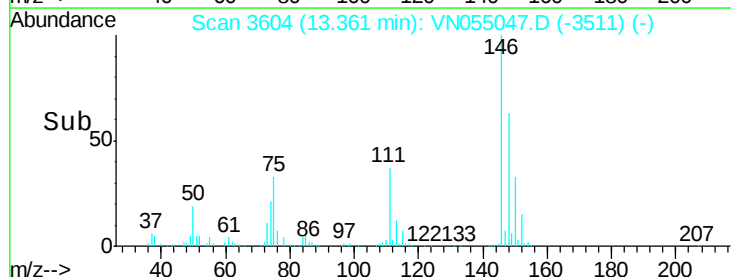
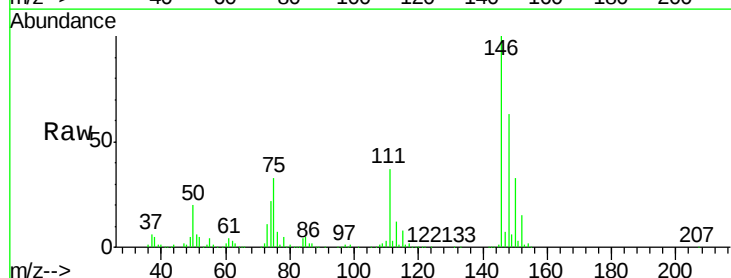
RT: 13.36 min Scan# 3604

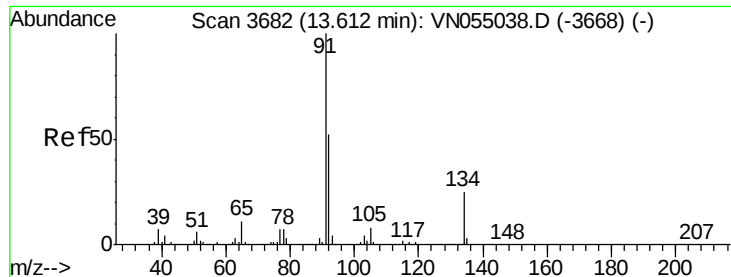
Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

Tgt Ion:	146	Resp:	401174
Ion Ratio	Lower	Upper	
146	100		
111	37.6	18.8	56.4
148	63.6	32.4	97.2





#89

n-Butylbenzene

Concen: 52.929 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

Instrument :

MSVOA_N

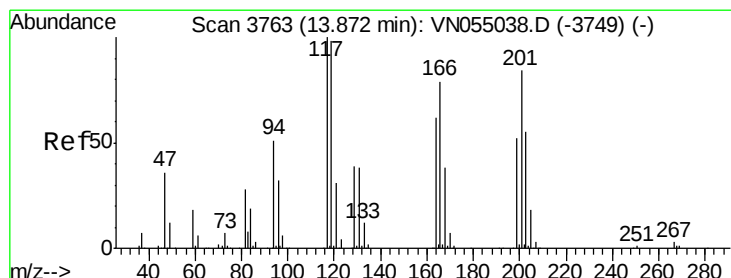
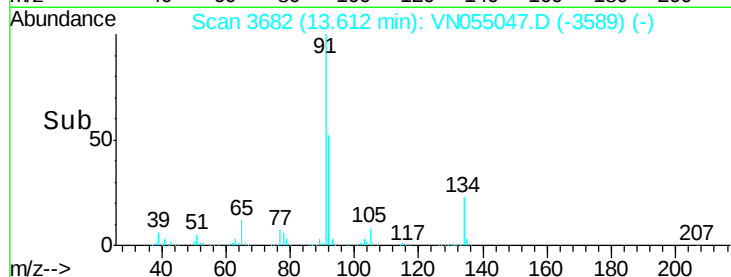
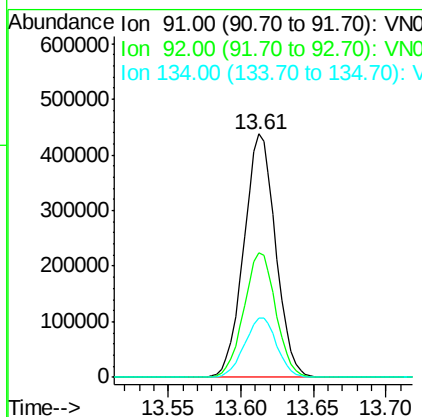
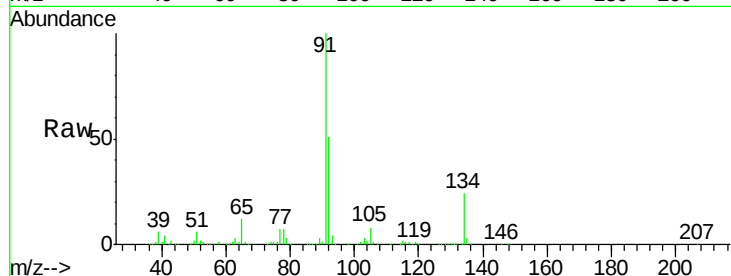
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	666814
Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.9	77.7
134	24.8	12.8	38.3

Manual Integrations
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#90

Hexachloroethane

Concen: 44.430 ug/l

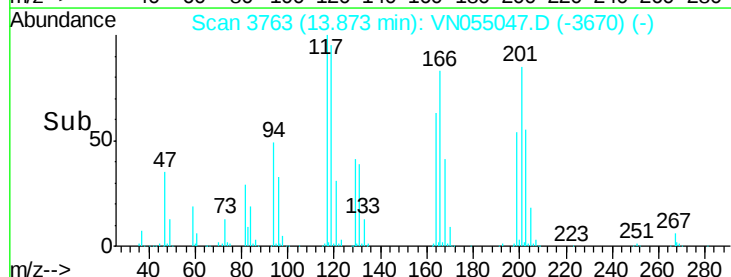
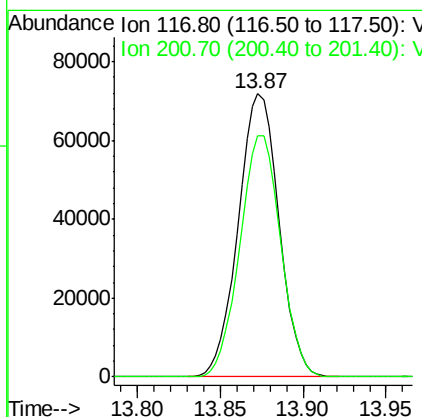
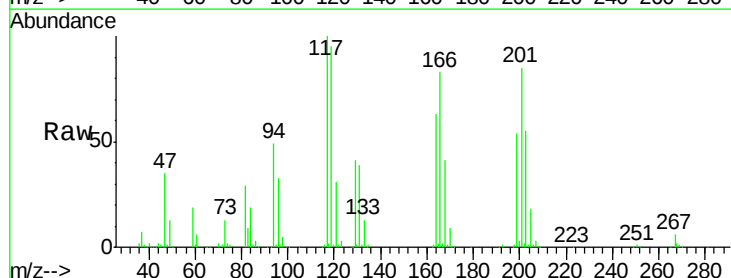
RT: 13.87 min Scan# 3763

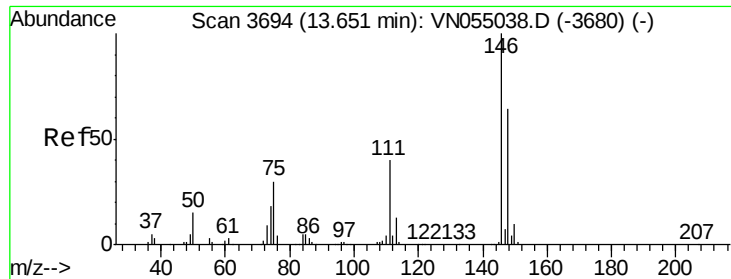
Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

Tgt Ion:	117	Resp:	122686
Ion	Ratio	Lower	Upper
117	100		
201	85.6	43.4	130.2





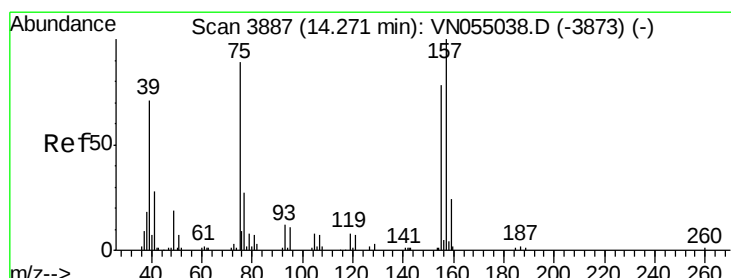
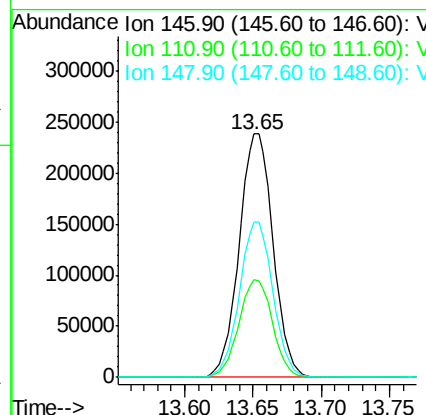
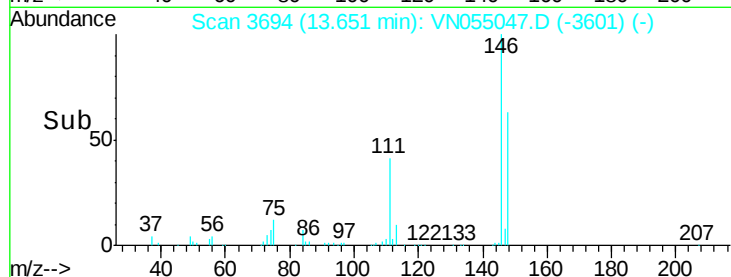
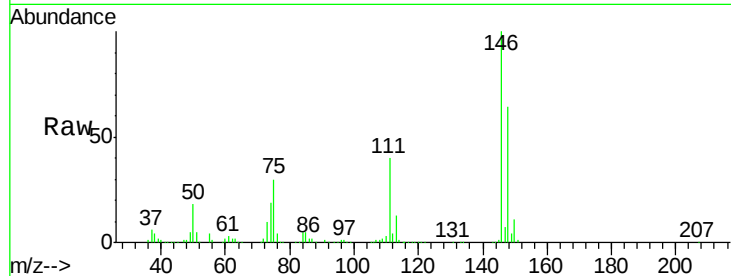
#91
 1,2-Dichlorobenzene
 Concen: 47.242 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055047.D
 Acq: 15 Apr 2019 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.3	60.9
148	63.1	32.2	96.6

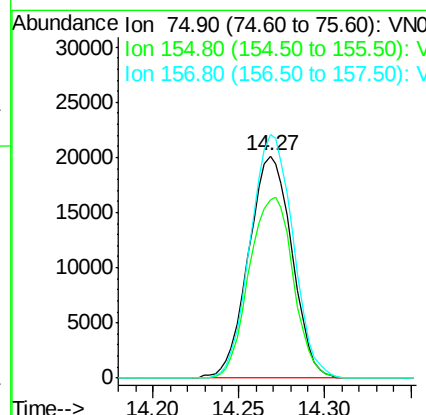
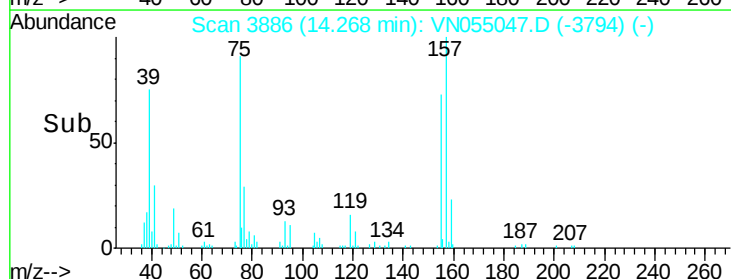
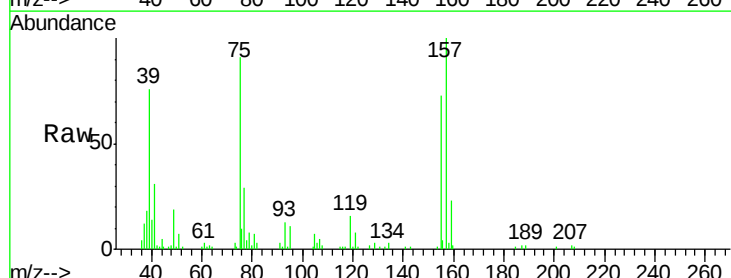
Manual Integrations
 APPROVED

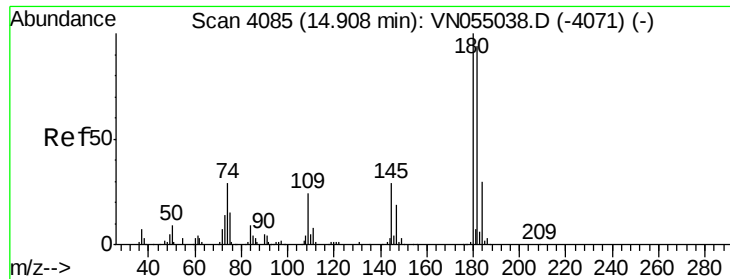
MMDadoda
 4/17/2019 10:06:47 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.885 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055047.D
 Acq: 15 Apr 2019 16:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.5	42.0	126.0
157	107.6	52.1	156.4





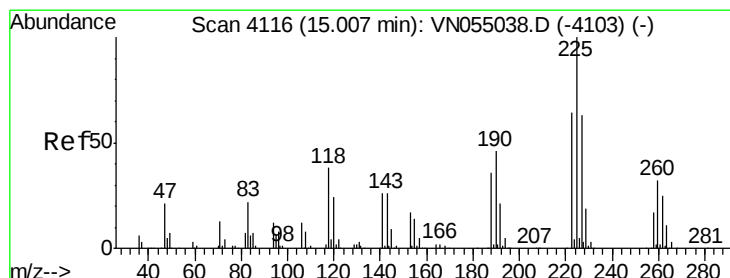
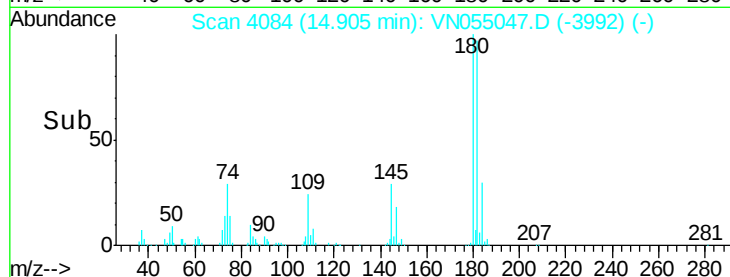
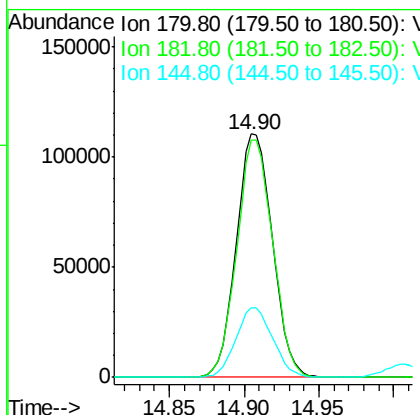
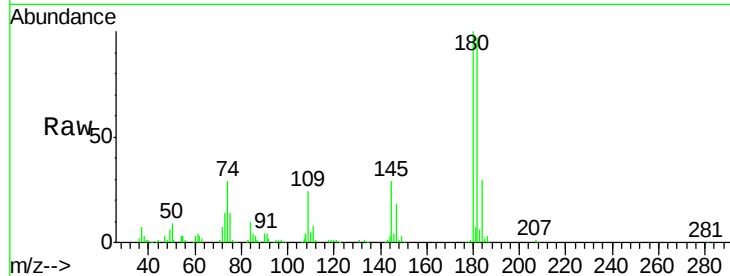
#93
 1,2,4-Trichlorobenzene
 Concen: 47.315 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN055047.D
 Acq: 15 Apr 2019 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	185667		
182	96.8	47.5	142.6	
145	29.1	14.2	42.8	

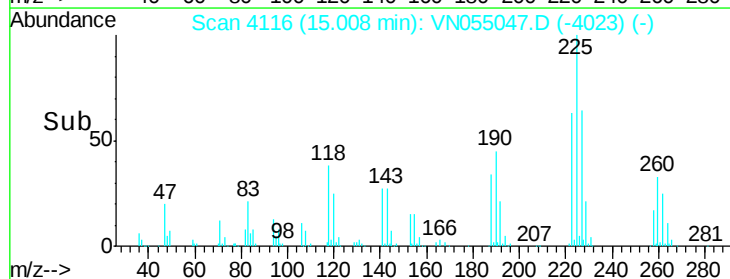
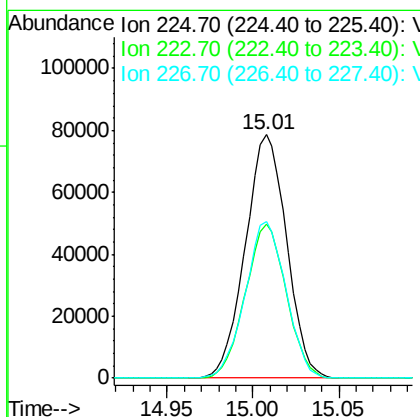
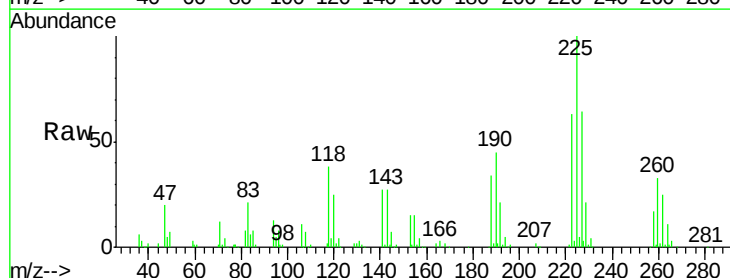
Manual Integrations
 APPROVED

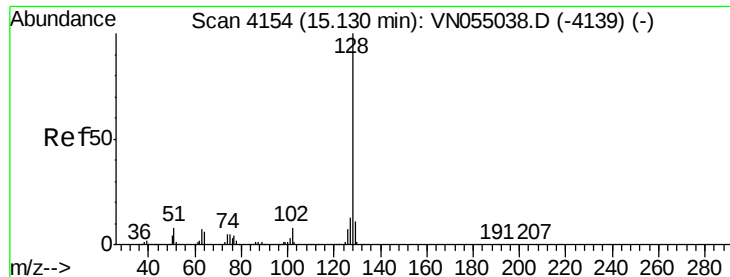
MMDadoda
 4/17/2019 10:06:47 AM



#94
 Hexachlorobutadiene
 Concen: 48.744 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055047.D
 Acq: 15 Apr 2019 16:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	130746		
223	62.5	31.4	94.0	
227	63.4	32.6	97.7	





#95

Naphthalene

Concen: 43.593 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

Instrument :

MSVOA_N

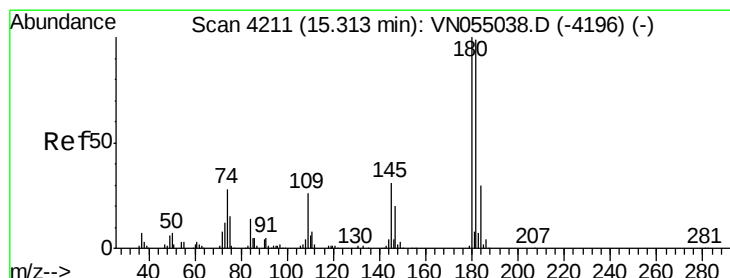
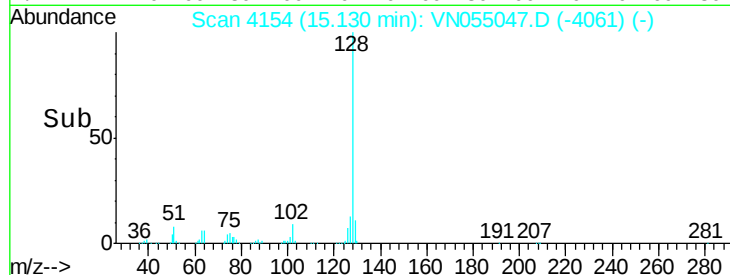
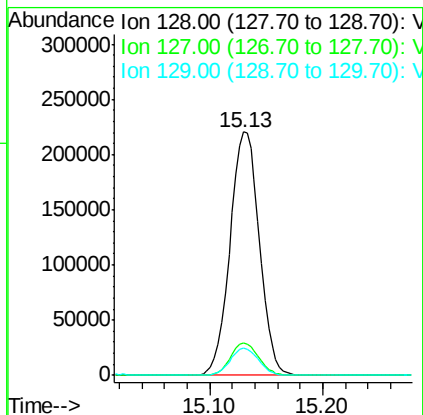
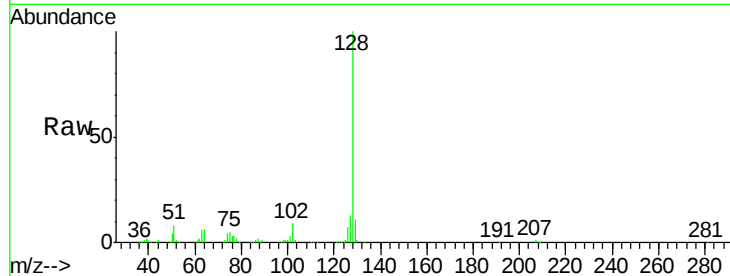
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		397597		
127	12.9		10.1	15.1	
129	10.8		8.8	13.2	

Manual Integrations
APPROVED

MMDadoda
4/17/2019 10:06:47 AM



#96

1,2,3-Trichlorobenzene

Concen: 55.320 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		185335		
182	94.9		48.0	144.0	
145	31.2		15.3	45.9	

